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2012–2013

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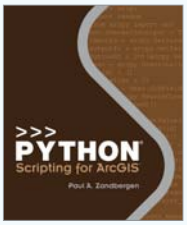

For ArcGIS Users

Python Scripting for ArcGIS
Gain a great introduction to using Python® with ArcGIS®.
Learn more on page 5.

For GIS Learners

Getting to Know ArcGIS for Desktop, Third Edition
Work through completely new exercises in this popular GIS text.
Learn more on page 7.

For Higher Education

SpatiaLABS
Save time creating course labs and supplement your students' learning experience with these customizable, easy-to-use, computer-based labs.
Learn more on page 29.

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About Esri Press
Esri Press publishes books about the science, application, and technology of geographic information systems (GIS). Using the latest software and data from Esri, the world leader in GIS technology, Esri Press books are ideal for both individual study and classroom and lab settings. Esri Press supports the global community with publications that advance geographic understanding, literacy, and learning in all endeavors, including education, business, government, and health care.

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\\ **Frontlist :** New Titles

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Measuring Up: The Business Case for GIS, Volume 2

GIS and Cartographic Modeling

Economic Development and GIS

Python Scripting for ArcGIS

GIS Tutorial 2: Spatial Analysis Workbook, 10.1 Edition

Conservation Planning: Shaping the Future

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Mapping the Nation: Pioneering a New Platform for Government

GIS Tutorial 1: Basic Workbook, 10.1 Edition

Enabling Comprehensive Situational Awareness

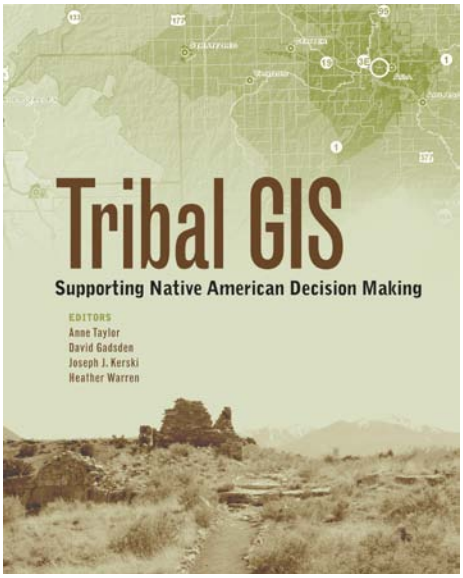
Modeling Electric Distribution with GIS

Esri Map Book, Volume 28

Tribal GIS:

Supporting Native American Decision Making

Anne Taylor, David Gadsden, Joseph J. Kerski, and Heather Warren, editors



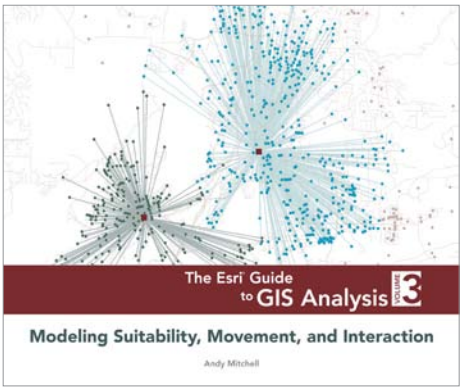
In *Tribal GIS: Supporting Native American Decision Making*, tribal leaders tell their stories about implementing and using geographic information systems to address their unique challenges as sovereign nations. This book covers applications in natural resources and the environment, transportation, cultural and historical preservation, economic development, health, education, public safety, and agriculture. Showing how tribal governments—responsible for the stewardship of their land and resources and the health and well-being of their people—use enterprise GIS to make decisions, *Tribal GIS* supports tribes that are new to GIS as well as those with GIS experience.

ISBN: 9781589483200
Part Number: 126988
$19.95 USD
174 pages
8 x 10 inches
Paperback
June 2012

The Esri Guide to GIS Analysis, Volume 3:

Modeling Suitability, Movement, and Interaction

Andy Mitchell



The Esri Guide to GIS Analysis, Volume 3: *Modeling Suitability, Movement, and Interaction* describes practical applications of modeling concepts in a geographic information system. This book shows readers how they can explore spatial interaction, site selection, routing, and scheduling and explains how to best interpret the results of the analyses. With full-color maps and illustrations and sample applications, this book will help students studying GIS and professional GIS analysts better use models to evaluate locations and analyze movement.

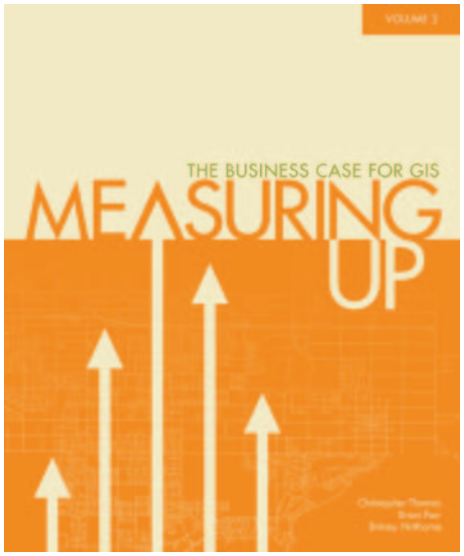
Print
ISBN: 9781589483057
Part Number: 124351
$44.95 USD
432 pages
9 x 7.5 inches
Paperback
July 2012

E-book
ISBN: 9781589483392
$44.95 USD

Measuring Up:

The Business Case for GIS, Volume 2

Christopher Thomas, Brian Parr, and Britney Hinthorne

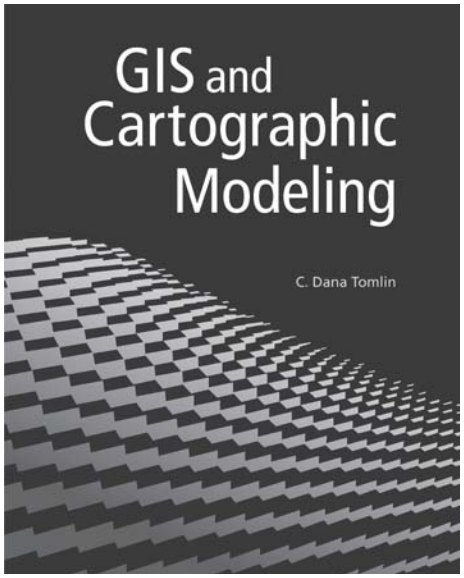


Measuring Up: The Business Case for GIS, Volume 2, is a collection of real-world stories from government agencies that have successfully used GIS technology to meet business goals. Chapters focus on how implementing automated GIS workflow and resource management solutions helps organizations save time and money, increase accuracy and efficiency, and maximize productivity and revenue. The articles in this collection illustrate how GIS is being utilized to implement new, more efficient business processes and show how these emerging practices have improved communities and organizations. This volume contains over 50 color illustrations.

