



# 2011

## Esri Press Catalog



## Publisher's Note

Dear Colleague:

Thank you for your interest in Esri Press books. In 2011, every major category offering by Esri Press is being expanded with new publications to benefit you in the office, at home, and in the classroom.

In the pages that follow, you will find a number of strong technical reference and training materials including the fourth edition of Roger Tomlinson's *Thinking About GIS: Geographic Information System Planning for Managers* and David W. Allen's *Getting to Know ArcGIS ModelBuilder*. Another great addition to cartographic library holdings is Waldo R. Tobler's translation of J. H. Lambert's *Notes and Comments on the Composition of Terrestrial and Celestial Maps*. In addition, books on a variety of special topics, such as *Arc Hydro Groundwater* and *GIS Tutorial for Crime Analysis*, will be available.

**Also in 2011, you will find that e-books are now available for many of your favorite Esri Press titles.**

We greatly appreciate your comments and feedback. Please keep us informed about how we can continue to develop the types of materials that you enjoy.

Sincerely,



Peter Adams

Esri Press Manager

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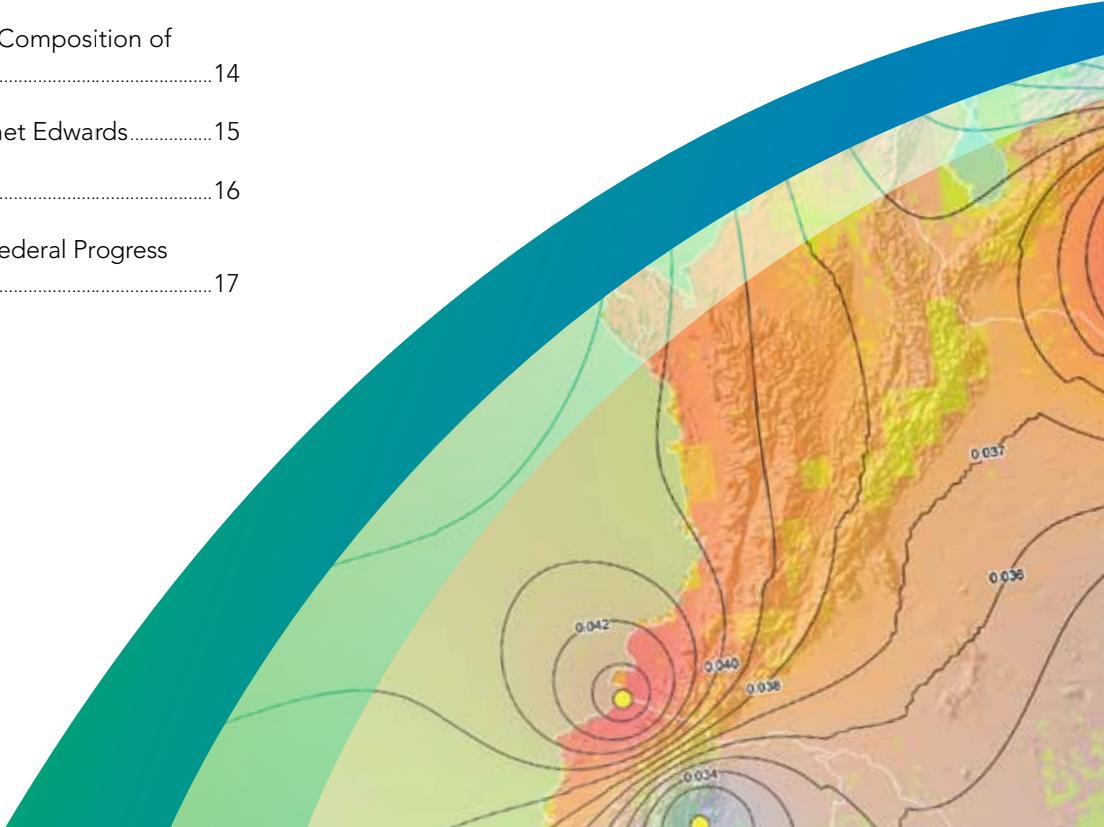
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## Web GIS

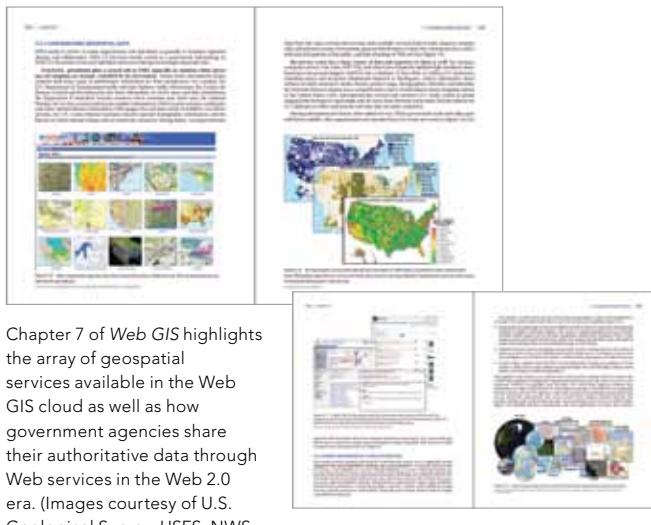
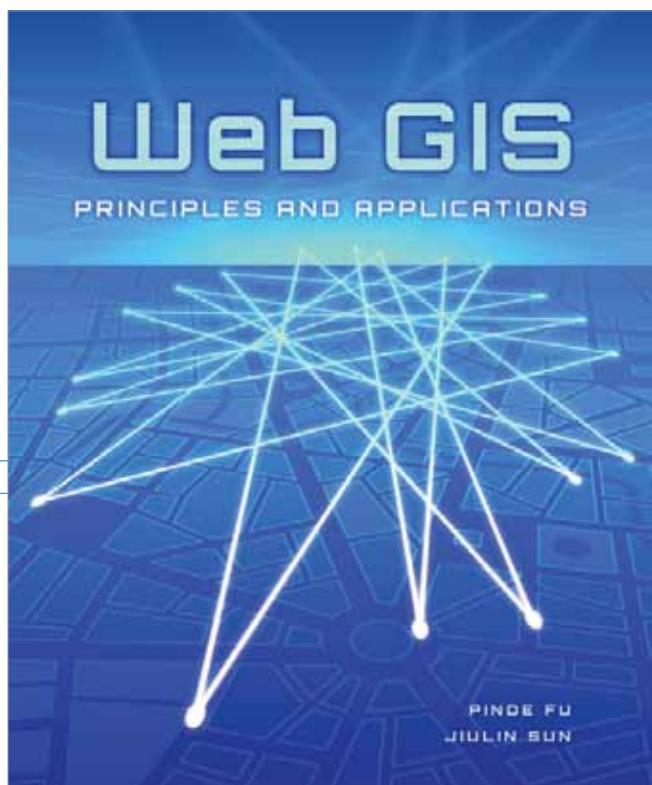
### Principles and Applications

Pinde Fu and Jiulin Sun

The Web has revealed the immense value and broad applicability of GIS, set the bar for today's user expectations, and introduced flexible architectures for use with modern IT infrastructure. From basic architecture to new frontiers, *Web GIS: Principles and Applications* presents an overview of the origin and developments of this emerging platform. New Web technologies addressed include ArcGIS® Server, REST services, JavaScript™/Adobe® Flex® API, and ArcGIS Mobile. This book offers a balance of principles, concepts, and techniques to provide you with an understanding of how Web GIS can revolutionize the way your GIS functions.

#### Now Available

ISBN: 9781589482456 Part Number: 115391  
\$55.95 312 pages 7.5 x 9 inches Paperback  
Media: None



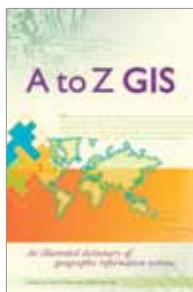
Chapter 7 of *Web GIS* highlights the array of geospatial services available in the Web GIS cloud as well as how government agencies share their authoritative data through Web services in the Web 2.0 era. (Images courtesy of U.S. Geological Survey, USFS, NWS, EPA, NOAA, BLM, and U.S. Census Bureau.)

#### About the Authors

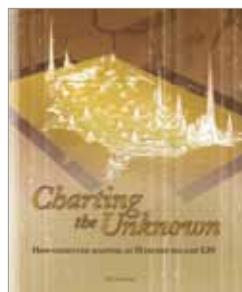
Pinde Fu is a senior GIS application developer and project lead at Esri. He earned his PhD in GIS from the University of Kansas, Lawrence. Fu is a member of the Association of Chinese Professionals in Geographic Information Systems. In 2008, he was named honorary director of the ArcGIS Education and Application Research Center at Henan University in China.

Jiulin Sun is an academician of the Chinese Academy of Engineering. He has authored and coauthored four books on GIS. In addition, Sun is chairman of the Scientific Advisory Committee of the State Key Lab of Resources and Environmental Information Systems in China, as well as the Scientific Database and Information Engineering Science Committee of the Chinese Academy of Sciences.

#### Also Available



**A to Z GIS: An Illustrated Dictionary of Geographic Information Systems**  
Tasha Wade and Shelly Sommer, editors  
ISBN: 9781589481404  
(see page 18)



**Charting the Unknown: How Computer Mapping at Harvard Became GIS**  
Nick Chrisman  
ISBN: 9781589481183  
(see page 18)

## Modeling Our World

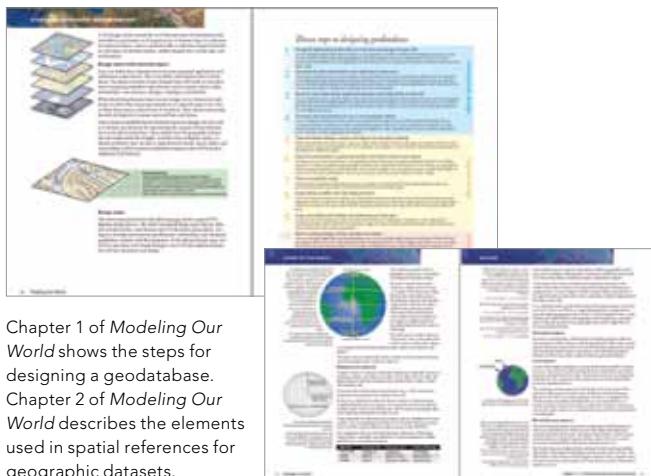
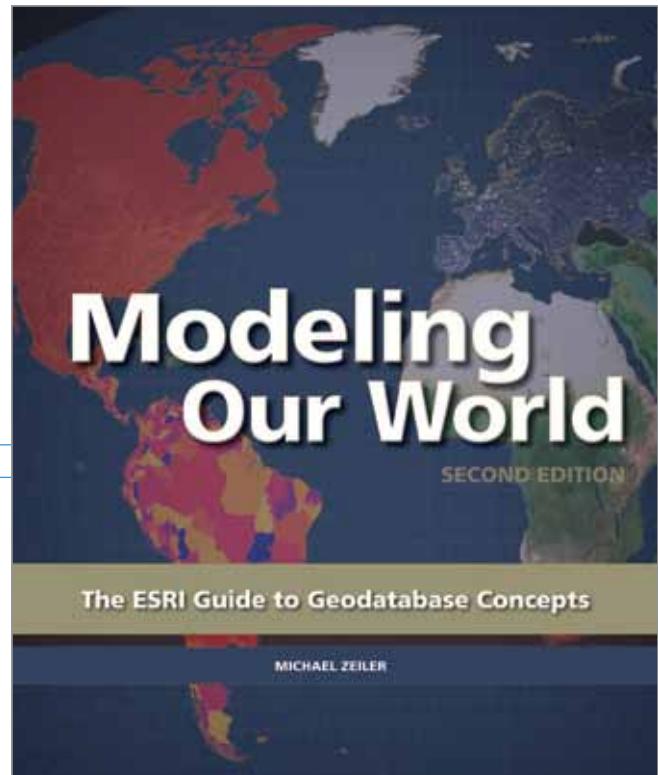
The Esri Guide to Geodatabase Concepts, Second Edition

Michael Zeiler

*Modeling Our World* focuses on understanding the geodatabase, a collection of geographic datasets that works in concert with ArcGIS software to provide a rich framework for modeling attributes, spatial and temporal relationships, and transactions. This book promotes best practices for data modeling and analysis by addressing critical topics such as spatial integrity, attribute integrity, workflow, and scaling. *Modeling Our World* is your complete survey of the geodatabase information model.

Now Available

ISBN: 9781589482784 Part Number: 120718  
\$44.95 308 pages 7.5 x 9 inches Paperback  
Media: None

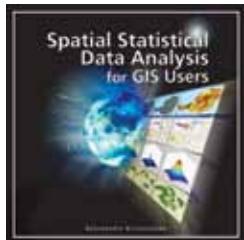


Chapter 1 of *Modeling Our World* shows the steps for designing a geodatabase. Chapter 2 of *Modeling Our World* describes the elements used in spatial references for geographic datasets.

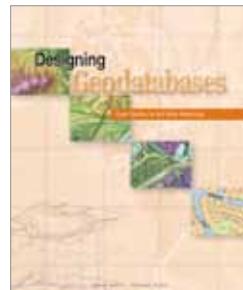
## About the Author

Michael Zeiler is a designer for Esri and author of the first edition of *Modeling Our World* and *Inside ARC/INFO*. He lives in Santa Fe, New Mexico.

Also Available



Spatial Statistical Data Analysis for GIS Users  
Konstantin Krivoruchko  
ISBN: 9781589481619  
(see page 21)



Designing Geodatabases: Case Studies in GIS Data Modeling  
David Arctur and Michael Zeiler  
ISBN: 9781589480216  
(see page 19)

## GIS Tutorial for Crime Analysis

Wilpen L. Gorr and Kristen S. Kurland

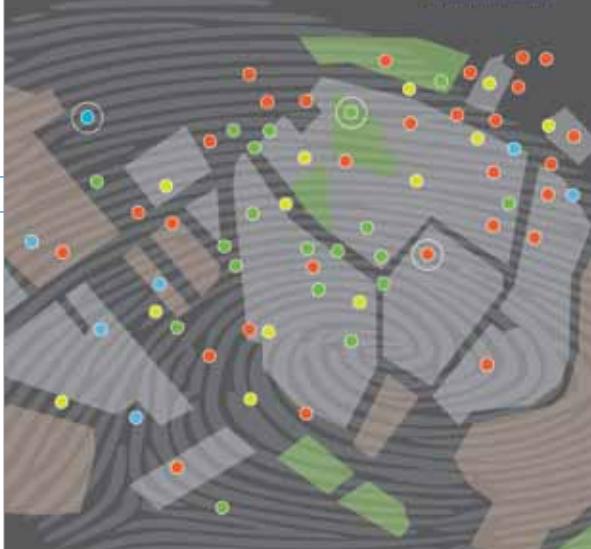
*GIS Tutorial for Crime Analysis* provides an in-depth introduction to the subject of crime mapping using data adapted from a municipal police department. This workbook combines step-by-step tutorials with independent exercises to introduce key GIS skills, including data preparation, template building, and map production automation, so readers develop a crime mapping system similar to what is used daily in police departments across the nation. The easy-to-follow exercises and 180-day trial of ArcGIS Desktop 10 software make *GIS Tutorial for Crime Analysis* the smart choice for crime analysts and students of criminology.

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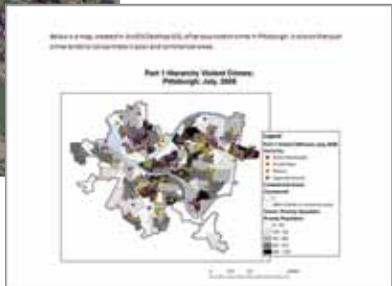
ISBN: 9781589482142 Part Number: 112212  
\$79.95 448 pages 8.375 x 10.875 inches Paperback  
Media: Exercise data DVD and ArcGIS Desktop 10  
180-day trial DVD

## GIS Tutorial for Crime Analysis

Wilpen L. Gorr  
and Kristen S. Kurland



This map includes a high-resolution satellite image of the "Golden Triangle" of Pittsburgh, where the three rivers converge, and data layers indicating streets (light gray), robberies (yellow), and aggravated assaults (pink).



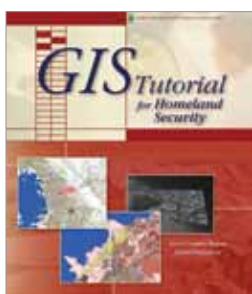
In this ArcMap™ layout view of 2008 Pittsburgh crime data, a static map is made complete with title, legend, and scale and so is useful as a stand-alone map, Microsoft® PowerPoint® slide, Microsoft Word document, or simply a paper copy.

## About the Authors

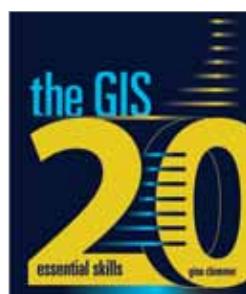
Wilpen L. Gorr is a professor of public policy and management information systems at the School of Public Policy and Management, H. John Heinz III College, Carnegie Mellon University, where he teaches and researches GIS applications. He is also chairman of the school's Master of Science in Public Policy and Management degree program.

Kristen S. Kurland is a teaching professor of architecture, information systems, and public policy at Carnegie Mellon University's H. John Heinz III College and School of Architecture, where she teaches GIS, building information modeling, computer-aided drafting, 3D visualization, and infrastructure management. Her research includes spatial analysis of health issues.