ISBN: 9781589483101
Part Number: 125833
$19.95 USD
128 pages
7.5 x 9 inches
Paperback
August 2012

GIS and Cartographic Modeling

C. Dana Tomlin



GIS and Cartographic Modeling is a foundational work in the field of geographic information systems. An introduction to the concepts, conventions, and capabilities of map algebra as a general language, this book describes the analytical use of raster-based GIS. By focusing on the fundamentals of cartographic modeling techniques, C. Dana Tomlin illustrates concepts that can be applied to any GIS. This publication of *GIS and Cartographic Modeling* contains updated graphics and a new preface.

Print
ISBN: 9781589483095
Part Number: 125359
$45.95 USD
204 pages
8 x 10 inches
Paperback
October 2012

E-book
ISBN: 9781589483316
$45.95 USD

Economic Development and GIS

J. M. Pogodzinski and Richard M. Kos, AICP

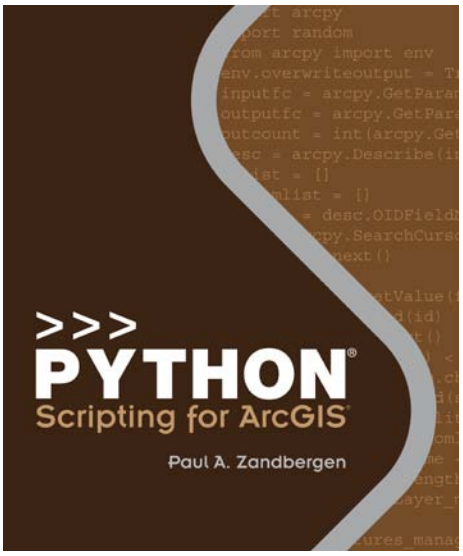
Economic Development and GIS shows why geographic information system software is an essential tool for economic development planning and analysis. This book describes economic development policy problems and then follows with methods and techniques to solve them with GIS. Featuring Esri® Business Analyst™ for Desktop, Esri Business Analyst Online℠, and spatial statistics extensions in ArcGIS for Desktop, *Economic Development and GIS* serves as a reference for economic development decision making.

Print
ISBN: 9781589482180
Part Number: 112239
$65.95 USD
240 pages
8 x 10 inches
Paperback
November 2012

E-book
ISBN: 9781589483323
$65.95 USD

Python Scripting for ArcGIS

Paul A. Zandbergen



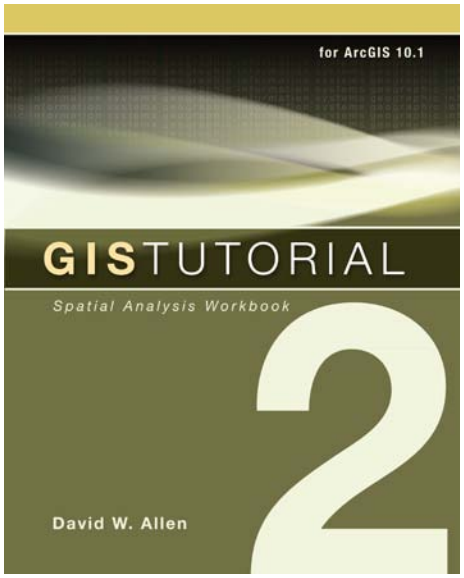
Python Scripting for ArcGIS is a guide for experienced users of ArcGIS for Desktop to get started with Python scripting without needing a programming background. Experience with other scripting or programming languages (Perl, VBA, VBScript, Java, C++) is helpful but not required. Readers are expected to have good general ArcGIS skills and a basic understanding of geoprocessing procedures. There are 14 chapters with corresponding exercises on an accompanying DVD. Also included is access to a 180-day trial of ArcGIS 10.1 for Desktop.

ISBN: 9781589482821
Part Number: 122269
$79.95 USD
460 pages
8 x 10 inches
Paperback with data DVD
January 2013

GIS Tutorial 2:

Spatial Analysis Workbook, 10.1 Edition

David W. Allen



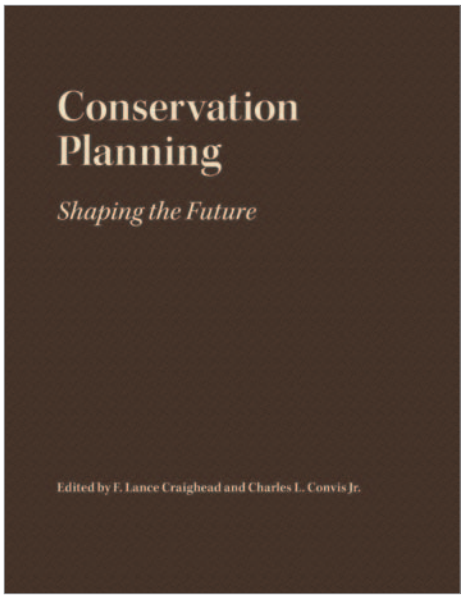
GIS Tutorial 2: Spatial Analysis Workbook, 10.1 Edition, provides hands-on exercises to help GIS users at the intermediate level build problem-solving and analysis skills. A companion to the concepts in the Esri Guide to GIS Analysis book series, *GIS Tutorial 2* offers experience with various spatial analysis methods, including location analysis; change over time, location, and value comparisons; geographic distribution; pattern analysis; and cluster identification. This edition includes access to a 180-day trial of ArcGIS 10.1 for Desktop Advanced software and a DVD with data for working through the exercises. Additional resources are available for instructors.

ISBN: 9781589483378
Part Number: 129684
$79.95 USD
330 pages
8 x 10 inches
Paperback with data DVD
January 2013

Conservation Planning:

Shaping the Future

F. Lance Craighead and Charles L. Convis, Jr., editors

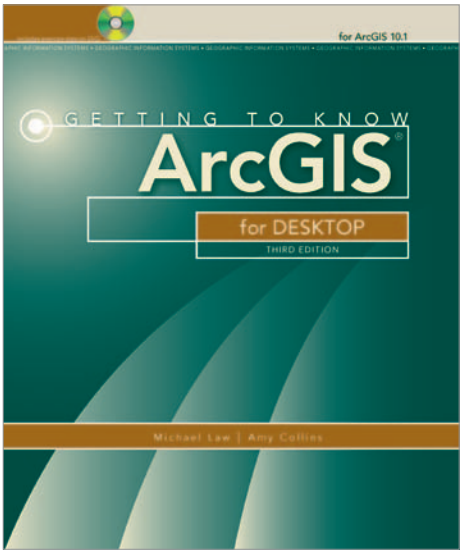


Conservation Planning: Shaping the Future is a collection of contributed chapters that show how working scientists develop conservation plans using the best available scientific methods, data, and technology. Bringing a conservation focus to land management and planning, the authors show how planners creating human developments can still preserve healthy ecosystems for native wildlife by protecting habitats for key species. The book includes discussions on umbrella species, terrestrial and aquatic habitat suitability, conservation linkages, population viability, site selection, land-use trends, climate-change trends, and making decisions for long-term conservation planning.

ISBN: 9781589482630
Part Number: 117571
$119.95 USD
600 pages
8.375 x 10.875 inches
Paperback
February 2013

Getting to Know ArcGIS for Desktop, Third Edition

Michael Law and Amy Collins



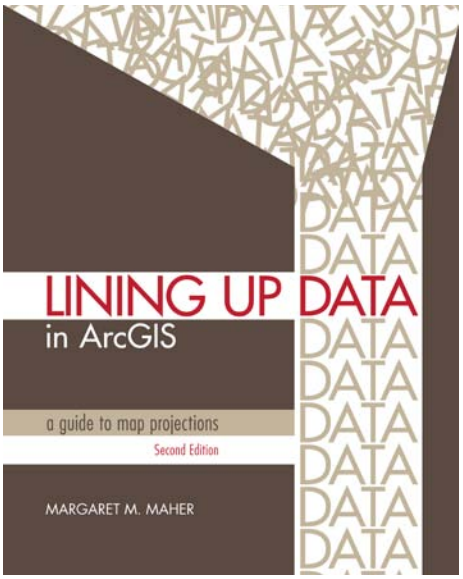
Getting to Know ArcGIS for Desktop is a workbook that introduces the principles of GIS via hands-on exercises. Readers are shown how to use ArcGIS for Desktop software tools to display and present maps and data and then query and analyze the data. In the third edition, the book has been reorganized; includes new topics such as exploring online resources and raster data; and contains new exercises, data, and learning tools. Known for its broad scope, clarity, and reliability, *Getting to Know ArcGIS for Desktop* is equally well suited for classroom use, in independent study, and as a reference. A data DVD for working through the exercises is included with the book, and access to a 180-day trial of ArcGIS 10.1 for Desktop is provided.

ISBN: 9781589483088
Part Number: 124979
$84.95 USD
640 pages
7.5 x 9 inches
Paperback with data DVD
February 2013

Lining Up Data in ArcGIS:

A Guide to Map Projections, Second Edition

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 practical techniques on how to identify data projections, create custom projections to align data, and solve common data alignment problems. The second edition is compatible with ArcGIS 10.1 and includes new sections on aligning CAD data and appropriate use of the web Mercator projection. This book will benefit novice and experienced GIS users alike.

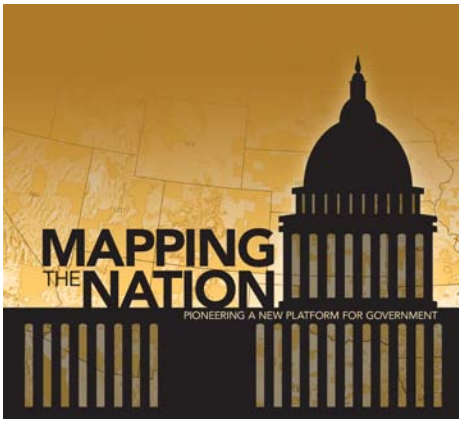
Print
ISBN: 9781589483422
Part Number: 131814
$24.95 USD
200 pages
8 x 10 inches
Paperback
February 2013

E-book
ISBN: 9781589483439
$24.95 USD

Mapping the Nation:

Pioneering a New Platform for Government

Esri



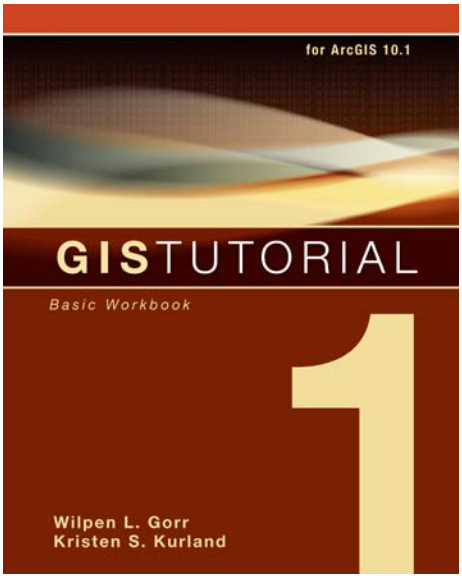
Mapping the Nation: Pioneering a New Platform for Government is a collection of maps developed by US federal agencies using both desktop and web-based geographic information system tools and applications. The book shows how these tools are used daily by federal employees, officials, and—in some cases—the public to gather, analyze, and respond to questions and challenges that range from the common to the catastrophic. More than 25 agencies across nine US departments have contributed maps on subjects such as ecoregions, disaster planning, census distributions, hydrography, and pollution remediation. This book demonstrates how governments' use of GIS encourages citizen involvement, fosters understanding among divergent perspectives, and offers a new platform from which to compare and exchange information.

ISBN: 9781589483347
Part Number: 128995
$19.95 USD
112 pages
11 x 10 inches
Paperback
February 2013

GIS Tutorial 1:

Basic Workbook, 10.1 Edition

Wilpen L. Gorr and Kristen S. Kurland

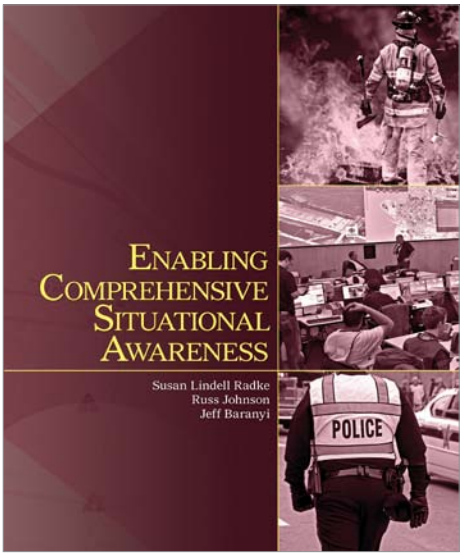


GIS Tutorial 1: Basic Workbook is a top-selling introductory text for learning to use ArcGIS for Desktop. This workbook presents GIS tools and functionality, including querying interactive maps, collecting data, and running geoprocessing tools. Its detailed exercises, Your Turn sections, and homework assignments can be adapted to learning GIS in a classroom or through independent study. Also included is access to a 180-day trial of ArcGIS 10.1 for Desktop Advanced software and a DVD with data for working through the exercises. Instructor resources are available.