## Also Available



GIS Tutorial for Homeland Security  
Susan Lindell Radke and Eddie Hanebuth  
ISBN: 9781589481886  
(see page 24)



The GIS 20: Essential Skills  
Gina Clemmer  
ISBN: 9781589482562  
(see page 23)

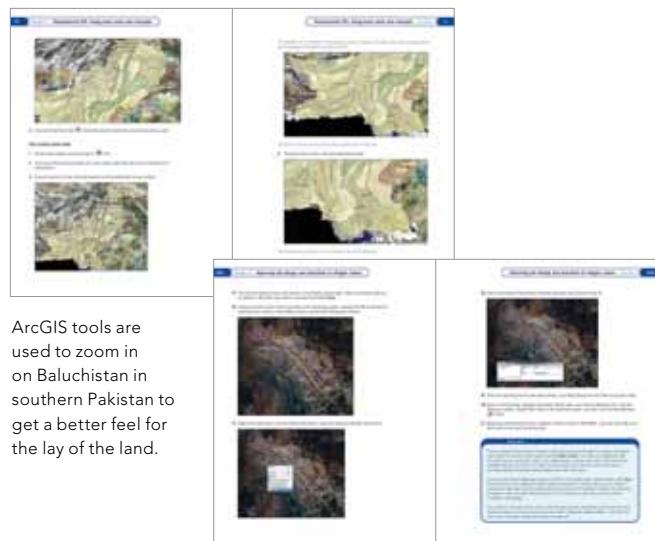
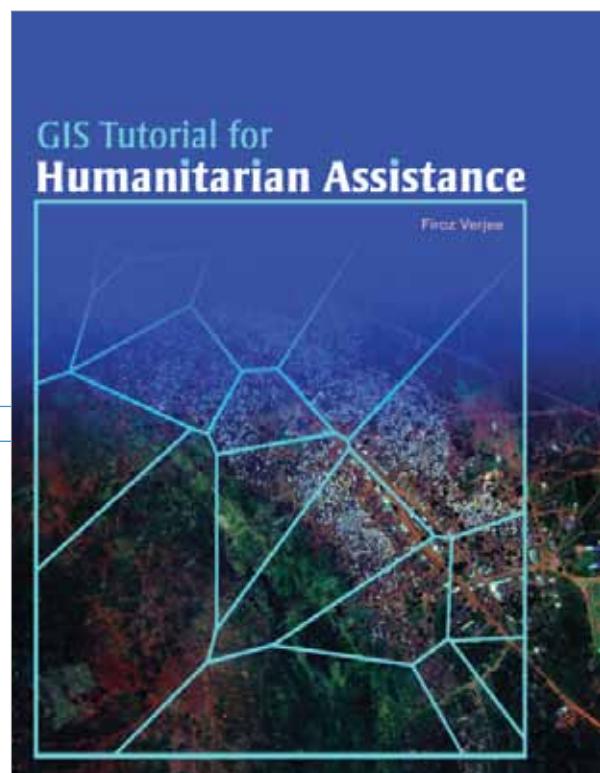
## GIS Tutorial for Humanitarian Assistance

Firoz Verjee

Developed for members of the humanitarian relief community, *GIS Tutorial for Humanitarian Assistance* moves you from the role of casual observer to involved investigator as you learn to apply analysis skills in GIS to real-world problems around the globe. Following the standard tutorial format, exercises in this book demonstrate the GIS knowledge you need to effectively manage the provision of humanitarian assistance before, during, and after a disaster. A fully functioning 180-day trial version of ArcGIS Desktop 9.3.1 software (ArcEditor™ license) on DVD and a DVD of data for working through the exercises are included.

### Now Available

ISBN: 9781589482135 Part Number: 111769  
 \$79.95 380 pages 8.375 x 10.875 inches Paperback  
 Media: Exercise data DVD and ArcGIS Desktop 9.3.1  
 180-day trial DVD



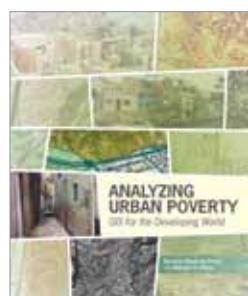
ArcGIS tools are used to zoom in on Baluchistan in southern Pakistan to get a better feel for the lay of the land.

The "Improving the design and operation of refugee camps" chapter illustrates how new data and metadata can be created from satellite imagery, often the best source of geodata during a humanitarian emergency.

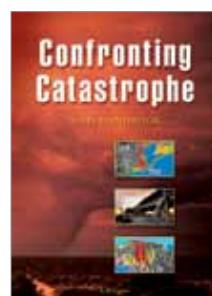
### About the Author

Firoz Verjee is senior research associate at the Institute for Crisis, Disaster, and Risk Management at George Washington University and a coordinator of the Aga Khan Development Network's Seismic Risk Management Initiative, based in Dushanbe, Tajikistan. For more than two decades, he has specialized in the application of remote sensing and GIS, primarily within the fields of disaster risk reduction and humanitarian assistance. Verjee has provided expert services to the U.S. National Oceanic and Atmospheric Administration, the World Bank Group, the United Nations Office for the Coordination of Humanitarian Affairs, and FOCUS Humanitarian Assistance.

### Also Available



Analyzing Urban Poverty: GIS for the Developing World  
 Rosario Giusti de Pérez and Ramón A. Pérez  
 ISBN: 9781589481510  
 (see page 29)



Confronting Catastrophe: A GIS Handbook  
 R. W. Greene  
 ISBN: 9781589480407  
 (see page 29)

## Understanding GIS

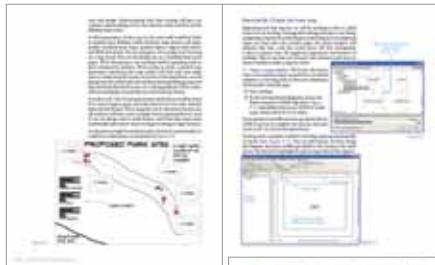
An ArcGIS Project Workbook

Christian Harder, Tim Ormsby, and Thomas Balstroem

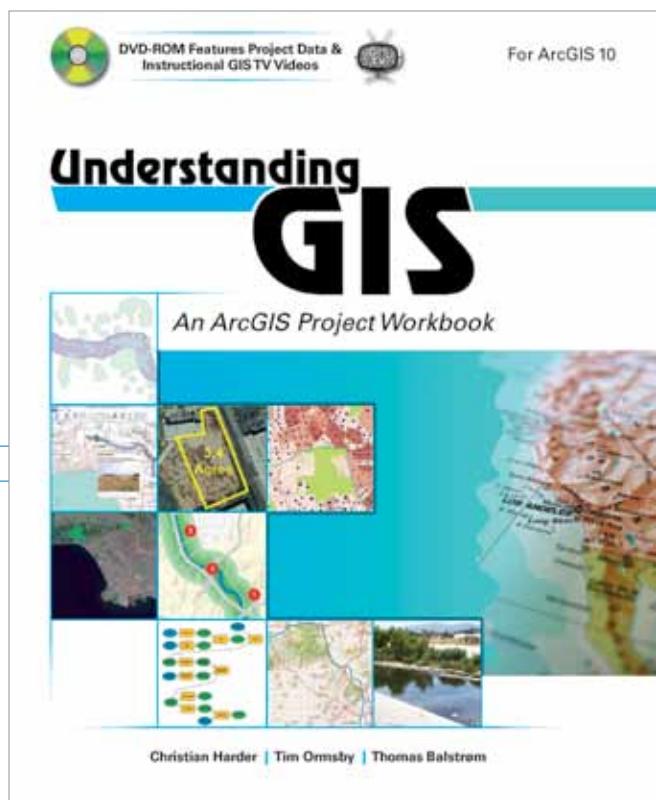
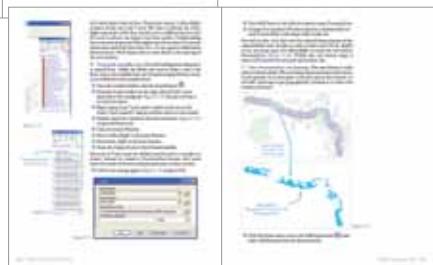
*Understanding GIS* is a project-based workbook that demonstrates the basics of ArcGIS Desktop 10 software. The book challenges readers to assume the role of a GIS analyst challenged with finding the best location to build a new park along the Los Angeles River. Through the process of performing a full-scale GIS analysis using actual data and project parameters, readers develop task management, critical thinking, and problem-solving skills. *Understanding GIS* is a workbook for anyone who wants to learn the facets of GIS within the context of a major project.

Fall 2011

ISBN: 9781589482425 Part Number: 114821  
\$79.95 428 pages 7.875 x 9.625 inches Paperback  
Media: Exercise data DVD and ArcGIS Desktop 10  
180-day trial DVD



*Understanding GIS* includes chapters focused on developing cartography and analysis skills.



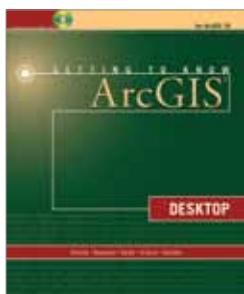
## About the Authors

Christian Harder is a writer at Esri and author of several GIS books. He was a pioneer in using GIS for news reporting during his tenure as research manager at the *Press-Enterprise* newspaper in Riverside, California.

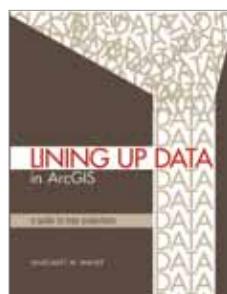
Tim Ormsby is a technical writer at Esri. For more than 16 years, he has created and contributed to ArcGIS training courses for both the classroom and online learning. Ormsby coauthored Esri Press's best-selling workbook *Getting to Know ArcGIS Desktop* (Esri Press, 2010).

Thomas Balstroem is the coauthor of the Danish-language *Book of GIS and Geodata*. He has worked for two decades as an associate professor in GIS and physical geography at University of Copenhagen, Denmark, and is now a freelance GIS consultant.

## Also Available



Getting to Know ArcGIS Desktop, Second Edition, Updated for ArcGIS 10  
Tim Ormsby, Eileen J. Napoleon, Robert Burke, Carolyn Groessl, and Laura Bowden  
ISBN: 9781589482609  
(see page 22)



Lining Up Data in ArcGIS: A Guide to Map Projections  
Margaret M. Maher  
ISBN: 9781589482494  
(see page 20)

## Thinking About GIS

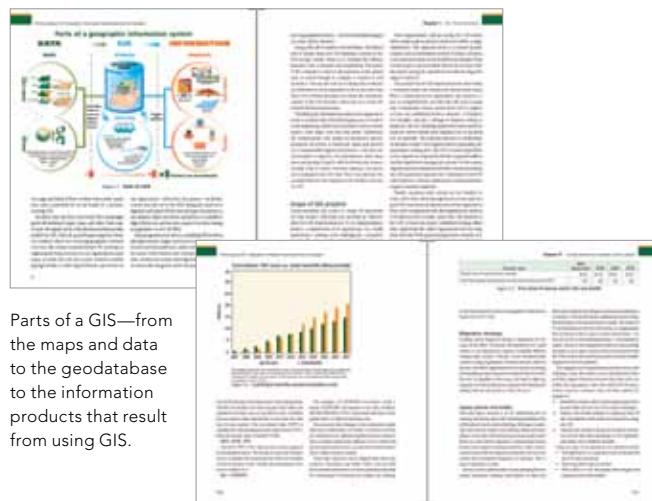
Geographic Information System Planning for Managers, Fourth Edition

Roger Tomlinson

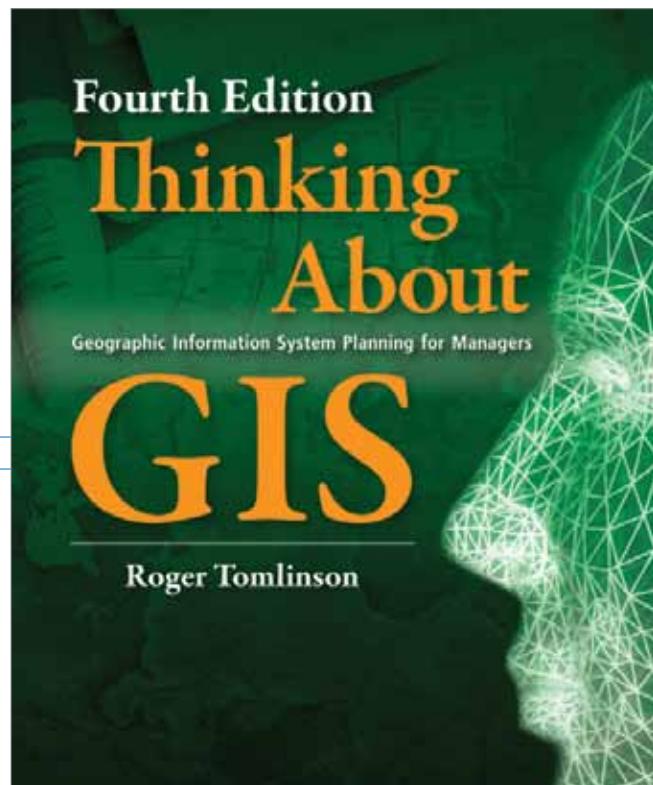
*Thinking About GIS* details a planning model developed for designing data and technology systems that will meet any organization's specific needs. Developed from decades of consulting experience and his worldwide GIS seminars, Tomlinson's book helps bridge the communication gap between those with and those without technological expertise. The fourth edition of *Thinking About GIS* includes access to *Planning for a GIS*, Tomlinson's nine-module course that teaches the proper process for planning and proposing a GIS.

March 2011

ISBN: 9781589482739 Part Number: 119833  
\$54.95 256 pages 7.5 x 9 inches Paperback  
Media: Additional resources on DVD



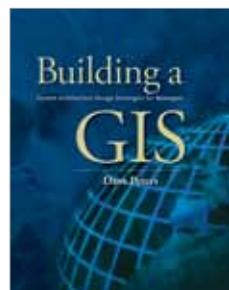
With chapter 10, "Consider benefit-cost, migration, and risk analysis," a GIS manager can calculate the cumulative costs and benefits of implementing a new GIS system.



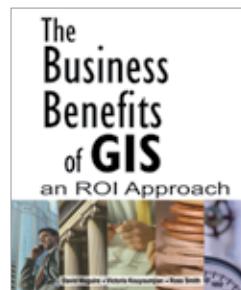
### About the Author

Roger Tomlinson is the principal of Tomlinson Associates, a firm of consulting geographers he established in 1977. He has advised an impressive list of clients, including the World Bank and the U.S. and Canadian Forest Services. He holds two bachelor's degrees; a master's degree from McGill University in Montreal, Canada; and a PhD from University College, London, England. Often referred to as the "father of GIS," Tomlinson has conducted successful GIS planning seminars worldwide.

### Also Available



Building a GIS: System Architecture Design Strategies for Managers  
Dave Peters  
ISBN: 9781589481596  
(see page 18)



The Business Benefits of GIS: An ROI Approach  
David Maguire, Victoria Kouyoumjian, and Ross Smith  
ISBN: 9781589482005  
(see page 18)

## Arc Hydro Groundwater

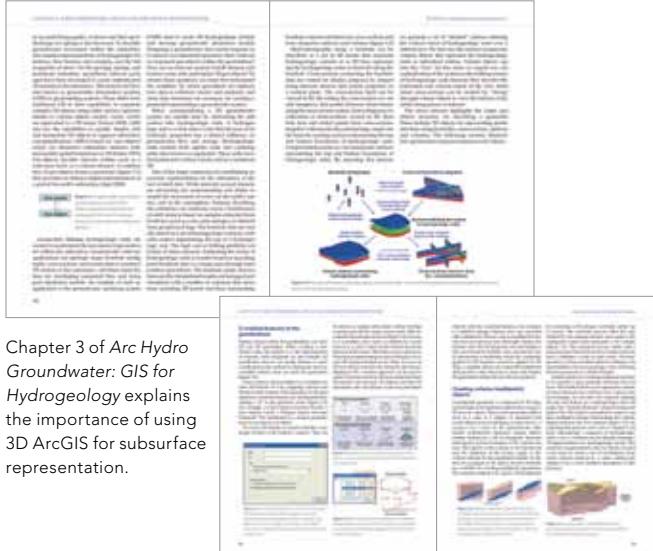
GIS for Hydrogeology

Gil Strassberg, Norman L. Jones, and David R. Maidment

*Arc Hydro Groundwater: GIS for Hydrogeology* describes the groundwater data model, a new geodatabase design for representing groundwater systems using ArcGIS software. The groundwater data model shares a common framework with the surface water components of the Arc Hydro Data Model, offering a comprehensive overview of water resources. Examples illustrating concepts and uses of the data model for management, visualization, and analysis make this book an invaluable resource for hydrologists, water professionals, GIS specialists, and students who work with groundwater data to research and solve water resource problems.

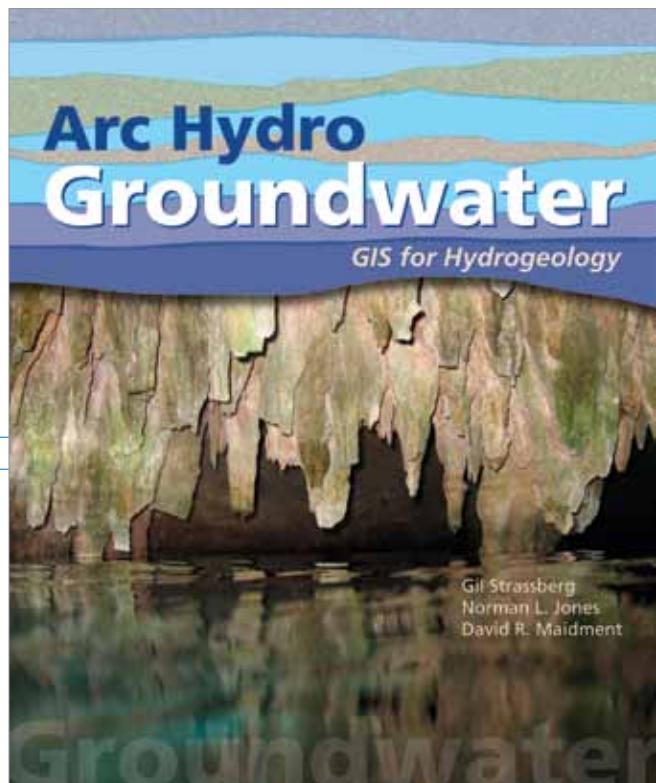
February 2011

ISBN: 9781589481985 Part Number: 108893  
\$64.95 225 pages 7.5 x 9 inches Paperback  
Media: None



Chapter 3 of *Arc Hydro Groundwater: GIS for Hydrogeology* explains the importance of using 3D ArcGIS for subsurface representation.