ISBN: 9781589483354
Part Number: 129467
$79.95 USD
440 pages
8 x 10 inches
Paperback with data DVD
April 2013

Enabling Comprehensive Situational Awareness

Susan Lindell Radke, Russ Johnson, and Jeff Baranyi

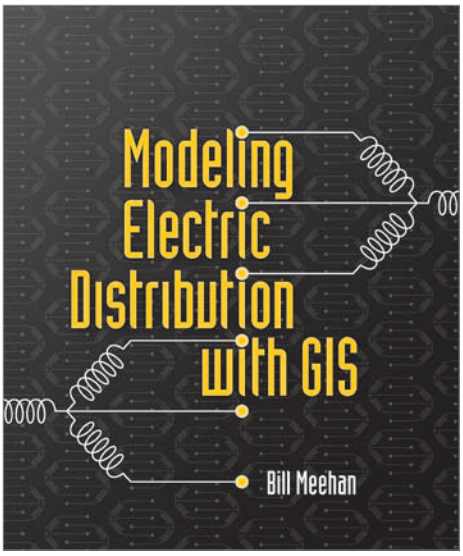


Enabling Comprehensive Situational Awareness explains how and why an integrated emergency management common operating platform can help save lives and mitigate loss during crises and disasters. A geographic information system embedded in this platform is the key tool used by emergency management professionals to analyze extensive spatial data collections as well as immediate, field-level data. The book explains how this platform gives decision makers the overview necessary to coordinate efforts across agencies and jurisdictions and develop collaborative mitigation and recovery plans. An implementation guide for building a GIS in a common operating platform is included.

ISBN: 9781589483064
Part Number: 124362
$18.95 USD
168 pages
7.5 x 9 inches
Paperback
June 2013

Modeling Electric Distribution with GIS

Bill Meehan

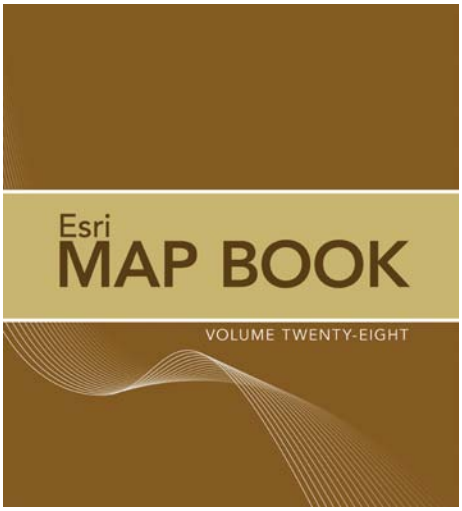


Modeling Electric Distribution with GIS shows why the successful implementation of an enterprise GIS in the electric distribution industry is based on a sound and thorough data model. For GIS managers, business executives, and information technology leaders, the book's technical information is designed for quick comprehension.

ISBN: 9781589482418
Part Number: 114758
$42.95 USD
350 pages
7.5 x 9 inches
Paperback
July 2013

Esri Map Book, Volume 28

Esri



Esri Map Book, Volume 28, shows how GIS enables change and provides innovative spatial solutions to wide-ranging issues, including those affecting business, the environment, utilities, transportation, and government. 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. Dozens of maps from distinct industries spread across many countries, regions, and cities are featured. Each map includes a description of its purpose and how it was produced. *Esri Map Book*, Volume 28, is an important collection of maps for GIS users, cartographers, collectors, and map libraries.

ISBN: 9781589483415
Part Number: 131124
$24.95 USD
120 pages
10 x 11 inches
Paperback
July 2013

\\ **Backlist :** Current Titles

GIS Technology and Reference

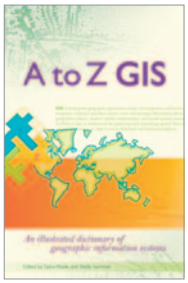
GIS Education and Training

Atlases and GIS Map Books

GIS Case Studies and Data Models for Industry

Nontechnical

GIS Technology and Reference

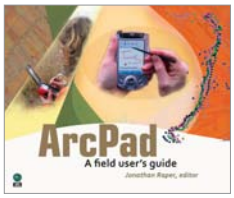


Print
ISBN: 9781589481404
Part Number: 100708
$29.95 USD 288 pages
5.25 x 8 inches
Paperback 2006

E-book
ISBN: 9781589482920
$29.95 USD

A to Z GIS:
An Illustrated Dictionary of Geographic Information Systems
Tasha Wade and Shelly Sommer, editors

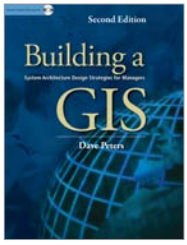
As GIS technology has evolved and grown, so has the language of this powerful tool. Written, developed, and reviewed by more than 150 subject matter experts, *A to Z GIS* is packed with more than 1,800 terms, nearly 400 full-color illustrations, and seven encyclopedia-style appendix articles about annotation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



E-book
ISBN: 9781589482890
$49.95 USD
146 pages
2009

ArcPad:
A Field User's Guide
Jonathan Raper

This is your pocket guide when using ArcPad® mobile GIS to collect and edit mapping data on the spot, in the field. This guide helps you fully prepare for your ArcPad project before you leave the office, leading you from understanding what mobile GIS is to creating a mobile system and workflow. Case studies illustrate how four companies and agencies around the globe have applied mobile GIS to local projects.



Print
ISBN: 9781589483071
Part Number: 124605
$59.95 USD 384 pages
8.375 x 10.875 inches
Paperback with DVD
2012

E-book (First Edition)
ISBN: 9781589483033
$44.95 USD

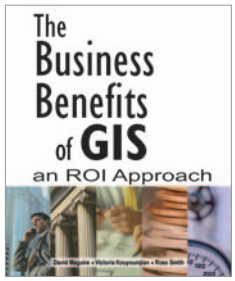
Building a GIS:
System Architecture Design Strategies for Managers, Second Edition
Dave Peters

Building a GIS, Second Edition, describes and updates a time-tested approach to system architecture design. Using the Capacity Planning Tool (included with the book's DVD), GIS managers and technical architects can try out various system configurations in theory before committing their resources. The book promotes successful GIS operations and is intended for IT experts who are adopting the technology, GIS professionals who are new to system design, and executives who need to manage change. This second edition has been thoroughly revised and restructured. DVD includes exercises and video presentations.

ISBN: 9781589482661
Part Number: 118618
$34.95 USD 108 pages
7.5 x 9 inches
Paperback 2010

Building European Spatial Data Infrastructures, Second Edition
Ian Masser

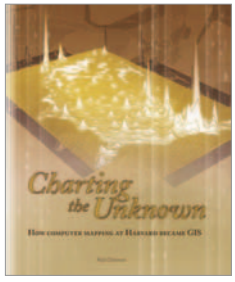
Building European Spatial Data Infrastructures explores the efforts of the European Union to create a framework for a multinational Infrastructure for Spatial Information in Europe (INSPIRE). Designed as a reference for GIS professionals and decision makers, this book presents an overview of the innovative 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: 9781589482005
Part Number: 110033
$24.95 USD 256 pages
7.5 x 9 inches
Paperback 2008

The Business Benefits of GIS:
An ROI Approach
David Maguire, Victoria Kouyoumjian, and Ross Smith

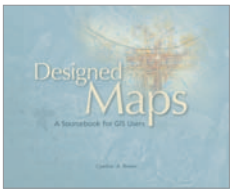
The Business Benefits of GIS presents a methodology aimed at ensuring the sustainability of GIS initiatives by effectively demonstrating the success of the investment. The methodology is based on an established framework and was adapted to combine the GIS expertise of Esri with the professional management 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: 9781589481183
Part Number: 97239
$34.95 USD 232 pages
7.5 x 9 inches
Paperback with CD
2006

Charting the Unknown:
How Computer Mapping at Harvard Became GIS
Nick Chrisman

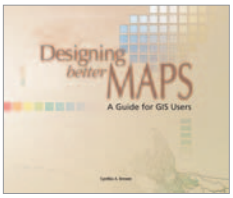
Charting the Unknown presents a history of GIS technology that takes readers back more than four decades to the Harvard Laboratory for Computer Graphics and Spatial Analysis, where a variety of professionals converged to rethink thematic mapping, spatial analysis, and what we now call GIS. The book includes 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: 9781589481602
Part Number: 103135
$39.95 USD 184 pages
10.5 x 8.5 inches
Paperback 2008

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: 9781589480896
Part Number: 91828
$34.95 USD 220 pages
9 x 7.5 inches
Paperback 2005

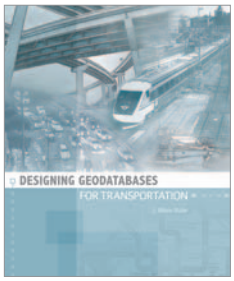
Designing Better Maps:
A Guide for GIS Users
Cynthia A. Brewer

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: 9781589480216
Part Number: 87596
$44.95 USD 408 pages
7.5 x 9 inches
Paperback 2004

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.

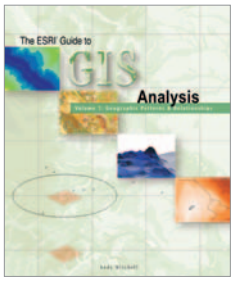


Print
ISBN: 9781589481640
Part Number: 103795
$64.95 USD 480 pages
7.5 x 9 inches
Paperback 2008

E-book
ISBN: 9781589482913
$64.95 USD

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.

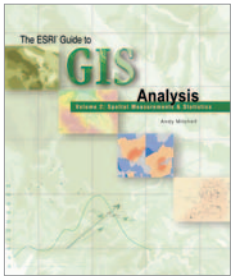


Print
ISBN: 9781879102064
Part Number: 81706
$34.95 USD 190 pages
7.5 x 9 inches
Paperback 1999

E-book
ISBN: 9781589482944
$34.95 USD

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.



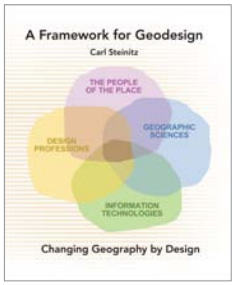
Print
ISBN: 9781589481169
Part Number: 97279
$34.95 USD 252 pages
7.5 x 9 inches
Paperback 2005

E-book
ISBN: 9781589482951
$34.95 USD

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.

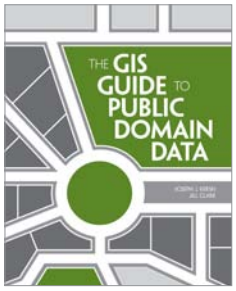
GIS Technology and Reference \\ continued



A Framework for Geodesign:
Changing Geography by Design
Carl Steinitz

A Framework for Geodesign: Changing Geography by Design presents the key concepts, history, and methodology of geodesign.

ISBN: 9781589483330
Part Number: 128588
$79.95 USD 224 pages
8.75 x 10.875 inches
Paperback 2012

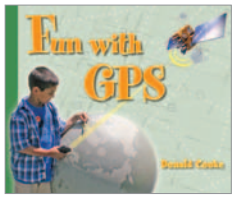


The GIS Guide to Public Domain Data
Joseph J. Kerski and Jill Clark

The GIS Guide to Public Domain Data gives users of geographic information systems relevant information about the sources and quality of available public domain spatial data. Readers will learn how to find, evaluate, and analyze data to solve location-based problems. This guide covers practical issues such as copyrights, cloud computing, online data portals, volunteered geographic information, and international data. Supplementary exercises are available online to help put the concepts into practice.

Print
ISBN: 9781589482449
Part Number: 115199
$49.95 USD 388 pages
8 x 10 inches
Paperback 2012

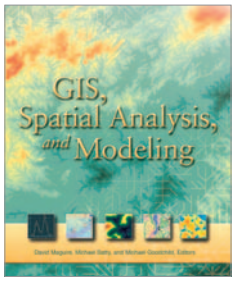
E-book
ISBN: 9781589483170
$49.95 USD



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: 9781589480872
Part Number: 96761
$19.95 USD 152 pages
10 x 8 inches
Paperback 2005



GIS, Spatial Analysis, and Modeling
David Maguire, Michael Batty, and Michael Goodchild, editors

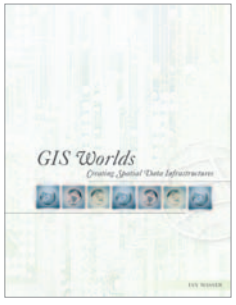
This book presents papers by leading GIS experts describing modern computerized spatial analysis and modeling. Recent advances in GIS software, along with the availability of spatially referenced data, now make possible the sophisticated modeling and statistical analysis of all types of geographic phenomena. *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: 9781589481305
Part Number: 100118
$59.95 USD 504 pages
7.5 x 9 inches
Paperback 2005

Geodesign:
Case Studies in Regional and Urban Planning
Shannon McElvaney

Geodesign: Case Studies in Regional and Urban Planning features case studies in geodesign—an emerging concept in landscape and land planning in which designers use geospatial tools that support rapid evaluation of design alternatives against the probable impacts of those designs. It also provides a framework for exploring local issues from an interdisciplinary point of view and for resolving conflicts between alternative or competing values. This book presents several case studies that exemplify key steps, processes, and technologies crucial to the advancement of geodesign.