The importance of feature classes and volume objects in the data model, as well as the value of three-dimensional ArcGIS in subsurface representation, is discussed.



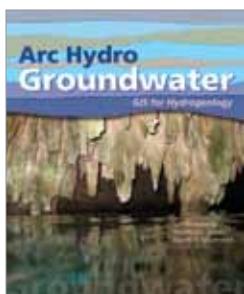
## About the Authors

Gil Strassberg is the main architect of the Arc Hydro Groundwater Data Model. He is a senior product engineer at Aquaveo LLC and part of the Arc Hydro Groundwater tools development team.

Norman L. Jones is a professor in the Department of Civil and Environmental Engineering and director of the Environmental Modeling Research Laboratory at Brigham Young University.

David R. Maidment holds the Hussein M. Alhary Centennial Chair in Civil Engineering and is director of the Center for Research in Water Resources at the University of Texas, Austin.

## Also Available

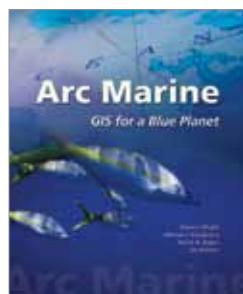


**Arc Hydro: GIS for Water Resources**

David R. Maidment, editor

ISBN: 9781589480346

(see page 29)



**Arc Marine: GIS for a Blue Planet**

Dawn J. Wright, Michael J. Blongewicz,  
Patrick N. Halpin, and Joe Breman

ISBN: 9781589480179

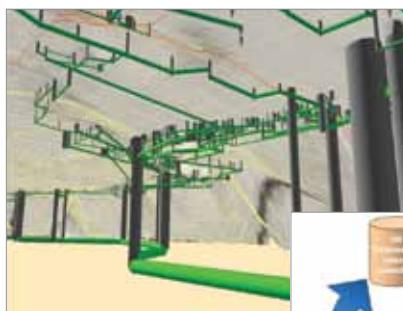
(see page 29)

## Hydraulic Modeling and GIS

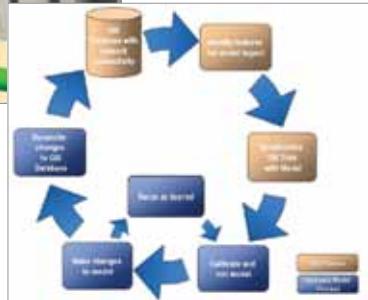
Lori Armstrong, editor

*Hydraulic Modeling and GIS* is a best practices guide for developing a sustainable hydraulic model and maintenance strategy that makes optimal use of your GIS. This book addresses GIS-centered concepts and applications that will help you understand and improve hydraulic model structures, advanced spatial analysis, network connectivity and topology, hydraulic model development and maintenance strategies, and GIS database design. *Hydraulic Modeling and GIS* is a practical handbook for GIS managers, engineers, and decision makers in the water and wastewater utility industry.

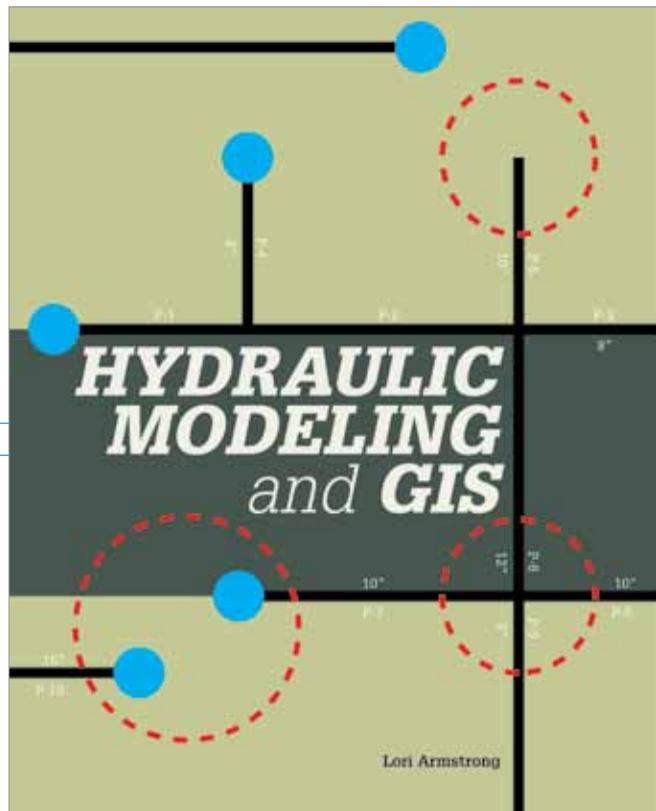
Fall 2011  
ISBN: 9781589483019 Part Number: 123972  
\$11.95 112 pages 7.5 x 9 inches Paperback  
Media: None



This collection system model, visualized in ArcScene™ and exported to a 3D representation, illustrates accurate invert elevations and manhole depth along with buried infrastructure at various perspectives.



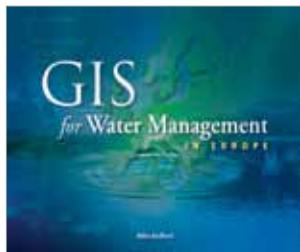
This illustration shows the merger of the hydraulic model process with the GIS process to produce a sustainable GIS-hydraulic model life cycle as an integrated whole.



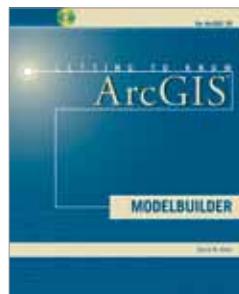
### About the Editor

Lori Armstrong has more than 19 years of experience in the water industry and is currently the water resources industry manager at Esri in Redlands, California. Her customers include water, wastewater, and storm water utilities; local governments; federal agencies; consulting and engineering firms; academic institutions; and research organizations. Over the course of her career, Armstrong has been actively involved in professional organizations, including the American Water Works Association, the American Water Resource Association, and the American Meteorological Society.

### Also Available



GIS for Water Management  
in Europe  
Mike Bedford  
ISBN: 9781589480766  
(see page 31)



Getting to Know ArcGIS ModelBuilder  
David W. Allen  
ISBN: 9781589482555  
(see page 23)

## Making Spatial Decisions Using GIS

A Workbook, Second Edition

Robert Kolvoord and Kathryn Keranen

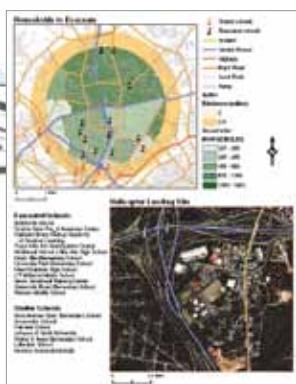
*Making Spatial Decisions Using GIS: A Workbook* is designed to teach spatial analysis and decision support through real-world scenarios covering a range of disciplines, from environmental science to sociology to criminal justice. Each workbook module contains two separate activities that focus on different aspects of analysis, and an On Your Own lesson that allows users to gather and use their own data. Intended for students who have had previous experience with GIS, *Making Spatial Decisions Using GIS* encourages readers to perform sophisticated analysis by examining location criteria, population patterns, chemical spills, storm-ravaged coastlines, and big-city crime.

Fall 2011

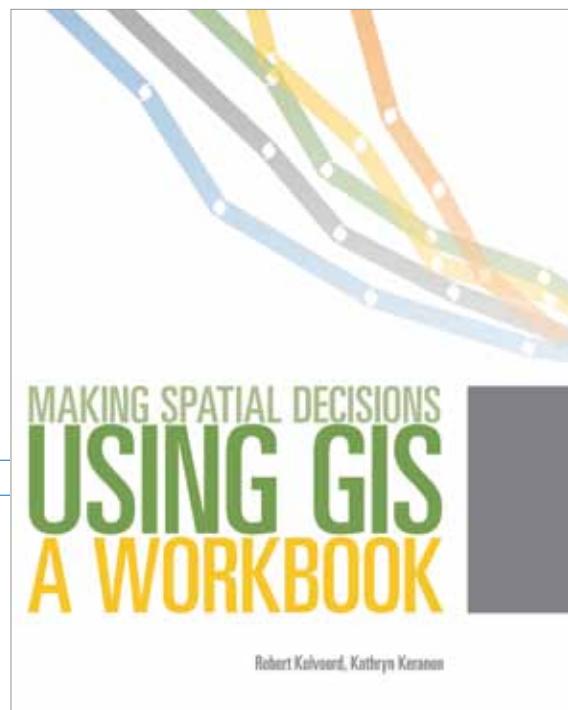
ISBN: 9781589482807 Part Number: 121381  
\$69.95 240 pages 8 x 10 inches Paperback  
Media: Exercise data DVD and ArcGIS Desktop 10  
180-day trial DVD



A double variable 3D map of Washington, D.C., showing diversity index in relation to median house value.



A map of buffered areas around a hazardous material spill in Mecklenburg County, North Carolina. The maps show shelter locations, residences to be evacuated, and a helicopter landing site.

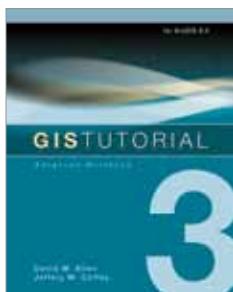


## About the Authors

Robert Kolvoord is a professor of integrated science and technology at James Madison University (JMU). His main research interests are in the use of geospatial technologies in K-12 classrooms. He has administered a variety of professional and curriculum development grants and workshops to help teachers bring these technologies to their classrooms. Prior to joining JMU, Kolvoord worked at the University of Arizona, where he was a founder of the nonprofit Center for Image Processing in Education.

Kathryn Keranen is a retired teacher. She was instrumental in introducing GPS, GIS, and remote sensing into the geosystems curriculum in Fairfax County, Virginia. After retiring, she became a private consultant and an authorized K-12 Esri instructor. She has been a consultant for various universities and is an adjunct instructor at James Madison University and Towson University.

## Also Available

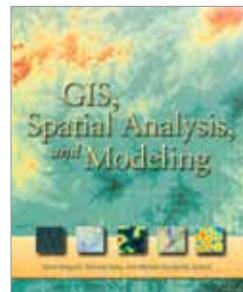


GIS Tutorial 3: Advanced Workbook

David W. Allen and Jeffery M. Coffey

ISBN: 9781589482074

(see page 24)



GIS, Spatial Analysis, and Modeling

David Maguire, Michael Batty, and Michael Goodchild, editors

ISBN: 9781589481305

(see page 20)

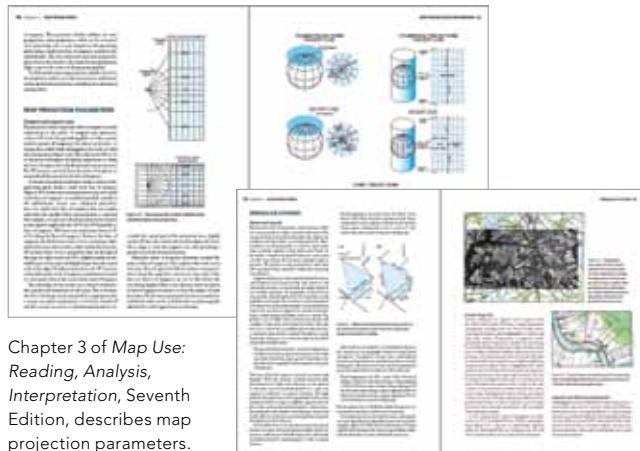
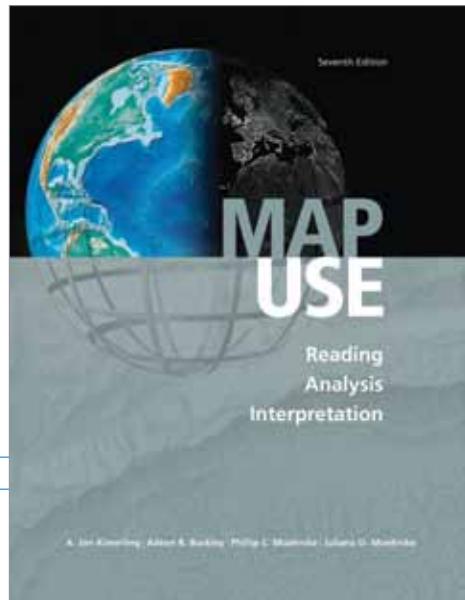
## Map Use

Reading, Analysis, Interpretation, Seventh Edition

A. Jon Kimerling, Aileen R. Buckley, Phillip C. Muehrcke, and  
Juliana O. Muehrcke

The seventh edition of *Map Use* features an updated interpretation section, making it a well-rounded introductory text for a cartography or map design course. This full-color textbook features integrated discussions of standard planimetric maps, perspective diagrams, environmental photographs, satellite images, and content related to GIS as it pertains to spatial analysis. *Map Use* provides the context and skills needed to properly read, analyze, and interpret this complex form of communication. Additional resources, including exercises corresponding to each chapter, are also available.

Fall 2011  
ISBN: 9781589482791 Part Number: 121250  
\$99.95 620 pages 8.375 x 10.875 inches Paperback  
Media: None



Chapter 3 of *Map Use: Reading, Analysis, Interpretation*, Seventh Edition, describes map projection parameters. (Figures courtesy of A. Jon Kimerling.)

Irregular systems are depicted in the "Land Partitioning" chapter of *Map Use: Reading, Analysis, Interpretation*, Seventh Edition. (Figures courtesy of A. Jon Kimerling and the U.S. Geological Survey.)

## About the Authors

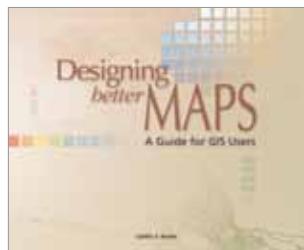
A. Jon Kimerling is professor emeritus of geography at Oregon State University, Corvallis. He has studied at the University of Washington and the University of Wisconsin, Madison, and has taught cartography and map use at the University of Wisconsin and Curtin University in Perth, Australia.

Aileen R. Buckley received her doctorate from Oregon State University. She is currently an adjunct associate professor in GIS at the University of Redlands and is the Mapping Center lead at Esri. Buckley has written numerous articles on map design and GIS for mapping and has contributed to the detailed, full-color volume *Atlas of Oregon*.

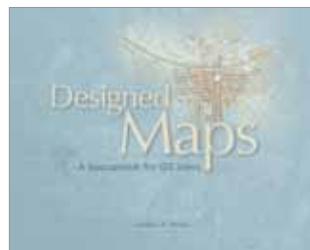
Phillip C. Muehrcke is professor emeritus of geography at the University of Wisconsin, Madison. He has studied at Northern Michigan University; the University of Michigan; and the University of Sydney, Australia, and has taught cartography at the University of Washington, the University of Arizona, and the University of Hawaii.

Juliana O. Muehrcke is the founding editor of *Nonprofit World*, a national journal for executives in nonprofit organizations. She has written for more than 100 publications, mostly in the educational field. She studied at the University of Colorado, the University of Michigan, and the University of Washington.

## Also Available



Designing Better Maps: A Guide for GIS Users  
Cynthia A. Brewer  
ISBN: 9781589480896  
(see page 19)



Designed Maps: A Sourcebook for GIS Users  
Cynthia A. Brewer  
ISBN: 9781589481602  
(see page 19)

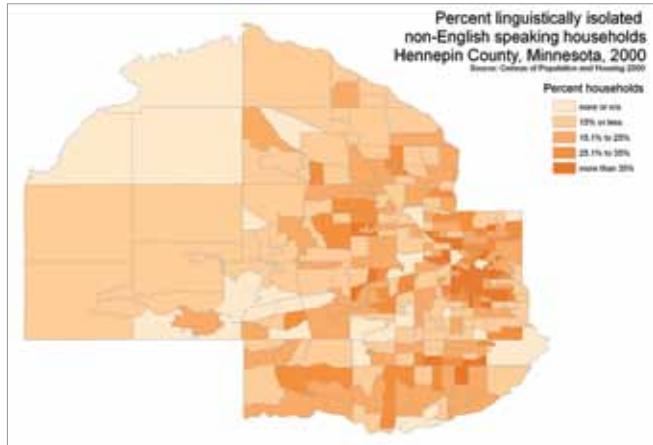
## Urban Policy and the Census

Heather MacDonald and Alan Peters

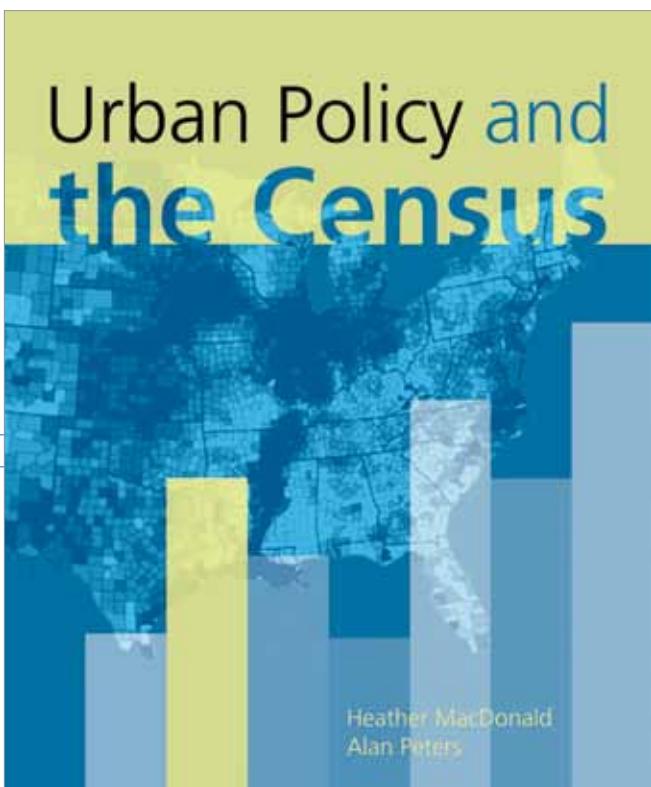
*Urban Policy and the Census* demonstrates how census and administrative spatial data can enrich the quality of evidence and analysis used to inform urban policy. Through rich illustration, this book fully examines the role of spatial analysis in policy making, from the structure of the decennial census and the American Community Survey to the process of acquiring maps and data to information analysis and decision making. *Urban Policy and the Census* will empower citizens, government agencies, policy makers, and employees of nonprofit organizations.

July 2011

ISBN: 9781589482227 Part Number: 112770  
\$49.95 240 pages 7.5 x 9 inches Paperback  
Media: None



This map shows the percent of linguistically isolated households by census tract in Hennepin County, Minnesota.

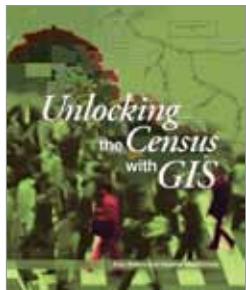


## About the Authors

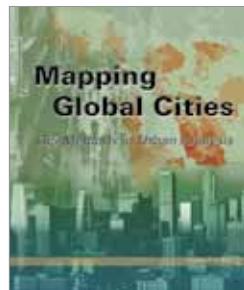
Heather MacDonald is a senior lecturer in the School of Built Environment at the University of Technology in Sydney, Australia. She holds a PhD from Rutgers University. MacDonald is a member of the Urban Affairs Association and the American Planning Association. MacDonald coauthored *Unlocking the Census with GIS* (Esri Press, 2004).

Alan Peters is professor, head of urban and regional planning, and director of the Planning Research Centre at the University of Sydney, Australia. He holds a PhD from Rutgers University and an MScURP from the University of Nepal. Peters has published a number of books and articles on planning, economic simulation, and GIS. He coauthored *Unlocking the Census with GIS* (Esri Press, 2004).

## Also Available



Unlocking the Census with GIS  
Alan Peters and Heather MacDonald  
ISBN: 9781589481138  
(see page 21)



Mapping Global Cities: GIS Methods in Urban Analysis  
Ayse Pamuk  
ISBN: 9781589481435  
(see page 25)

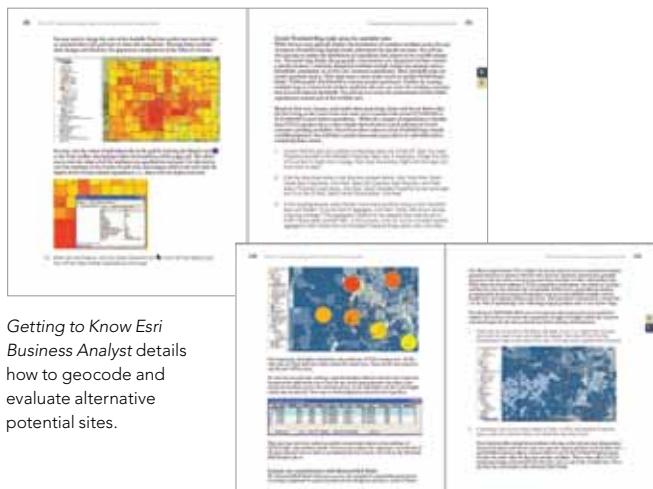
## Getting to Know Esri Business Analyst

Fred L. Miller

*Getting to Know Esri Business Analyst* is a workbook that teaches entrepreneurs how to use a wide range of Esri® Business Analyst™ applications to develop opportunities and serve customers more efficiently. Readers learn by completing fully illustrated, step-by-step exercises based on the growth of a hypothetical startup business, Living in the Green Lane, from its conception to its emergence as a national enterprise. A useful resource for business professionals and business students alike, *Getting to Know Esri Business Analyst* gives readers the skills to make better business decisions using the tools available in the Business Analyst suite.

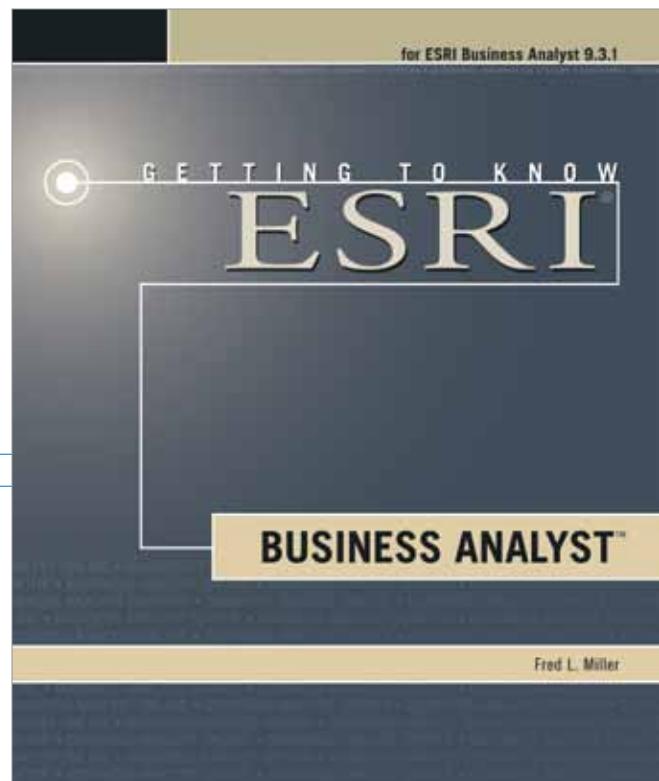
Now Available

ISBN: 9781589482357 Part Number: 113566  
\$79.95 352 pages 7.5 x 9 inches Paperback  
Media: Exercise data DVD



Getting to Know Esri Business Analyst details how to geocode and evaluate alternative potential sites.

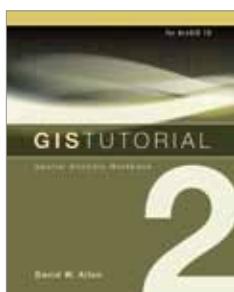
The book provides instruction on how to conduct a competitive analysis.



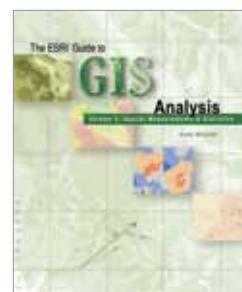
### About the Author

Fred L. Miller is the Thomas Hutchens Distinguished Professor of marketing and business GIS in the Department of Management, Marketing, and Business Administration at Murray State University (MSU), Kentucky. He is also director of MSU's Regensburg Exchange Program. His teaching and research interests are in the fields of business GIS, e-commerce, emerging technologies in marketing, and global marketing management. Miller authored the book *GIS Tutorial for Marketing* (Esri Press, 2007).

### Also Available



GIS Tutorial 2: Spatial Analysis Workbook, Second Edition  
David W. Allen  
ISBN: 9781589482586  
(see page 23)



The Esri Guide to GIS Analysis, Volume 2: Spatial Measurements and Statistics  
Andy Mitchell  
ISBN: 9781589481169  
(see page 19)

## Notes and Comments on the Composition of Terrestrial and Celestial Maps

J. H. Lambert; Waldo R. Tobler, translator

The son of a poor tailor, Johann Heinrich Lambert stepped beyond humble beginnings to walk among royalty and leading scholars of 18th century Europe. Largely self-educated, he became one of the world's preeminent mathematicians and cartographers, being the first to address the general properties of map projections. In 1772, Lambert published *Notes and Comments on the Composition of Terrestrial and Celestial Maps* in which he introduced several distinct map projections that are still used to this day. Lambert's groundbreaking work was translated from German into English by Swiss-American geographer Waldo R. Tobler in 1972, while Tobler was teaching at the University of Michigan. This classic text is essential reading for students of cartography and a key component of any cartographic library.

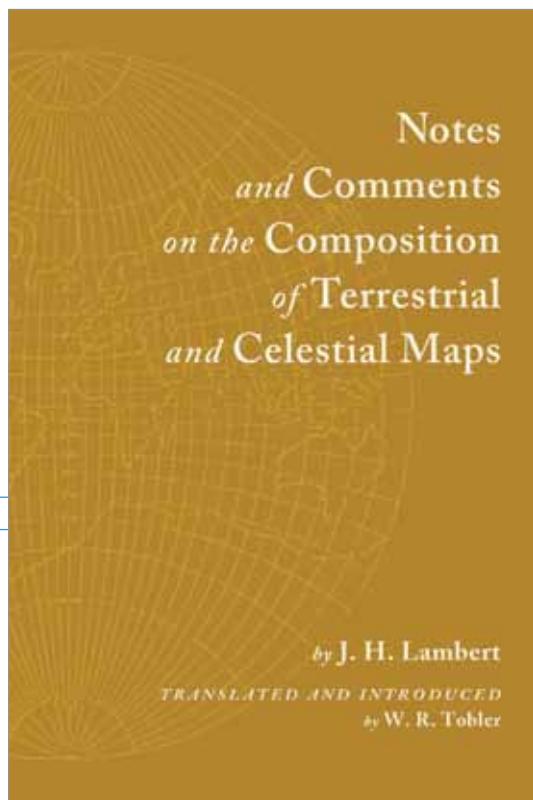
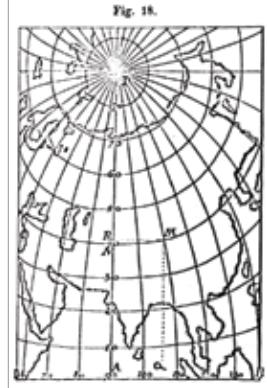
April 2011

ISBN: 9781589482814 Part Number: 122115  
\$24.95 135 pages 6 x 9 inches Paperback  
Media: None



Johann Heinrich Lambert was a leading 18th century cartographer whose map projections are still studied and in use today.

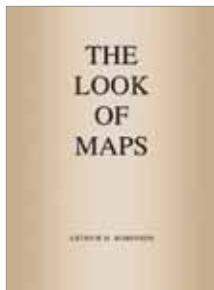
Lambert's mathematical calculations enabled him to create drawings that illustrated his theories on map projections.



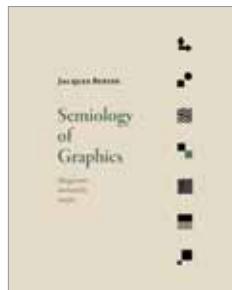
### About the Translator

Waldo R. Tobler is a leading geographer and cartographer. He has authored and coauthored many influential articles on the subjects of map projections and computational geography. He is professor emeritus in geography at the University of California in Santa Barbara, where he lives.

### Also Available



The Look of Maps: An Examination of Cartographic Design  
Arthur H. Robinson  
ISBN: 9781589482623  
(see page 24)



Semiology of Graphics: Diagrams, Networks, Maps  
Jacques Bertin  
ISBN: 9781589482616  
(see page 26)

## Palms to Peaks

The Art of Janet Edwards

Janet Edwards and Fred Edwards

*Palms to Peaks: The Art of Janet Edwards* exhibits 100 full-color works and narrative text that follow the development of artist Janet Edwards. Edwards, a longtime resident of California, is a regional realist whose etchings reflect her love of the history and natural beauty of the state. A formally trained artist, Edwards uses watercolor technique to create her etchings, which are often embellished with embossing. The narrative text is composed by Fred Edwards, the artist's husband, who offers a valuable reflection on regional history surrounding the scenes depicted. During this time of incredible change, the art of Janet Edwards pays homage to the stunning vistas, palms, and groves that have inspired her perspective of nature as art. Clothbound, *Palms to Peaks* is a perfect gift for collectors of Edwards's work as well as aspiring artists and lovers of the California landscape.

October 2011

ISBN: 9781589482852 Part Number: 123053

\$60.00 224 pages 9.5 x 12 inches Hardcover

Media: None

## Palms to Peaks

*The Art of Janet Edwards*



Palms to Peaks



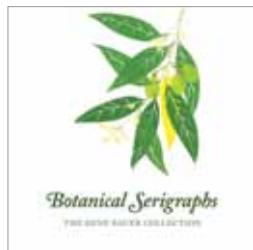
Palm Sentinels

## About the Authors

Janet Edwards is an artist renowned throughout the state of California for etchings that reflect her love of natural beauty and respect for sites of historical significance. Edwards, who holds a bachelor of arts degree from the University of Redlands, California, has been a lifelong student of art. She is currently an active member of the Redlands Art Association (RAA) and cochair of the RAA endowment fund. Edwards's works are displayed in galleries throughout California and in Oregon.

Fred Edwards is a retired minister and licensed marriage and family therapist. He holds a bachelor of arts degree from the University of Redlands and a master of theology degree from the Claremont School of Theology in California. Edwards has been an active artist since 1971. He is past president and present board member of the Redlands Art Association. Well versed in local history, Edwards coauthored the book *Redlands in the Postcard History series* (Arcadia Publishing, 2006).

## Also Available



Botanical Serigraphs: The Gene Bauer Collection  
Gene Bauer  
ISBN: 9781589482531  
(see page 33)



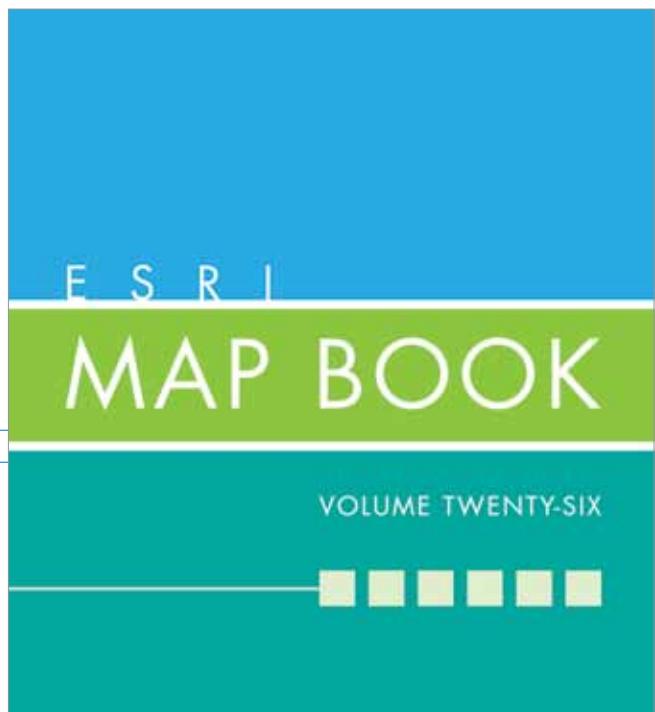
Salton Sea Atlas  
Redlands Institute,  
University of Redlands, editor  
ISBN: 9781589480438  
(see page 28)

## Esri Map Book, Volume 26

Mike Kataoka, editor

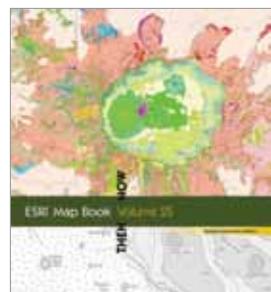
Esri Map Book, Volume 26, shows how GIS provides innovative, spatial solutions to wide-ranging issues affecting business, the environment, utilities, transportation, and government, among others. The full-color maps in this edition clearly show how GIS users around the globe contribute ever-increasing amounts of data and other resources to help achieve sustainable development and a more hopeful future. Each map is accompanied by text that describes its production and purpose. *Esri Map Book, Volume 26*, is an important collection of maps for GIS users, cartographers, collectors, and map libraries.

July 2011  
ISBN: 9781589482845 Part Number: 123052  
\$24.95 120 pages 10 x 11 inches Paperback  
Media: None

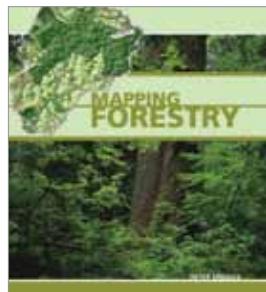


"What if All the Polar Ice Melted?" map image from the  
*Esri Map Book, Volume 25*.  
(Courtesy of the University of Rhode Island.)