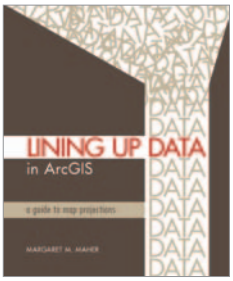
ISBN: 9781589483163
Part Number: 126723
$19.95 USD 160 pages
10 x 8 inches
Paperback 2012



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: 9781589481220
Part Number: 99274
$49.95 USD 338 pages
6.75 x 8.75 inches
Paperback 2005



Print
ISBN: 9781589482494
Part Number: 115628
$24.95 USD 200 pages
8 x 10 inches
Paperback 2010

E-book
ISBN: 9781589483255
$24.95 USD

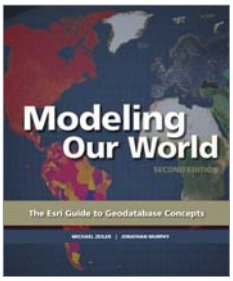
Lining Up Data in ArcGIS:
A Guide to Map Projections
Margaret M. Maher

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: 9781589482296
Part Number: 110204
$9.95 USD 274 pages
7.5 x 9 inches
Paperback 2008

Pensando en el SIG:
Planificación del Sistema de Informacion Geográfica Dirigida a Gerentes, Tercera Edición
Roger Tomlinson

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: 9781589482784
Part Number: 120718
$44.95 USD 308 pages
7.5 x 9 inches
Paperback 2010

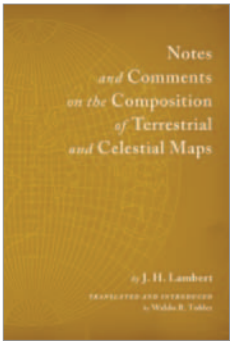
Modeling Our World:
The Esri Guide to Geodatabase Concepts, Second Edition
Michael Zeiler and Jonathan Murphy

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.

E-book
ISBN: 9781589482876
$24.95 USD
306 pages
2007

Research and Theory in Advancing Spatial Data Infrastructure Concepts
Harlan Onsrud, editor

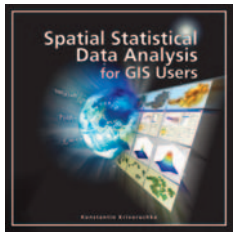
In this scholarly volume, Harlan Onsrud, former president of the Global Spatial Data Infrastructure Association, presents the latest research by renowned international experts and offers insights into possible directions in which spatial data infrastructures (SDIs) may be headed. Firmly rooted in a broad 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.



ISBN: 9781589482814
Part Number: 122115
$24.95 USD 135 pages
6 x 9 inches
Paperback 2011

Notes and Comments on the Composition of Terrestrial and Celestial Maps
J. H. Lambert, author;
Waldo R. Tobler, translator

Largely self-taught, Johann Heinrich Lambert became one of the world's preeminent mathematicians and cartographers, and his work is still relevant today. Originally published in 1772, this book was translated from German to English by Swiss-American geographer Waldo R. Tobler in 1972. It is republished by Esri Press with an expanded preface and an updated reference section. It is a classic text and a key component of any cartographic library.

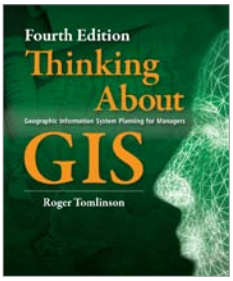


ISBN: 9781589481619
Part Number: 103087
$39.99 USD
Media kit with DVD
5 x 5 inches
2011

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.

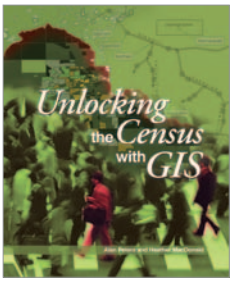
GIS Technology and Reference \\ continued



ISBN: 9781589482739
Part Number: 119833
$54.95 USD 268 pages
7.5 x 9 inches
Paperback with DVD
2011

Thinking About GIS:
Geographic Information System Planning for Managers, Fourth Edition
Roger Tomlinson

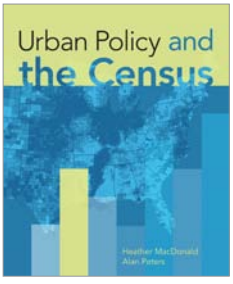
Thinking About GIS presents a planning model for designing data and technology systems that will meet any organization's needs. Designed for senior managers who oversee information technologies and technical specialists responsible for system design, this book provides a common platform on which to conduct GIS planning. The fourth edition reflects current geospatial technology trends and includes new case studies, Planning for a GIS course exercises, and a video of the Planning and Managing a GIS seminar.



ISBN: 9781589481138
Part Number: 93988
$44.95 USD 336 pages
8.5 x 9.25 inches
Paperback 2004

Unlocking the Census with GIS
Alan Peters and Heather MacDonald

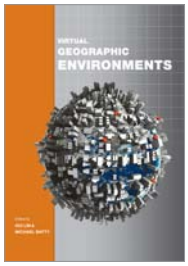
The US Census provides billions of pieces of complex data about millions of exceptionally diverse people. *Unlocking the Census with GIS* describes how GIS can be used to better access, understand, manage, and analyze census data and census-related information and present it in a spatial format. Numerous 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: 9781589482227
Part Number: 112770
$49.95 USD 200 pages
7.5 x 9 inches
Paperback 2011

Urban Policy and the Census
Heather MacDonald and Alan Peters

Urban Policy and the Census helps researchers and policy analysts gain an integrated understanding of census data and other sources of policy data, including their strengths and limitations and the best use of this data in policy research. Researchers will be able to critically assess decennial census and American Community Survey data, which can be the starting point for spatial analysis for realistic policy planning and decision making.

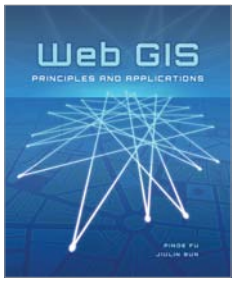


Print
ISBN: 9781589483187
Part Number: 126840
$49.95 USD 364 pages
7.25 x 10.25 inches
Paperback 2011

E-book
ISBN: 9781589483248
$49.95 USD

Virtual Geographic Environments
Hui Lin and Michael Batty, editors

Virtual Geographic Environments collects key papers that define the current momentum in GIS and virtual geographies. Contributions by leading members of the geospatial community illustrate the cutting edge of GIScience, as well as new applications of GIS with the processing and delivery of geographic information via the web and handheld devices, forming two major directions to these developments. The book's four-part organization starts with a primer on virtual geographic environments (VGEs) and moves on to virtual cities and landscapes; interface design and public participation; and finally, mobile and networked VGEs.