## Also Available



Esri Map Book, Volume 25  
Mike Kataoka, editor  
ISBN: 9781589482548  
(see page 27)



Mapping Forestry  
Peter Eredics  
ISBN: 9781589482098  
(see page 28)

## Mapping the Nation

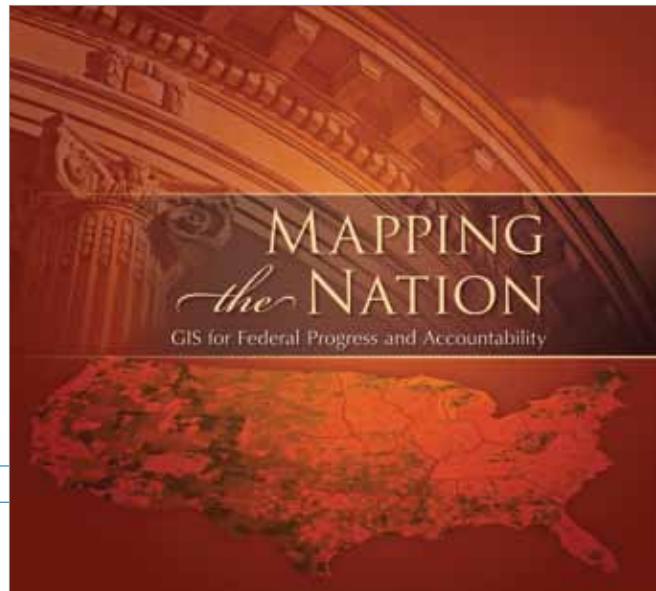
GIS for Federal Progress and Accountability

Esri

*Mapping the Nation: GIS for Federal Progress and Accountability* showcases more than 100 maps that provide insight into how federal organizations are using GIS technology to respond to current initiatives, achieve prosperous economic development, effectively consider the environment, and invite citizen engagement. This book illustrates how the federal government uses GIS to transform location-based data to aid in making important decisions about issues such as budget deficits, poverty, environmental pollution, crime, natural resources, and aging infrastructure. *Mapping the Nation: GIS for Federal Progress and Accountability* is the perfect visual reference for elected officials, politicians, and federal agencies.

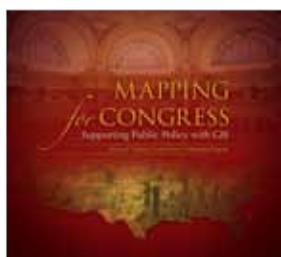
January 2011

ISBN: 9781589482869 Part Number: 123541  
\$19.95 112 pages 11 x 10 inches Paperback  
Media: None



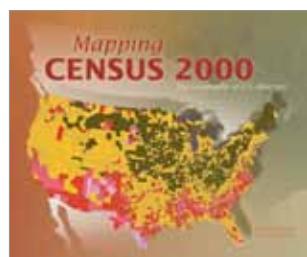
Federal Emergency Management Agency created this map to depict presidential disaster declarations between 1964 and 2009. The map provides insight into the frequency and types of emergencies faced across the nation.

Also Available

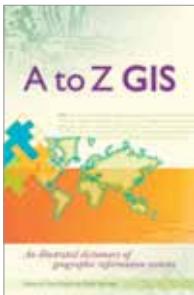


### Mapping for Congress

Nancy Sappington, editor, with Christopher Thomas, Milton Ospina, Brent Roderick, Ray Carnes, Michael Law, and Polly Barbee  
ISBN: 9781589481459  
(see page 28)



Mapping Census 2000  
Cynthia A. Brewer and Trudy A. Suchan  
ISBN: 9781589480148  
(see page 28)

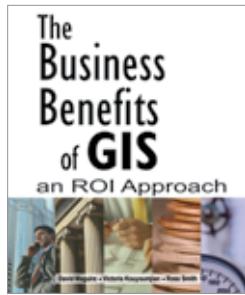


ISBN: 9781589481404  
Part Number: 100708  
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5.25 x 8 inches  
Paperback 2006  
Media: None

### A to Z GIS

An Illustrated Dictionary of Geographic Information Systems

*Tasha Wade and Shelly Sommer, editors*  
As GIS technology has evolved and grown, so has the language of this powerful tool. Written, developed, and reviewed by more than 150 subject matter experts, *A to Z GIS* is packed with more than 1,800 terms, nearly 400 full-color illustrations, and seven encyclopedia-style appendix articles about annotation and labels, features, geometry, layers in ArcGIS, map projections and coordinate systems, remote sensing, and topology.



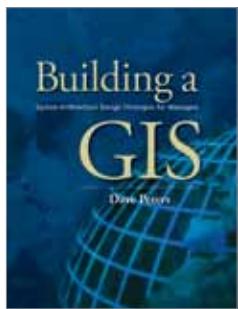
ISBN: 9781589482005  
Part Number: 110033  
\$24.95 USD 256 pages  
7.5 x 9 inches  
Paperback 2008  
Media: None

### The Business Benefits of GIS

An ROI Approach

*David Maguire, Victoria Kouyoumjian, and Ross Smith*

*The Business Benefits of GIS* presents a methodology aimed at ensuring the sustainability of GIS initiatives by effectively demonstrating the success of the investment. The methodology is based on an established framework and was adapted to combine the GIS expertise of Esri with the professional management experience of PA Consulting Group. The result is a step-by-step framework with additional tools that allow the reader to apply the book's methodology to GIS initiatives and achieve consensus among stakeholders.



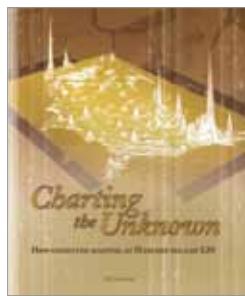
ISBN: 9781589481596  
Part Number: 103048  
\$44.95 USD 320 pages  
8.375 x 10.875 inches  
Paperback 2008  
Media: Ancillary CD

### Building a GIS

System Architecture Design Strategies for Managers

*Dave Peters*

*Building a GIS* documents a time-tested and proven design process to help organizations plan the infrastructure—system configuration, platform sizing/selection, and network bandwidth—to sustain a geographic information system. The accompanying CD includes the Capacity Planning Tool, which offers templates to automate system design analysis tasks. *Building a GIS*, along with Roger Tomlinson's *Thinking About GIS*, will help organizations implement, integrate, and scale a GIS cost-effectively.



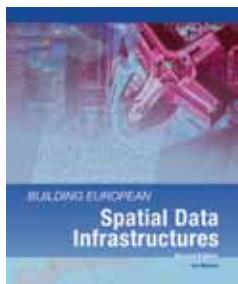
ISBN: 9781589481183  
Part Number: 97239  
\$34.95 USD 232 pages  
7.5 x 9 inches  
Paperback 2006  
Media: Ancillary CD

### Charting the Unknown

How Computer Mapping at Harvard Became GIS

*Nick Chrisman*

*Charting the Unknown* presents a history of GIS technology that takes readers back more than four decades to the Harvard Laboratory for Computer Graphics and Spatial Analysis, where a variety of professionals converged to rethink thematic mapping, spatial analysis, and what we now call GIS. The book includes a CD that contains interviews with important figures at the Harvard Laboratory, three movies showing animated visualization, and scanned copies of *Context* publications (from 1968 to 1983) describing research and research-related activities at the lab.

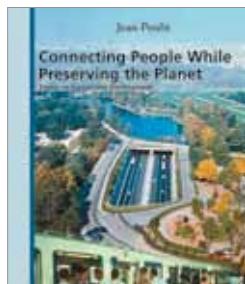


ISBN: 9781589482661  
Part Number: 118618  
\$34.95 USD 108 pages  
7.5 x 9 inches  
Paperback 2010  
Media: None

### Building European Spatial Data Infrastructures, Second Edition

*Ian Masser*

*Building European Spatial Data Infrastructures* explores the efforts of the European Union to create a framework for a multinational Infrastructure for Spatial Information in Europe (INSPIRE). Designed as a reference for GIS professionals and decision makers, this book presents an overview of the innovative activities being performed to comply with the INSPIRE Directive and explains the rationale and the processes involved in spatial data infrastructure (SDI) development and implementation.



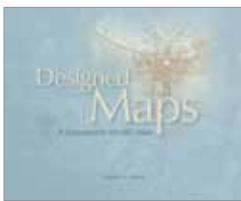
ISBN: 9781589481923  
Part Number: 108124  
\$29.95 USD 228 pages  
7.5 x 9 inches  
Paperback 2007  
Media: None

### Connecting People While Preserving the Planet

Essays on Sustainable Development

*Jean Poulit*

Originally published in French, Jean Poulit's *Connecting People While Preserving the Planet* offers philosophical insights that hinge on striking a balance between prosperity, well-being, and respect for our living planet. Based on research and observations conducted over more than 30 years, Poulit contests our generally accepted ideas of transportation, environment, and quality of life. This volume will prove illuminating to futurists, transportation officials, urban planners, government officials, and environmentalists worldwide.



ISBN: 9781589481602  
 Part Number: 103135  
 \$39.95 USD 184 pages  
 10.5 x 8.5 inches  
 Paperback 2008  
 Media: None

### Designed Maps

A Sourcebook for GIS Users

Cynthia A. Brewer

*Designed Maps* is a graphics-intensive presentation of published maps, providing more than 70 cartographic examples that GIS users can adapt for their own design needs. Each chapter characterizes a common design decision and includes a demonstration map annotated with specific information needed to reproduce the design such as text fonts, sizes, and styles; line weights, colors, and patterns; marker symbol fonts, sizes, and colors; and fill colors and patterns.

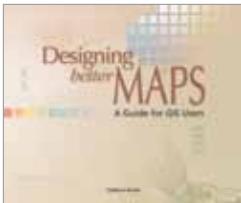


ISBN: 9781589481640  
 Part Number: 103795  
 \$64.95 USD 480 pages  
 7.5 x 9 inches Paperback 2008  
 Media: None

### Designing Geodatabases for Transportation

J. Allison Butler

*Designing Geodatabases for Transportation* provides guidance on how to design a GIS to manage data for transportation facilities and services as well as how to address the many problems unique to transportation data and related business processes. This book provides best-practice templates and communicates a practical database-design process for geographic information systems for transportation (GIS-T) users.



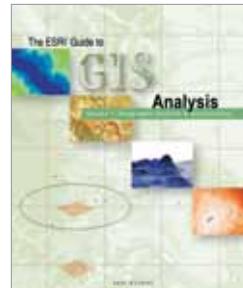
ISBN: 9781589480896  
 Part Number: 91828  
 \$34.95 USD 220 pages  
 9 x 7.5 inches Paperback 2005  
 Media: None

### Designing Better Maps

A Guide for GIS Users

Cynthia A. Brewer

This beautifully illustrated guide breaks down the myriad decisions involved in the design of powerful map layouts for reports, print publications, or interactive Web displays. Author Cynthia A. Brewer demystifies the basics of good cartography, walking the reader through layout design, scales, north arrows, projections, color selection, font choices, symbol placement, and export options. The appendix describes the author's popular ColorBrewer application, an online color selection tool.



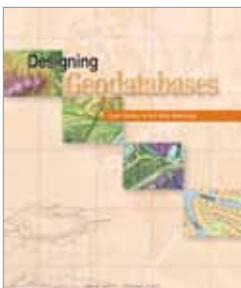
ISBN: 9781879102064  
 Part Number: 81706  
 \$34.95 USD 190 pages  
 7.5 x 9 inches Paperback 1999  
 Media: None

### The Esri Guide to GIS Analysis, Volume 1

Geographic Patterns and Relationships

Andy Mitchell

*The Esri Guide to GIS Analysis, Volume 1*, presents the reader with the necessary tools to conduct real analysis with a GIS. The book focuses on six of the most common geographic analysis tasks: mapping where things are, mapping the most and least, mapping density, finding what is inside, finding what is nearby, and mapping what has changed.



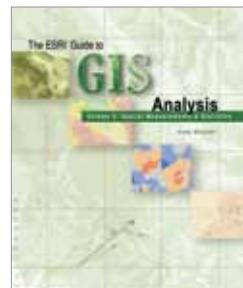
ISBN: 9781589480216  
 Part Number: 87596  
 \$44.95 USD 408 pages  
 7.5 x 9 inches Paperback 2004  
 Media: None

### Designing Geodatabases

Case Studies in GIS Data Modeling

David Arctur and Michael Zeiler

This highly visual guide to creating a dynamic geographic data model helps ArcGIS users design schemas that have comprehensive and descriptive query definitions, user-friendly cartographic displays, and increased performance standards. This work outlines five steps for taking a data model through its conceptual, logical, and physical phases—modeling the user's view, defining objects and relationships, selecting geographic representations, matching geodatabase elements, and organizing the geodatabase structure.



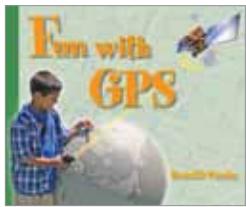
ISBN: 9781589481169  
 Part Number: 97279  
 \$34.95 USD 252 pages  
 7.5 x 9 inches Paperback 2005  
 Media: None

### The Esri Guide to GIS Analysis, Volume 2

Spatial Measurements and Statistics

Andy Mitchell

As the tools available through commercial GIS software have grown in sophistication, a need has emerged to instruct people on the best practices of true GIS analysis. In this sequel to the best-selling *The Esri Guide to GIS Analysis*, Volume 1, author Andy Mitchell delves into the more advanced realm of spatial measurements and statistics. The premise of *The Esri Guide to GIS Analysis*, Volume 2, targets GIS technology as having been well used as a display and visualization medium but not so widely used as a tool for real analysis.

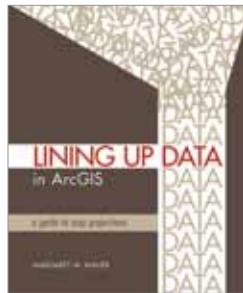


ISBN: 9781589480872  
Part Number: 96761  
\$19.95 USD 152 pages  
10 x 8 inches Paperback  
2005 Media: None

### Fun with GPS

Donald Cooke

Millions of people love their GPS devices but do not know how they can use this amazing technology to do much more than simply calculate a location. The dozens of illustrated examples in *Fun with GPS* show how GPS devices can be attached to just about anything or anyone. Each example includes maps and photographs that will inspire hobbyists, airline passengers, athletes, animal lovers, drivers, teachers, and students to track and map their activities.

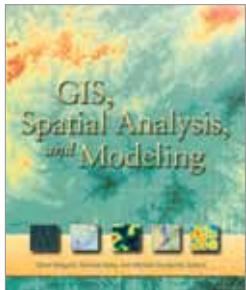


ISBN: 9781589482494  
Part Number: 115628  
\$24.95 USD 200 pages  
8 x 10 inches  
Paperback 2010  
Media: None

### Lining Up Data in ArcGIS A Guide to Map Projections

Margaret M. Maher

*Lining Up Data in ArcGIS: A Guide to Map Projections* is an easy-to-navigate, troubleshooting reference for any GIS user with the common problem of data misalignment. Complete with full-color maps and diagrams, this book presents techniques to identify data projections and create custom projections to align data. Formatted for practical use, each chapter can stand alone to address specific issues related to working with coordinate systems. *Lining Up Data in ArcGIS* will benefit beginning and skilled GIS users alike.



ISBN: 9781589481305  
Part Number: 100118  
\$59.95 USD 504 pages  
7.5 x 9 inches Paperback  
2005 Media: None

### GIS, Spatial Analysis, and Modeling

David Maguire, Michael Batty, and Michael Goodchild, editors

This book presents papers by leading GIS experts describing modern computerized spatial analysis and modeling. Recent advances in GIS software, along with the availability of spatially referenced data, now makes possible the sophisticated modeling and statistical analysis of all types of geographic phenomena. *GIS, Spatial Analysis, and Modeling* serves to advance the methods and practices used to develop meaningful spatial analysis for decision support. This text covers tools, techniques, and methods while providing examples of socioeconomic, scientific, transportation, and environmental applications.

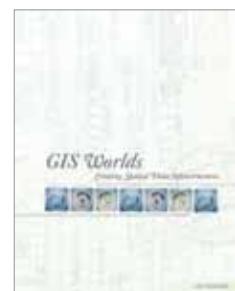


ISBN: 9781589482296  
Part Number: 110204  
\$9.95 USD 274 pages  
7.5 x 9 inches Paperback  
2008 Media: None

### Pensando en el SIG

Planificación del Sistema de Información Geográfica Dirigida a Gerentes, Tercera Edición

Roger Tomlinson  
*Thinking About GIS: Geographic Information System Planning for Managers*, Third Edition (Spanish translation). Desarrollado a partir de décadas de experiencia en consultoría global y sus populares seminarios de SIG mundialmente, el libro del Dr. Tomlinson ayuda a entrelazar las diferencias de comunicación entre las personas con competencia en tecnología y aquellos que no la tienen. La metodología proporciona una plataforma común de la cual se puede evaluar exactamente que necesita una organización de un SIG.



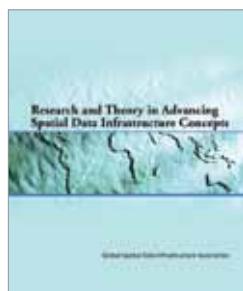
ISBN: 9781589481220  
Part Number: 99274  
\$49.95 USD 338 pages  
6.75 x 8.75 inches  
Paperback 2005  
Media: None

### GIS Worlds

Creating Spatial Data Infrastructures

Ian Masser

*GIS Worlds: Creating Spatial Data Infrastructures* discusses the diffusion and evolution of spatial data infrastructures around the world, shows where spatial data infrastructures (SDIs) are advancing, and describes where more work is needed. More significantly, it details the implementation of SDIs from a practical perspective and outlines a method of institution building for regional, continental, and global SDIs. This text promises to strengthen even further the need for intelligent governance and strong leadership in the GIS and spatial data communities.



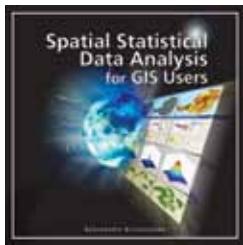
ISBN: 9781589481626  
Part Number: 103568  
\$24.95 USD 306 pages  
7.5 x 9 inches Paperback  
2007 Media: None

### Research and Theory in Advancing Spatial Data Infrastructure Concepts

Harlan Onsrud, editor

In this scholarly volume, Harlan Onsrud, former president of the Global Spatial Data Infrastructure Association, presents the latest research by renowned international experts and offers insights into possible directions in which spatial data infrastructures (SDIs) may be headed. Firmly rooted in a broad social context, the research analyzes models for planning, financing, and implementing SDI initiatives and assesses the extent to which established SDI projects in Australia, India, and the European Union are contributing to national economic competitiveness and social well-being.

## GIS Technology and Reference

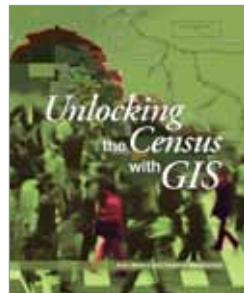


ISBN: 9781589481619  
 Part Number: 103087  
 \$39.99 USD 5 x 5 inches  
 DVD 2011  
 Media: DVD

### Spatial Statistical Data Analysis for GIS Users

Konstantin Krivoruchko

*Spatial Statistical Data Analysis for GIS Users* discusses spatial statistical models, from simple to complex. This DVD focuses on the ArcGIS Geostatistical Analyst extension to explain basic concepts of statistical models, offer solutions for applying models to data, and provide exercises for practicing spatial data analysis. This DVD is a resource for users of ArcGIS Geostatistical Analyst, as well as students, teachers, and researchers looking for a practical introduction to statistical modeling.

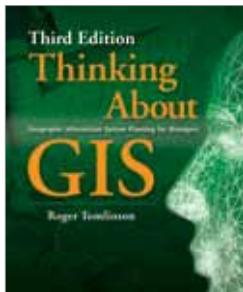


ISBN: 9781589481138  
 Part Number: 93988  
 \$44.95 USD 336 pages  
 8.5 x 9.25 inches Paperback  
 2004 Media: None

### Unlocking the Census with GIS

Alan Peters and Heather MacDonald

The U.S. Census provides billions of pieces of complex data about millions of exceptionally diverse people. *Unlocking the Census with GIS* describes how GIS can be used to better access, understand, manage, and analyze census data and census-related information and present it in a spatial format. Numerous maps, tables, sidebars, and in-depth examples and explanations are provided to guide readers to a greater understanding of the census and its value to those using powerful GIS software tools.



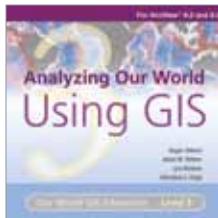
ISBN: 9781589481589  
 Part Number: 103047  
 \$29.95 USD 328 pages  
 7.5 x 9 inches Paperback  
 2007 Media: None

### Thinking About GIS

Geographic Information System  
 Planning for Managers, Third Edition

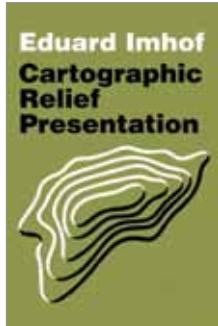
Roger Tomlinson

*Thinking About GIS* details a planning model developed for designing data and technology systems that will meet an organization's specific needs, whether it's an enterprise-wide GIS or a single-shop launch. Targeted at two primary audiences—senior managers who oversee information technologies and the more technical specialists charged with designing the actual systems—this book gives both groups a common platform on which to conduct serious GIS planning.



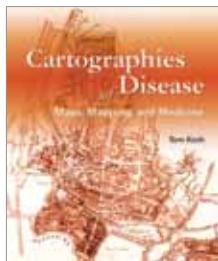
ISBN: 9781589482760  
Part Number: 120655  
\$19.95 USD 5 x 5 inches  
Media Kit 2010  
Media: CD containing teacher resources, data and handouts for the lessons; DVD containing a one-year trial of ArcView® 9.3 software

**Analyzing Our World Using GIS Media Kit**  
**Our World GIS Education, Level 3**  
Roger Palmer, Anita M. Palmer, Lyn Malone, and Christine L. Voigt  
*Analyzing Our World Using GIS* is geared to high school students and others who want to extend their basic GIS skills. The 10 lessons combine step-by-step instructions with the critical thinking and open-minded exploration inherent in GIS. Building on students' fluency with tabular and raster GIS data, the curriculum enhances the topics covered in *Mapping Our World Using GIS* and includes political and economic geography, geology, climate, population patterns, and current issues.



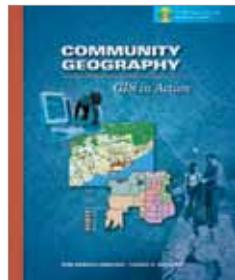
ISBN: 9781589480261  
Part Number: 102976  
\$59.95 USD 434 pages  
7 x 9.125 inches  
Paperback  
2007 Media: None

**Cartographic Relief Presentation**  
**Eduard Imhof**  
Within the discipline of cartography, few works are considered classics in the sense of retaining their interest, relevance, and inspiration with the passage of time. One such work is Imhof's masterpiece *Cartographic Relief Presentation*. As a unique display of analysis and portrayal, this is an outstanding example of the need for cartography to combine intellect and graphics in solving map design problems. The range, detail, and scientific artistry of his solutions are presented in an instructional context that puts this work in a class by itself.



ISBN: 9781589481206  
Part Number: 97237  
\$44.95 USD 412 pages  
7.5 x 9.125 inches  
Paperback  
2005 Media: None

**Cartographies of Disease**  
**Maps, Mapping, and Medicine**  
**Tom Koch**  
*Cartographies of Disease: Maps, Mapping, and Medicine* is a comprehensive survey of the technology of mapping and its relationship to the battle against disease. This look at medical mapping advances a radical argument that maps are not merely representations of spatial realities but a way of thinking about relationships between viral and bacterial communities, human hosts, and the environments in which diseases flourish.

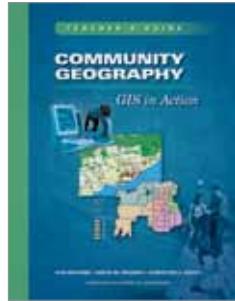


ISBN: 9781589480230  
Part Number: 87599  
\$24.95 USD 296 pages  
7.5 x 9 inches Paperback  
2003 Media: CD containing data and ArcView 3.x projects

**Community Geography**  
**GIS in Action**

Kim Zanelli English and Laura S. Feaster (Bowden)

*Community Geography* is designed to inspire students and citizens to make a difference in their communities using GIS technology. The book includes seven case studies that describe innovative community projects in endeavors such as working with a local police department to map crime, analyzing landfill hazards, tracking river water quality, and taking inventory of area trees. Step-by-step exercises, guidelines, and practical tips for taking on similar projects in readers' own communities are included.



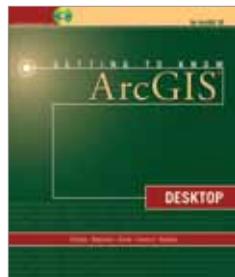
ISBN: 9781589480513  
Part Number: 90974  
\$9.95 USD 152 pages  
8.5 x 11 inches Paperback  
2003 Media: None

**Community Geography**  
**GIS in Action Teacher's Guide**

Lyn Malone, Anita M. Palmer, and Christine L. Voigt

A classroom companion to *Community Geography: GIS in Action*, this guide provides teachers with the resources they need to teach GIS exercises to middle and high school students and manage self-guided projects.

*Community Geography: GIS in Action* and the companion *Teacher's Guide* make a complete educational package for anyone who wants to integrate learning, GIS technology, and real-world experiences.

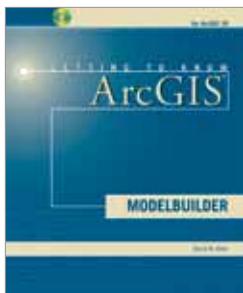


ISBN: 9781589482609  
Part Number: 117270  
\$79.95 USD 604 pages  
7.5 x 9 inches Paperback  
2010 Media: Exercise data CD and access to a 180-day trial of ArcGIS Desktop 10

**Getting to Know ArcGIS Desktop, Second Edition, Updated for ArcGIS 10**

Tim Ormsby, Eileen J. Napoleon, Robert Burke, Carolyn Groessl, and Laura Bowden

*Getting to Know ArcGIS Desktop* introduces principles of GIS as it teaches the mechanics of using Esri's leading technology. Key concepts are combined with detailed illustrations and step-by-step exercises to acquaint readers with the building blocks of ArcGIS Desktop. Its broad scope, simple style, and practical orientation make this book an ideal classroom text or resource for independent study. A data CD for working through the exercises, and access to a 180-day trial version of ArcGIS Desktop 10 is included with the book.

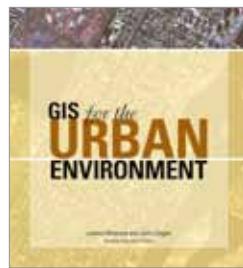


ISBN: 9781589482555  
 Part Number: 117162  
 \$79.95 USD 362 pages  
 7.5 x 9 inches Paperback  
 2011 Media: Data DVD

### Getting to Know ArcGIS ModelBuilder

David W. Allen

*Getting to Know ArcGIS ModelBuilder* teaches readers how to develop and run reusable geoprocessing workflows and models. Written for intermediate and advanced GIS users, this book is the first reference book and workbook exclusively for ModelBuilder™, a visual programming technology available in ArcGIS. Designed to support students in the classroom as well as self-learners, data for the exercises, as well as examples of models, Python scripts, and custom applications, is included in a companion DVD.

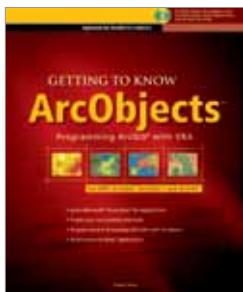


ISBN: 9781589480827  
 Part Number: 91844  
 \$79.95 USD 628 pages  
 8.5 x 9.25 inches Hardcover  
 2006 Media: Exercise data CD

### GIS for the Urban Environment

Juliana Maantay and John Ziegler

This illustrated, hardcover text addresses the use of GIS software for problem solving in the planning of both large and small cities and metropolitan areas. *GIS for the Urban Environment* is a tool for all students and practitioners who want to learn more about how they might apply GIS to urban planning, public health, urban environmental assessment, hazard and emergency management, geographic analysis, or sustainable community development. The exercises and case studies in the book present clear illustrations of GIS usage in contemporary cities and urban regions through examples of real-life applications.

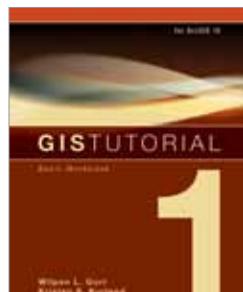


ISBN: 9781589480186  
 Part Number: 87593  
 \$59.95 USD 436 pages  
 7.5 x 9 inches Paperback  
 2003 Media: Exercise data CD

### Getting to Know ArcObjects Programming ArcGIS with VBA

Robert Burke

*Getting to Know ArcObjects* is an indispensable guide for learning to program ArcObjects™ within the Microsoft Visual Basic® for Applications (VBA) development environment. ArcObjects components are the building blocks of ArcGIS software, and knowing how to program ArcObjects gives users the power to customize the ArcGIS user interface, write software tools and functions, and create specialty applications. This workbook supports programmers of all skill levels, from novices to those already familiar with the Unified Modeling Language (UML) and Component Object Model (COM).

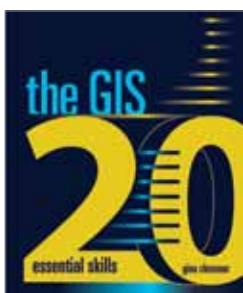


ISBN: 9781589482593  
 Part Number: 117292  
 \$79.95 USD 428 pages  
 8 x 10 inches Paperback  
 2010 Media: Exercise data DVD and ArcGIS Desktop 10 180-day trial DVD

### GIS Tutorial 1

Basic Workbook, Fourth Edition

*Wilpen L. Gorr and Kristen S. Kurland*  
*GIS Tutorial 1: Basic Workbook* provides effective GIS training in a step-by-step format. This book combines ArcGIS tutorials with independent exercises to gradually advance your GIS skills, from creating maps and collecting data to using geoprocessing tools and models and the ArcGIS 3D Analyst™ and ArcGIS Spatial Analyst extensions for further analysis. The easy-to-follow exercises, data DVD, and access to ArcGIS Desktop 10 software use make *GIS Tutorial 1* the perfect choice for GIS beginners.

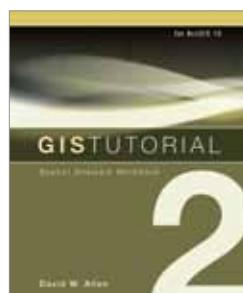


ISBN: 9781589482562  
 Part Number: 117242  
 \$39.95 USD 156 pages  
 7.5 x 9 inches Paperback  
 2010 Media: Exercise data CD

### The GIS 20 Essential Skills

Gina Clemmer

Inspired by a poll of 500 GIS practitioners, *The GIS 20: Essential Skills* is an easy-to-understand guide that emphasizes 20 skills most people need to master to be successful using GIS. A quick and comprehensive introduction to GIS fundamentals, this book includes a data CD for completing the exercises. Written for professionals with no time for classroom training, *The GIS 20* can be used for independent study, or as-needed reference.



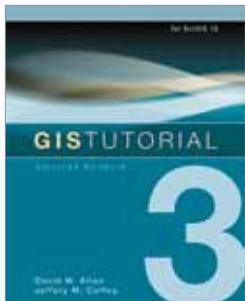
ISBN: 9781589482586  
 Part Number: 117282  
 \$79.95 USD 340 pages  
 8 x 10 inches Paperback  
 2010 Media: Exercise data DVD and ArcGIS Desktop 10 180-day trial DVD

### GIS Tutorial 2

Spatial Analysis Workbook, Second Edition

David W. Allen

*GIS Tutorial 2: Spatial Analysis Workbook* includes exercises that help GIS users at the intermediate level continue to build problem-solving and analysis skills. Inspired by the Esri Guide to GIS Analysis book series, *GIS Tutorial 2* provides a system to help you develop proficiency in various spatial analysis methods, including location analysis, geographic distribution, pattern analysis, and cluster identification. This workbook is the perfect tool for those who are ready to take their knowledge of GIS to the next level.

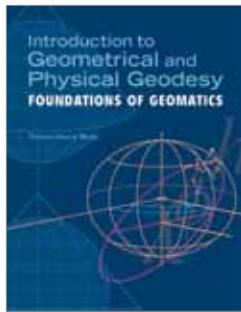


ISBN: 9781589482074  
 Part Number: 111229  
 \$79.95 USD 412 pages  
 8 x 10 inches Paperback  
 2010 Media: Exercise data DVD and ArcGIS Desktop 10 180-day trial DVD

### GIS Tutorial 3

#### Advanced Workbook

David W. Allen and Jeffery M. Coffey  
*GIS Tutorial 3: Advanced Workbook* features exercises that utilize more of the complex capabilities of ArcGIS. Following the standard tutorial format, this workbook is divided into four sections that cover framework design for a complex geodatabase, working with data, workflow optimization, and labeling and symbolizing techniques. *GIS Tutorial 3* introduces readers to tools and methods that use the best features available at higher ArcGIS license levels. This book was written to be used for advanced coursework or independent study.

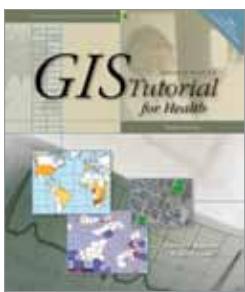


ISBN: 9781589482159  
 Part Number: 112203  
 \$99.95 USD 260 pages  
 8.375 x 10.875 inches Hardcover  
 2010 Media: None

### Introduction to Geometrical and Physical Geodesy

#### Foundations of Geomatics

Thomas Henry Meyer  
*Introduction to Geometrical and Physical Geodesy* explores geodesy, the discipline dealing with the measurement of the earth. Establishing GIS as a coordinate-based system and building on this concept, the book culminates in the reader's applied knowledge of geodesy. To simplify presentation, mathematics in this book is discussed without origin of proof. Intended for the classroom or professional reference, this book simplifies the geodesic formulas related to surveying, making it a practical approach to geodesy and GIS.



ISBN: 9781589482241  
 Part Number: 112988  
 \$79.95 USD 384 pages  
 8.375 x 10.875 inches Paperback  
 2009 Media: Exercise data CD and ArcGIS 9.3 180-day trial DVD

### GIS Tutorial for Health, Third Edition

Kristen S. Kurland and Wilpen L. Gorr  
 In its third edition, *GIS Tutorial for Health* is fully revised and updated for ArcGIS 9.3 software compatibility. To better support skill building and development, this workbook features extended introductions to 11 tutorials addressing significant issues of health care and policy planning. Additionally, *GIS Tutorial for Health, Third Edition*, contains a new tutorial that utilizes the ArcGIS Spatial Analyst extension to estimate the demand for automated defibrillators in public places.

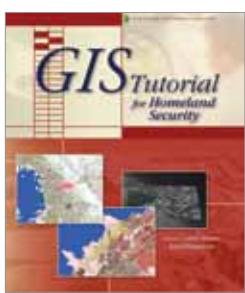


ISBN: 9781589480414  
 Part Number: 102979  
 \$49.95 USD 512 pages  
 7.5 x 9 inches Paperback  
 2009 Media: None

### Land Administration for Sustainable Development

Ian Williamson, Stig Enemark, Jude Wallace, and Abbas Rajabifard

*Land Administration for Sustainable Development* examines global land administration systems at different levels of maturity. This examination elucidates how countries can establish basic infrastructure for the implementation of land-related policies and land management strategies that will help ensure social equality, economic growth, and environmental protection. *Land Administration for Sustainable Development* is a resource for professors and students of land planning, land administrators, land planning managers, and government officials.