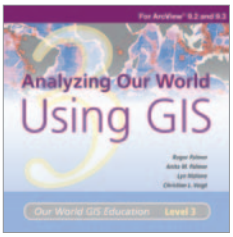


ISBN: 9781589482456
Part Number: 115391
$55.95 USD 312 pages
7.5 x 9 inches
Paperback 2010

Web GIS:
Principles and Applications
Pinde Fu and Jiulin Sun

Web GIS offers a balance of principles, concepts, and techniques to guide readers at any skill level toward an understanding of how the World Wide Web can expand and modernize the way GIS technology is used. New web technologies and research areas addressed in the book include web GIS servers; REST services; JavaScript™, Adobe® Flex™, and Microsoft Silverlight® APIs; cloud computing and cloud GIS; geodesign; mobile GIS; mashups; volunteered geographic information (VGI); geoportals; geocollaboration; and next-generation national spatial data infrastructures (NSDI).

GIS Education and Training



ISBN: 9781589482760
Part Number: 120655
$19.95 USD
5 x 5 inches
Media kit with CD and DVD
2010

Analyzing Our World Using GIS Media Kit:
Our World GIS Education, Level 3
Roger Palmer, Anita M. Palmer, Lyn Malone, and Christine L. Voigt

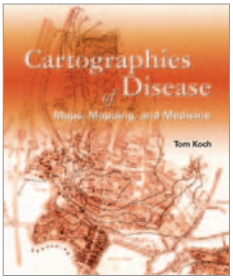
Analyzing Our World Using GIS is geared to high school curriculum. The 10 lessons combine step-by-step instructions with the critical thinking and open-minded exploration inherent in GIS. Building on students' fluency with tabular and raster GIS data, the curriculum enhances the topics covered in *Mapping Our World Using GIS* and includes political and economic geography, geology, climate, population patterns, and current issues. It includes teacher resources, data, lesson handouts and a one-year trial of ArcView® 9.3 software.

Print
ISBN: 9781589480261
Part Number: 102976
$59.95 USD 434 pages
7.125 x 10.125 inches
Paperback 2007

E-book
ISBN: 9781589483279
$59.95 USD

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

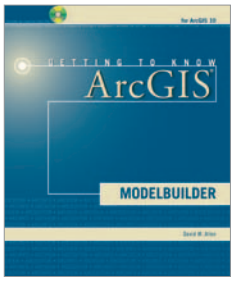
Cartographies of Disease:
Maps, Mapping, and Medicine
Tom Koch

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: 9781589482609
Part Number: 117270
$79.95 USD 604 pages
7.5 x 9 inches
Paperback with data CD
2010

Getting to Know ArcGIS Desktop, Second Edition, Updated for ArcGIS 10
Tim Ormsby, Eileen J. Napoleon, Robert Burke, Carolyn Groessl, and Laura Bowden

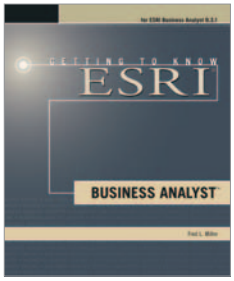
Getting to Know ArcGIS Desktop introduces principles of GIS as it teaches the mechanics of using Esri's leading technology. Key concepts are combined with detailed illustrations and step-by-step exercises to acquaint readers with the building blocks of ArcGIS 10 for Desktop. Its broad scope, simple style, 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 10 for Desktop are included with the book.



ISBN: 9781589482555
Part Number: 117162
$79.95 USD 336 pages
7.5 x 9 inches
Paperback with data DVD
2011

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.

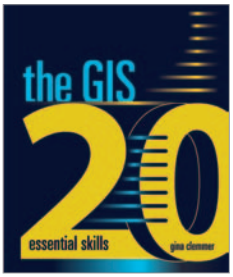


ISBN: 9781589482357
Part Number: 113566
$79.95 USD 352 pages
7.5 x 9 inches
Paperback with data DVD
2010

Getting to Know Esri Business Analyst
Fred L. Miller

This workbook is for business professionals and analysts who need to better understand their customers and markets. It is a primer for Esri Business Analyst, a suite of products that merges Esri's demographic and business data, detailed maps, and advanced spatial analytics with an organization's data to help users make better business decisions. The book teaches readers to perform a range of analyses, including trade area analysis, site selection, and customer profiling and segmentation, to reveal patterns, trends, and business opportunities.

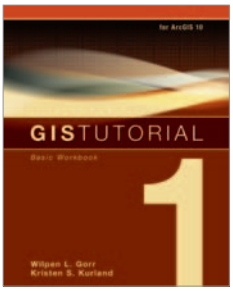
GIS Education and Training \\ continued



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

The GIS 20:
Essential Skills
Gina Clemmer

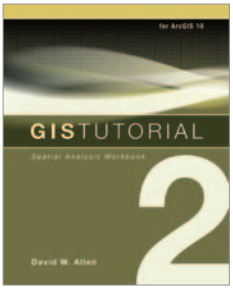
Inspired by a poll of 500 GIS practitioners, *The GIS 20: Essential Skills* is an easy-to-understand guide that emphasizes 20 skills most people need to master to be successful using GIS. A quick and comprehensive introduction to GIS fundamentals, this book includes a data CD for completing the exercises.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



ISBN: 9781589482593
Part Number: 117292
$79.95 USD 428 pages
8 x 10 inches
Paperback with data and software DVDs
2010

GIS Tutorial 1:
Basic Workbook, Fourth Edition
Wilpen L. Gorr and Kristen S. Kurland

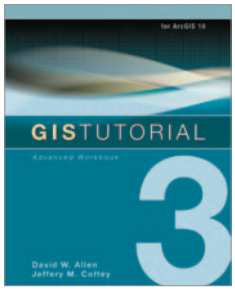
GIS Tutorial 1: Basic Workbook provides effective GIS training in a step-by-step format. This book combines ArcGIS tutorials with independent exercises to gradually advance your GIS skills, from creating maps and collecting data to using geoprocessing tools and models and the ArcGIS 3D Analyst™ and ArcGIS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



ISBN: 9781589482586
Part Number: 117282
$79.95 USD 340 pages
8 x 10 inches
Paperback with data and software DVDs
2010

GIS Tutorial 2:
Spatial Analysis Workbook, Second Edition
David W. Allen

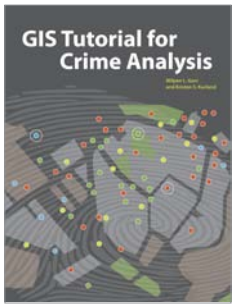
GIS Tutorial 2: Spatial Analysis Workbook includes exercises that help GIS users at the intermediate level continue to build problem-solving and analysis skills. Inspired by the Esri Guide to GIS Analysis book series, *GIS Tutorial 2* provides a system to help you develop proficiency in various spatial 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. Instructor resource DVD is available with desk copy request.