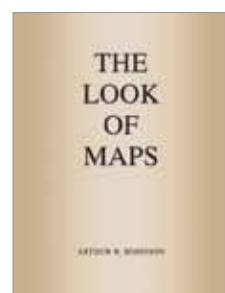


ISBN: 9781589481886  
 Part Number: 108100  
 \$79.95 USD 448 pages  
 8.375 x 10.875 inches Paperback  
 2008 Media: Exercise data DVD and ArcGIS 9.3 180-day trial DVD

### GIS Tutorial for Homeland Security

Susan Lindell Radke and Eddie Hanebuth

Public safety officers, government officials, and students of criminal justice and public administration will find the exercises in *GIS Tutorial for Homeland Security* useful in learning GIS technology for homeland security operations and planning. Tutorials involve Minimum Essential Datasets (MEDS) database preparation, information sharing, a critical infrastructure protection program, search and rescue, structural damage assessment, and more.



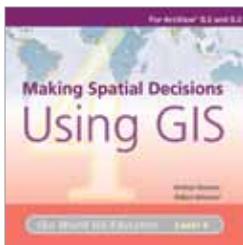
ISBN: 9781589482623  
 Part Number: 117318  
 \$39.95 124 pages  
 6 x 9 inches Paperback  
 2010 Media: None

### The Look of Maps

#### An Examination of Cartographic Design

Arthur H. Robinson

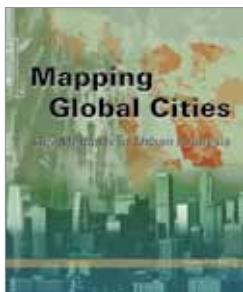
Originally published in 1952, *The Look of Maps* documents Arthur H. Robinson's pivotal observation that the discipline of cartography rests at the crossroads of science and art. Based on his doctoral research, this book attempts to resolve the apparent disconnect by covering a range of topics related to the visual characteristics of cartographic technique, including lettering, structure, and color. *The Look of Maps* is a classic text and an essential component of any cartographic library.



ISBN: 9781589482777  
 Part Number: 120615  
 \$14.95 USD 5 x 5 inches  
 Media Kit 2010  
 Media: DVD containing student text, data, and resources

### Making Spatial Decisions Using GIS Media Kit

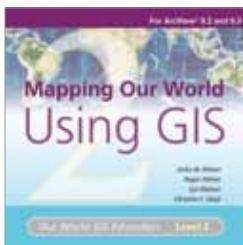
**Our World GIS Education, Level 4**  
 Kathryn Keranen and Robert Kolvoord  
*Making Spatial Decisions Using GIS* allows students to experience the process of spatial decision making in real-world settings. Designed for an upper-level high school or college curriculum, the five modules on this DVD encourage students to perform sophisticated analysis, make maps, and examine location criteria, population patterns, chemical spills, storm-ravaged coastlines, and big-city crime. Level 4 contains all that students need to complete GIS projects, including GIS software, data, instructions, and worksheets.



ISBN: 9781589481435  
 Part Number: 100731  
 \$49.95 USD 208 pages  
 7.5 x 9 inches Paperback  
 2006 Media: Exercise data CD

### Mapping Global Cities GIS Methods in Urban Analysis

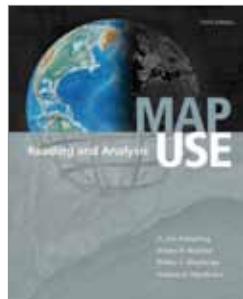
**Ayse Pamuk**  
 Spatial thinking and analysis are essential for informed urban policy making in a global world. Urban planners need to understand how cities are organized and how residential patterns are shaped as a result of population and employment changes. *Mapping Global Cities* illustrates how GIS technology can be applied to urban planning and policy challenges to enhance our efforts in providing solutions. This book is a valuable resource for urban studies and planning students, international development professionals, human settlement experts in the developing world, and urban planning practitioners.



ISBN: 9781589482753  
 Part Number: 120649  
 \$19.95 USD 5 x 5 inches  
 Media Kit 2010 Media: CD containing teacher resources, data, and handouts for the lessons; DVD containing a one-year trial of ArcView 9.3 software

### Mapping Our World Using GIS Media Kit

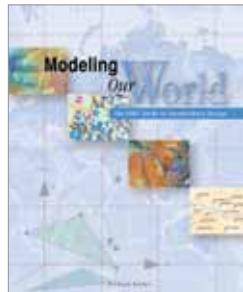
**Our World GIS Education, Level 2**  
 Anita M. Palmer, Roger Palmer, Lyn Malone, and Christine L. Voigt  
*Mapping Our World Using GIS* targets middle school and high school students with seven modules that build skills in geographic inquiry, spatial thinking, and GIS technology. Using step-by-step instructions, questions, and data, students can hone their problem-solving skills while studying global and regional geology, climate, populations, political boundaries, and economics. The lessons comply with the National Geography Standards for grades 5–8 and 9–12.



ISBN: 9781589482838  
 Part Number: 108122  
 \$99.95 USD 528 pages  
 8.375 x 10.875 inches  
 Paperback 2009  
 Media: Instructor resource CD available with desk copy request

### Map Use

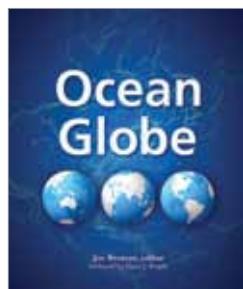
**Reading and Analysis, Sixth Edition**  
 A. Jon Kimerling, Aileen R. Buckley, Phillip C. Muehrcke, and Juliana O. Muehrcke  
*Map Use: Reading and Analysis, Sixth Edition*, demonstrates the importance of understanding the significant distinctions, formats, and functionality of maps. This full-color text features integrated discussions of standard planimetric maps, perspective diagrams, environmental photograms, satellite images, and additional content related to GIS technology as it pertains to spatial analysis. *Map Use* is written for anyone who wants to effectively read and use maps, and it will likely remain a permanent fixture in any cartographic resource library.



ISBN: 9781879102620  
 Part Number: 83323  
 \$29.95 USD 216 pages  
 7.5 x 9 inches Paperback  
 1999 Media: None

### Modeling Our World

**The Esri Guide to Geodatabase Design**  
 Michael Zeiler  
*Modeling Our World* is the comprehensive guide and reference to GIS data modeling in general and the geodatabase model in particular. It shows how to make decisions about modeling data that will inform each aspect of the GIS project, from database design and data capture to spatial analysis and visual presentation. Illustrated with hundreds of full-color maps and figures, this book will be essential reading for new users of ArcGIS.



ISBN: 9781589482197  
 Part Number: 112545  
 \$64.95 USD 294 pages  
 7.5 x 9 inches Paperback  
 2010 Media: None

### Ocean Globe

**Joe Breman, editor**  
*Ocean Globe* focuses on bathymetry—the study of underwater depth of the third dimension—with the larger context of work being done by scientists and educators around the world. With a shared goal of joining disparate data collected over decades, the contributors to this volume turn to GIS as a tool for sharing information and advancing the science of bathymetry. *Ocean Globe* is both a resource for the classroom and a reference for practitioners.

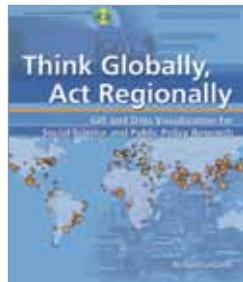


ISBN: 9781589480322  
Part Number: 88537  
\$29.95 USD 224 pages  
9 x 9 inches Paperback  
2002 Media: None

### Past Time, Past Place GIS for History

Anne Kelly Knowles, editor

*Past Time, Past Place* is a pioneering text that shows how historians are using GIS technology to take a fresh look at the past. It represents the tremendous range of new historical applications of GIS, from the Dust Bowl to the Salem witch trials and from Civil War battlefields to the landscapes of the Greek and Roman empires. Leading scholars explain how they have used GIS technology to organize historical research in a geographic context, explore evidence in new ways, map past places and events, and challenge long-standing historical interpretations.

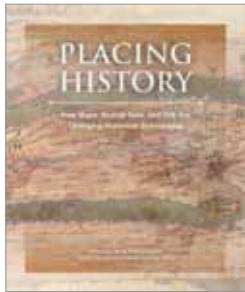


ISBN: 9781589481244  
Part Number: 99833  
\$64.95 USD 540 pages  
8 x 9.25 inches Paperback  
2005 Media: Data CD

### Think Globally, Act Regionally GIS and Data Visualization for Social Science and Public Policy Research

Richard LeGates

Space is an important dimension in most real-world issues that concern social scientists and students of public policy. *Think Globally, Act Regionally* explores the spatial aspects of issues such as the preservation of farmland and endangered plants and animals, urban and regional planning, and management of light-rail lines. This book is designed as a monthlong module with structured exercises addressing themes of urbanization, GIS technology, data visualization, the balance between the built and natural environments, and issues of spatial equity and regional integration.

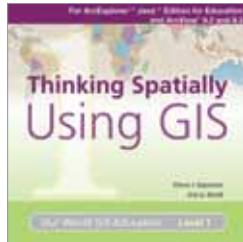


ISBN: 9781589480131  
Part Number: 102796  
\$49.95 USD 336 pages  
7.5 x 9 inches Paperback  
2008 Media: Digital  
supplement CD

### Placing History

How Maps, Spatial Data, and GIS Are  
Changing Historical Scholarship

Anne Kelly Knowles, editor; Amy Hillier,  
digital supplement editor  
Over the past decade, historical GIS has emerged as a promising new methodology for studying history. In this companion piece to *Past Time, Past Place*, editor Anne Kelly Knowles presents a collection of case studies that illustrate how GIS technology can be utilized to reorganize and reevaluate historical data. Complete with a digital supplement edited by Amy Hillier, *Placing History* is the perfect tool for engaging a classroom of young historians by demonstrating how GIS can be used to awaken the past.

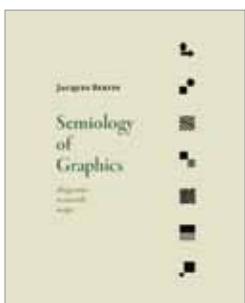


ISBN: 9781589482764  
Part Number: 120589  
\$19.95 USD 5 x 5 inches  
Media Kit 2010 Media: CD  
containing teacher resources, a  
DVD with ArcExplorer™—Java  
Edition for Education software,  
and a one-year trial of  
ArcView 9.3

### Thinking Spatially Using GIS Media Kit Our World GIS Education, Level 1

Eileen J. Napoleon and Erin A. Brook

*Thinking Spatially Using GIS*, Level 1 of the series, introduces students to spatial concepts using GIS software. These include identifying location and direction, creating categories, symbolizing map features, recognizing spatial patterns, and thinking critically about our geographic data. Students will journey with early explorers, study the animal kingdom, trace U.S. population patterns, and analyze the occurrence of tornadoes. The lessons comply with the National Geography Standards for grades 3–6.

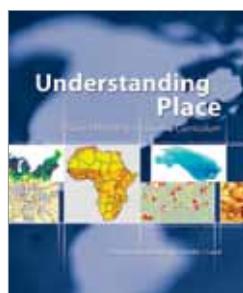


ISBN: 9781589482616  
Part Number: 117317  
\$79.95 USD 460 pages  
8.5 x 10.5 inches Hardcover  
2010 Media: None

### Semiology of Graphics Diagrams, Networks, Maps

Jacques Bertin

Originally published in French in 1967, *Semiology of Graphics* holds a significant place in the theory of information design. Founded on Jacques Bertin's practical experience as a cartographer, this book is an unprecedented attempt to synthesize principles of graphic communication with the logic of standard rules applied to writing and topography. The first cohesive, analytic theory of graphic representation, *Semiology of Graphics* is an essential reference for cartographers, graphic designers, illustrators, and geographers.



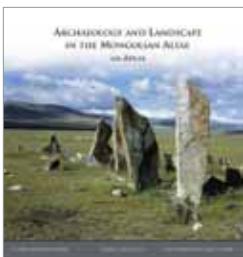
ISBN: 9781589481497  
Part Number: 101486  
\$49.95 USD 304 pages  
7.5 x 9 inches Paperback  
2007 Media: None

### Understanding Place GIS and Mapping Across the Curriculum

Diana Stuart Sinton and Jennifer J. Lund, editors

*Understanding Place* is a reference for teachers who wish to deepen student involvement by using GIS technology to analyze and visualize information. Using interactive maps, students in all disciplines have the opportunity to develop the skills and habits of seeing, thinking, and communicating with information-rich images. Contributors candidly describe GIS-based teaching, learning, and research across the range of a liberal arts and sciences curriculum.

## Atlases and GIS Map Books



ISBN: 9781589482326  
 Part Number: 113412  
 \$79.95 USD 225 pages  
 11 x 11 inches Hardcover  
 2010 Media: None

### Archaeology and Landscape in the Mongolian Altai: An Atlas

*Esther Jacobson-Tepfer and James E. Meacham*

This book examines the distribution of ancient surface archaeological discoveries within the mountainous region of northwestern Mongolia. For thousands of years, this region was inhabited by hunters and pastoral nomads who left behind huge concentrations of rock art in the high valleys. With vivid maps and photographs, this book explores the cultural heritage of this rugged environment. This book will appeal to readers interested in ecotourism, preservation, geography, and ancient human cultures.

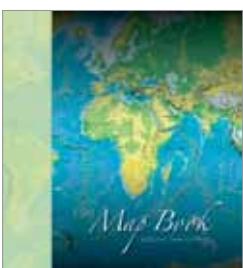


ISBN: 9781589480445  
 Part Number: 90016  
 \$79.95 USD 164 pages  
 14 x 13 inches Hardcover  
 2004 Media: None

### Cartographica Extraordinaire The Historical Map Transformed

*David Rumsey and Edith M. Punt*

Handsomely illustrated, this large-format, hardcover atlas is a collection of extraordinary historical maps, some of which have been uniquely enhanced with modern GIS technology, from the private collection of David Rumsey. Maps featured in *Cartographica Extraordinaire* not only tell the vivid history of North and South America, from the early exploration of the New World to Lewis and Clark's opening of the American West, but also bridge the gap between historical cartography and the technologically advanced applications of GIS.

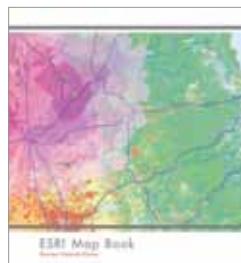


ISBN: 9781589481725  
 Part Number: 105472  
 \$24.95 USD 120 pages  
 10 x 11 inches Paperback  
 2007 Media: None

### Esri Map Book, Volume 22

*Michael Law, editor*

This annual edition showcases some of the most creative, interesting, and beautiful maps presented at the Map Gallery exhibition at the annual Esri International User Conference. Volume 22 continues the tradition of showing readers the capability of GIS and how it is changing the world. This collection of maps will appeal to a broad audience of users, including industry professionals, cartographers, students, scholars, and others interested in maps.

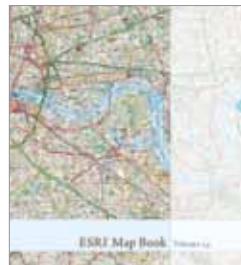


ISBN: 9781589481930  
 Part Number: 108386  
 \$24.95 USD 120 pages  
 10 x 11 inches Paperback  
 2008 Media: None

### Esri Map Book, Volume 23

*Michael Law, editor*

*Esri Map Book, volume 23, is dedicated to showcasing the innovative and inspiring accomplishments of GIS users around the world. The true excitement of this book lies in the discovery of which maps have made it from the 2007 Esri International User Conference Map Gallery into publication. More than 100 full-color maps are featured from distinct industry categories such as cartography, environmental management, government, natural resources, planning and engineering, tourism, transportation, and utilities. Each map is presented with a description of how it was produced or used.*

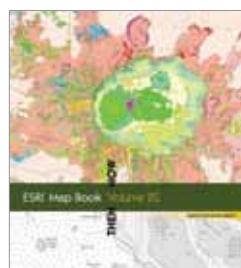


ISBN: 9781589482302  
 Part Number: 113122  
 \$24.95 USD 120 pages  
 10 x 11 inches Paperback  
 2009 Media: None

### Esri Map Book, Volume 24

*Mike Kataoka, editor*

*Esri Map Book is an annual volume published to exhibit the most innovative and well-crafted maps displayed at the Esri International User Conference. This volume continues the tradition of acknowledging the outstanding efforts of GIS users in their respective fields. With more than 20 categories represented by more than 100 full-color maps, volume 24 tells the story of how GIS professionals are boldly shaping the world that they map.*

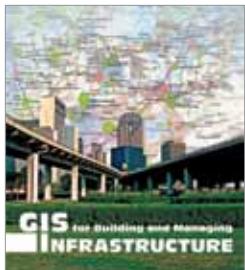


ISBN: 9781589482548  
 Part Number: 117161  
 \$24.95 USD 120 pages  
 10 x 11 inches Paperback  
 2010 Media: None

### Esri Map Book, Volume 25

*Mike Kataoka, editor*

*The Esri Map Book showcases new and innovative ways GIS is being used to provide solutions. In this 25th anniversary edition, the Esri Map Book features a commemorative "then and now" spread, which examines how GIS technology has evolved over the years. Presented in full-color, the maps in this book artfully demonstrate how GIS users contribute to an information infrastructure for a more sustainable future.*

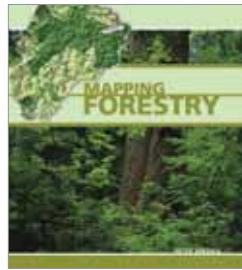


ISBN: 9781589482524  
Part Number: 116764  
\$24.95 USD 72 pages  
10 x 11 inches Paperback  
2009 Media: None

### GIS for Building and Managing Infrastructure

Esri

*GIS for Building and Managing Infrastructure* presents a collection of maps that showcase how GIS can be implemented to help develop, manage, and present infrastructure projects. This book demonstrates how GIS can aid processes and promote transparency by providing a single data source from which to work. Featuring maps from a range of technical support structures, including electric and gas utilities, public works, and renewable energy, this book is a reference for anyone involved in the infrastructure industry.

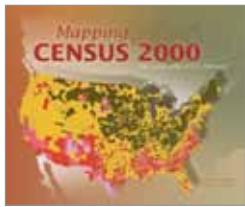


ISBN: 9781589482098  
Part Number: 111771  
\$39.95 USD 88 pages  
10 x 11 inches Paperback  
2010 Media: None

### Mapping Forestry

Peter Eredics

*Mapping Forestry* describes how GIS software supports the business of forestry in today's era of economic changes, increased global competition, and diminishing resources. In scenarios from around the world, foresters share how they use GIS maps and analysis to manage commercial operations and sustainable stewardship. *Mapping Forestry* contains 20 chapters of full-color maps featuring detailed descriptions of the types of GIS analysis that they represent, making it an excellent reference for forestry professionals.



ISBN: 9781589480148  
Part Number: 86788  
\$19.95 USD 120 pages  
12 x 11 inches  
Paperback 2001  
Media: None

**Mapping Census 2000**  
*The Geography of U.S. Diversity*  
Cynthia A. Brewer and Trudy A. Suchan  
The 2000 Census included new and expanded categories of racial and ethnic identity by which U.S. residents could accurately identify themselves. In addition, it was the first time that residents were allowed to identify themselves as belonging to multiple ethnic categories, resulting in a more accurate portrait of the population. *Mapping Census 2000: The Geography of U.S. Diversity* presents this key set of data in vivid, full-color map images created with GIS technology. The result is a precise and comprehensive atlas of American diversity.

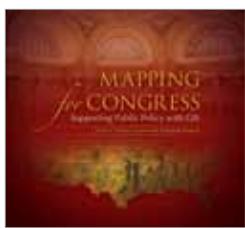


ISBN: 9781589480803  
Part Number: 91991  
\$26.95 USD 172 pages  
12 x 11 inches Paperback  
2004 Media: None

### Mapping the Future of America's National Parks

Stewardship through Geographic Information Systems

Mark Henry and Leslie Armstrong, editors  
Filled with colorful maps, charts, and photographs, *Mapping the Future of America's National Parks* illustrates how GIS technology is used in the effort to repair trails and roads, locate artifacts, restore American battlefields, guide development, understand wildfires, and protect fragile lands. The stories provide detailed examples of how dedicated GIS specialists, scientists, and researchers in the National Park Service are mapping and preserving America's most special places for future generations.



ISBN: 9781589481459  
Part Number: 101862  
\$14.95 USD 92 pages  
11 x 10 inches Paperback  
2007 Media: None

**Mapping for Congress**  
*Supporting Public Policy with GIS*  
Nancy Sappington, editor, with Christopher Thomas, Milton Ospina, Brent Roderick, Ray Carnes, Michael Law, and Polly Barbee  
Mapping for Congress illustrates how GIS technology is used to provide policy makers and citizens with information about public policy issues in the form of a map. The book profiles the work of the Library of Congress Geography and Map Division's Congressional Cartography Program, detailing how Library of Congress GIS professionals are able to help members of Congress and congressional staff understand public policy issues in a geographic context.



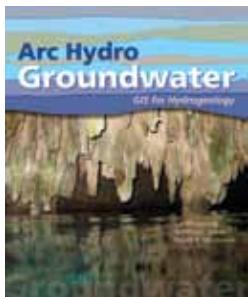
ISBN: 9781589480438  
Part Number: 89904  
\$79.95 USD 140 pages  
11.5 x 17.5 inches  
Hardcover 2002  
Media: None

### Salton Sea Atlas

Redlands Institute,  
University of Redlands, editor

The Salton Sea is a nexus of extraordinary social, political, and elemental forces. The diversity of competing interests in this unique Southern California ecosystem makes common understanding of the relationships among the natural environment, cultural context, and social values a paramount concern. *Salton Sea Atlas* presents an authoritative but accessible look at this unique inland sea—its physical geography, geological and cultural history, and fragile ecology.

## GIS Case Studies and Data Models for Industry



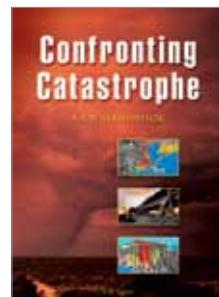
ISBN: 9781589480346  
 Part Number: 93681  
 \$59.95 USD 224 pages  
 7.5 x 9 inches Paperback  
 2002 Media: Tools and sample data CD

## Arc Hydro

## GIS for Water Resources

David R. Maidment, editor

In recent years, the field of hydrology has been transformed as GIS is increasingly used to model and analyze the dynamic hydrology at work on the planet. *Arc Hydro: GIS for Water Resources* is the definitive book on the Arc Hydro Data Model, a sophisticated template designed to help hydrologists and scientists from other disciplines develop data models in their own areas of study.



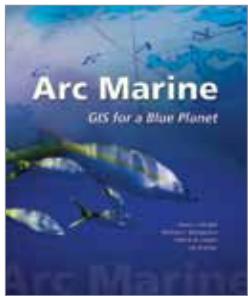
ISBN: 9781589480407  
 Part Number: 89531  
 \$14.95 USD 156 pages  
 6 x 9 inches Paperback  
 2002 Media: None

## Confronting Catastrophe

## A GIS Handbook

R. W. Greene

Using real-world lessons, *Confronting Catastrophe* demonstrates how the digital mapping and analysis tools of GIS technology can be critical for comprehensive preparation and quick response to disastrous events. This is an essential, hands-on manual for GIS practitioners and decision makers alike whose communities face the threat of large-scale disasters.

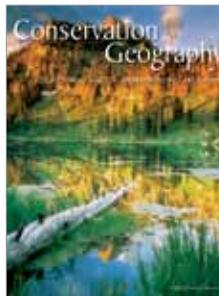


ISBN: 9781589480179  
 Part Number: 102975  
 \$47.95 USD 216 pages  
 7.5 x 9 inches Paperback  
 2007 Media: None

## Arc Marine

## GIS for a Blue Planet

Dawn J. Wright, Michael J. Blongewicz, Patrick N. Halpin, and Joe Breman  
*Arc Marine: GIS for a Blue Planet* presents the initial results of a successful effort to create and define a data model for the marine community. The data model not only provides structure for storing and analyzing marine data but also helps users create maps and 3D scenes of the marine environment in ways invaluable to decision making.



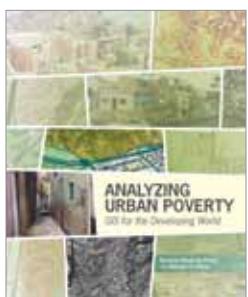
ISBN: 9781589480247  
 Part Number: 87905  
 \$19.95 USD 252 pages  
 8.5 x 11 inches Paperback  
 2001 Media: None

## Conservation Geography

## Case Studies in GIS, Computer Mapping, and Activism

Charles Convis Jr., editor

*Conservation Geography* demonstrates how GIS technology is revolutionizing the work of nonprofit organizations and conservation groups worldwide as they rush to save the earth's plants, animals, and natural resources. Their endeavors, as described in these pages, portray conservation in its broadest sense, showing how the power of computers and GIS is transforming the way environmental problems and conservation issues are identified and resolved.



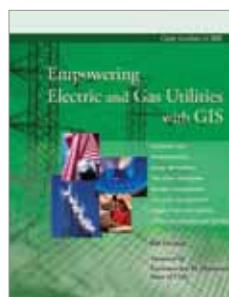
ISBN: 9781589481510  
 Part Number: 102828  
 \$29.95 USD 148 pages  
 7.5 x 9 inches Paperback  
 2008 Media: None

## Analyzing Urban Poverty

## GIS for the Developing World

Rosario Giusti de Pérez and Ramón A. Pérez

In developing countries, squatter developments that house more than one-third of the urban population are without infrastructure and built from materials at hand. *Analyzing Urban Poverty: GIS for the Developing World* demonstrates how GIS can be used to improve quality of life in poor urban areas. With 30 years of experience using GIS technology to manage urban problems in Venezuelan barrios, the authors describe how they developed sustainable solutions that go beyond conventional planning programs.



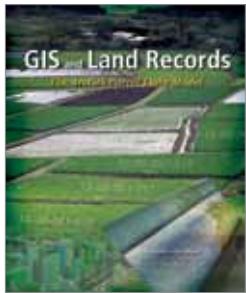
ISBN: 9781589480254  
 Part Number: 94784  
 \$34.95 USD 225 pages  
 7.5 x 9 inches Paperback  
 2007 Media: None

## Empowering Electric and Gas Utilities with GIS

Bill Meehan

Electric and gas utilities shoulder enormous responsibilities to their customers, shareholders, government regulators, and the environment, ever aware of the critical role they play in keeping homes heated, factories running, and cities illuminated. An enterprise GIS can transform utilities by raising efficiency and lowering costs while enhancing communication and decision-making processes.

*Empowering Electric and Gas Utilities with GIS* details the dramatic difference an enterprise GIS can make to a power provider of any size.



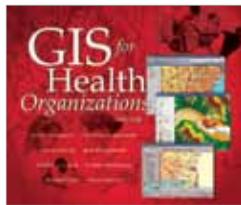
ISBN: 9781589480773  
Part Number: 91806  
\$34.95 USD 184 pages  
7.5 x 9 inches Paperback  
2004 Media: None

### GIS and Land Records

The ArcGIS Parcel Data Model

Nancy von Meyer

This definitive book illuminates the data model developed as a framework for land record information in an ArcGIS environment. *GIS and Land Records: The ArcGIS Parcel Data Model* describes applications and uses for parcel information in an ArcGIS geodatabase. The parcel data model is more than a conceptual framework. It captures the collective experience gained from more than 20 years of managing parcel information using GIS and shows how the parcel data can be easily customized to satisfy different situations.

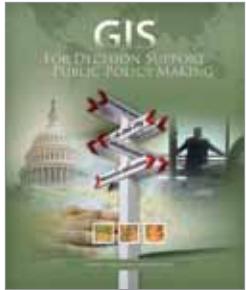


ISBN: 9781879102651  
Part Number: 90343  
\$19.95 USD 112 pages  
9 x 7.5 inches Paperback  
2000 Media: None

### GIS for Health Organizations

Laura Lang

The case studies in this collection illustrate how GIS technology has become an invaluable tool that aids in the effort to provide more efficient and appropriate health management options to patients. GIS assists health professionals with tracking the spread of infectious disease, determining sites for new hospitals, mapping the demand for future health care needs, and even marketing pharmaceuticals. *GIS for Health Organizations* clearly demonstrates how GIS technology allows physicians, insurance providers, hospitals, epidemiologists, researchers, and HMO executives to focus resources to meet the needs of those in their care.

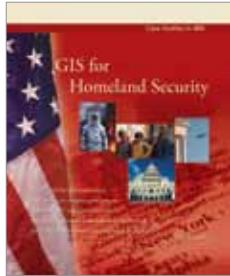


ISBN: 9781589482319  
Part Number: 113178  
\$24.95 USD 204 pages  
7.5 x 9 inches Paperback  
2009 Media: None

### GIS for Decision Support and Public Policy Making

Christopher Thomas and  
Nancy Humenik-Sappington

Elected officials and department heads are increasingly relying on GIS technology to make efficient and accurate decisions when and where it counts. *GIS for Decision Support and Public Policy Making* presents 27 case studies and eight exercises that demonstrate the positive impact of incorporating GIS methodology in daily operations of the public sector. Discover how GIS has improved communication, collaboration, and decision making in the organizations featured in this book.



ISBN: 9781589481558  
Part Number: 102980  
\$24.95 USD 150 pages  
7.5 x 9 inches Paperback  
2007 Media: None

### GIS for Homeland Security

Mike Kataoka

*GIS for Homeland Security* provides general overviews of how GIS technology is used for gathering and analyzing intelligence, protecting critical infrastructure, responding to complex emergencies, preparing for disease outbreaks and bioterrorism, securing complex events, and simulating disasters. A final chapter looks ahead at the growing role of GIS in homeland security. Each chapter includes three case studies that illuminate the topic with specific real-world examples.

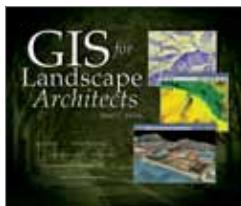


ISBN: 9781589481428  
Part Number: 100709  
\$24.95 USD 208 pages  
9 x 7.5 inches Paperback  
2006 Media: None

### GIS for Environmental Management

Robert Scally

In *GIS for Environmental Management*, Robert Scally has compiled the firsthand experiences of scientists and GIS experts throughout the world to examine how dedicated environmental professionals use GIS technology to preserve and renew critical ecosystems to benefit wildlife as well as human lives. Biologists, geologists, conservationists, and others responsible for managing and protecting the environment increasingly rely on GIS to deal with a range of environmental issues, including biodiversity and pollution, coastal zone management, and change detection.



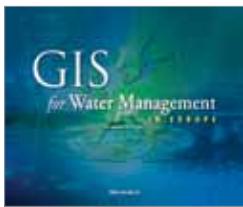
ISBN: 9781879102644  
Part Number: 94302  
\$19.95 USD 122 pages  
9 x 7.5 inches Paperback  
1999 Media: None

### GIS for Landscape Architects

Karen C. Hanna

*GIS for Landscape Architects* proves that GIS technology is no longer the exclusive realm of geographers and scientists. Using GIS to create visual frameworks for gathering, interpreting, and sharing spatial data and information has helped the landscape professionals featured in this book accomplish a wide range of challenging goals. The case studies in this volume demonstrate how GIS technology can be applied to the preparation of a comprehensive plan for a historic streetscape, the creation of a site design for a major vacation resort, and the successful design and management of a recreation area, among other tasks.

## GIS Case Studies and Data Models for Industry

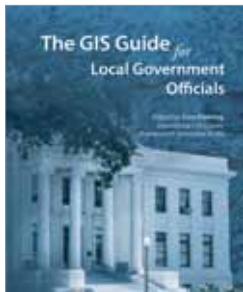


ISBN: 9781589480766  
 Part Number: 93590  
 \$19.95 USD 156 pages  
 9 x 7.5 inches Paperback  
 2004 Media: None

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Mike Bedford

On the European continent, a common physical geography means common problems in natural resources and environmental management that require a unified approach to finding solutions. Nations already geographically unified are becoming even more closely bound in other ways: administratively, politically, and economically. The case studies examined in *GIS for Water Management in Europe* recount the myriad imaginative ways that European organizations, agencies, and governments are using GIS technology to bring unity to a diverse group of problems.

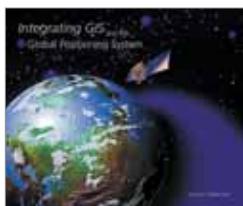


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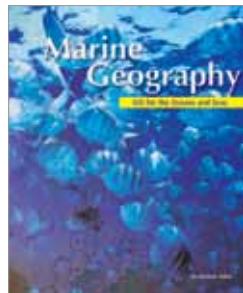


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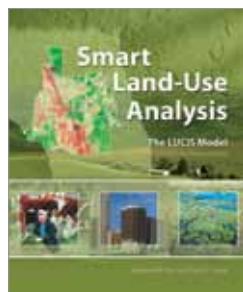
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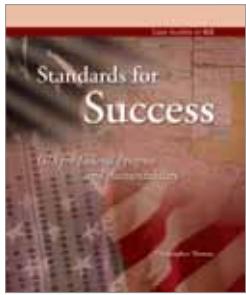
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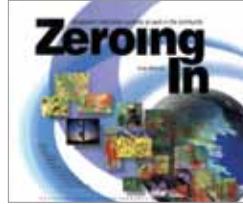


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Christopher Thomas

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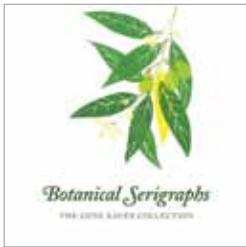


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**Zeroing In**  
Geographic Information Systems at  
Work in the Community

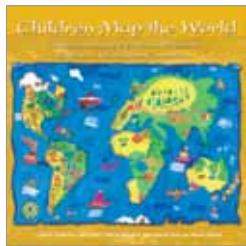
Andy Mitchell

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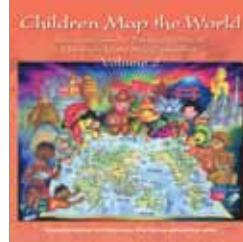
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**Jackie Anderson, Jeet Atwal, Patrick Wiegand, and Alberta Auringer Wood, editors**  
*Children Map the World* includes award-winning entries, runners-up, and additional maps that reflect core values in surprisingly subtle and complex expressions. The messages embedded in these maps and the honesty of these children's creations make them not only accessible but also inspirational.



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**Larry E. Burgess and Nathan D. Gonzales**  
 Redlands, known as the jewel of Southern California's Inland Empire, has prospered as the result of a strong tradition of civic responsibility. *Faithfully and Liberally Sustained* presents this rich tradition through stunning historical photographs, engaging narrative, and compelling commentary from citizens who continue to serve the community. Redlands archivists Larry E. Burgess and Nathan D. Gonzales vividly recount the stories behind the gifts that make Redlands a testament to the continuing spirit of philanthropy.

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