ISBN: 9781589482074
Part Number: 111229
$79.95 USD 412 pages
8 x 10 inches
Paperback with data and software DVDs
2010

GIS Tutorial 3:
Advanced Workbook
David W. Allen and Jeffery M. Coffey

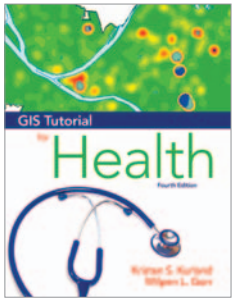
GIS Tutorial 3: Advanced Workbook features exercises that utilize more of the complex capabilities of ArcGIS. Following the standard tutorial format, this workbook is divided into four sections that cover framework design for a complex geodatabase, working with data, workflow optimization, and labeling 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. Instructor resource DVD is available with desk copy request.



ISBN: 9781589482142
Part Number: 112212
$79.95 USD 296 pages
8.375 x 10.875 inches
Paperback with data DVD
2011

GIS Tutorial for Crime Analysis
Wilpen L. Gorr and Kristen S. Kurland

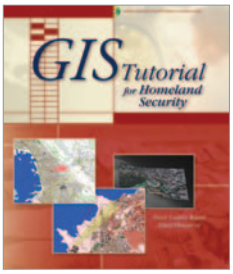
GIS Tutorial for Crime Analysis is a crime-mapping workbook for analysts and students of criminology. This book combines step-by-step tutorials with independent exercises to introduce key GIS skills, including data preparation, template building, and map production automation. Exercises teach readers skills needed in police departments across the nation. In addition to the exercises, this book includes a 180-day trial version of ArcGIS 10 for Desktop software and exercise data. An instructor resource DVD is available on request.



ISBN: 9781589483132
Part Number: 126587
$79.95 USD 466 pages
8 x 10 inches
Paperback with data DVD
2012

GIS Tutorial for Health, Fourth Edition
Kristen S. Kurland and Wilpen L. Gorr

In its fourth edition, *GIS Tutorial for Health* is fully revised and updated for ArcGIS 10 for Desktop software. To better support skill building and GIS analysis, this workbook features extended introductions to 11 tutorials addressing significant issues of health care and policy planning. Step-by-step exercises cover health map basics, data preparation for maps, and spatial analysis of health issues using GIS. Complete with a 180-day trial of ArcGIS 10 for Desktop and exercise datasets, this book is valuable for classroom as well as individual use. Instructor resources are available.



ISBN: 9781589481886
Part Number: 108100
$79.95 USD 448 pages
8.375 x 10.875 inches
Paperback with data and software DVDs
2008

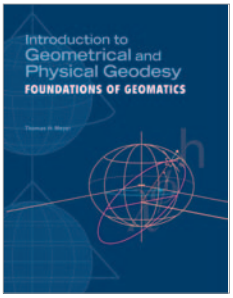
GIS Tutorial for Homeland Security
Susan Lindell Radke and Eddie Hanebuth

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. It includes a 180-day trial of ArcGIS 9.3.

ISBN: 9781589482135
Part Number: 111769
$79.95 USD 380 pages
8.375 x 10.875 inches
Paperback with data and software DVDs
2010

GIS Tutorial for Humanitarian Assistance
Firoz Verjee

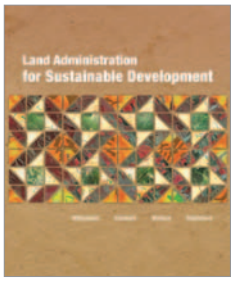
GIS Tutorial for Humanitarian Assistance uniquely illustrates how ArcGIS, Esri's leading GIS technology, can be used to improve situational awareness during humanitarian emergencies, optimizing the impact of goods and services to populations at risk. Developed for members of the humanitarian relief community, this workbook moves you from the role of casual observer to involved investigator as you learn to apply complex analysis skills to real-world problems around the globe. Includes 180-day trial of ArcGIS Desktop 9.3.1.



ISBN: 9781589482159
Part Number: 112203
$99.95 USD 260 pages
8.375 x 10.875 inches
Hardcover 2010

Introduction to Geometrical and Physical Geodesy:
Foundations of Geomatics
Thomas H. Meyer

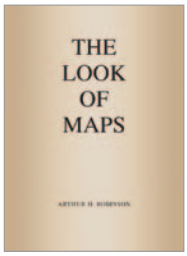
Introduction to Geometrical and Physical Geodesy explores geodesy, the discipline dealing with the measurement of the earth. Establishing GIS as a coordinate-based system and building on this concept, the book culminates in the reader's applied knowledge of geodesy. To simplify presentation, mathematics in this book are 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: 9781589480414
Part Number: 102979
$24.95 USD 512 pages
7.5 x 9 inches
Paperback 2009

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.

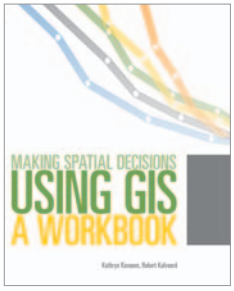


Print
ISBN: 9781589482623
Part Number: 117318
$18.95 USD 124 pages
6 x 9 inches
Paperback 2010

E-book
ISBN: 9781589483262
$18.95 USD

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.

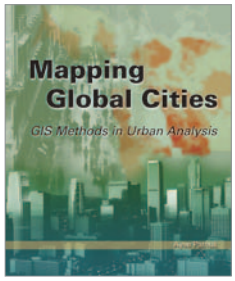


ISBN: 9781589482807
Part Number: 121381
$69.95 USD 172 pages
8 x 10 inches
Paperback with data DVD
2011

Making Spatial Decisions Using GIS:
A Workbook, Second Edition
Kathryn Keranen and Robert Kolvoord

With this workbook, students will use organized workflows, spatial analysis, and visualization to make decisions rooted in real-world issues about crime, hazards, hurricanes, demographics, and urban planning. Designed for a college curriculum, *Making Spatial Decisions Using GIS: A Workbook* develops GIS skills using step-by-step instructions, guided activities that reinforce learned concepts, and independent projects that encourage students to find local data and situations. Data for the exercises, a 180-day trial of ArcGIS 10 for Desktop, and in-depth instructor resources are also provided.

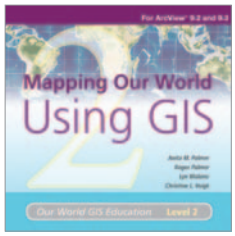
GIS Education and Training \\ continued



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

Mapping Global Cities:
GIS Methods in Urban Analysis
Ayse Pamuk

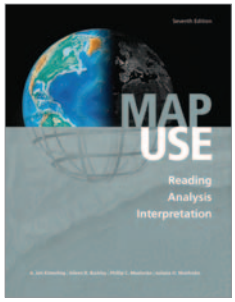
Spatial thinking and analysis are essential for informed urban policy making in a global world. Urban planners need to understand how cities are organized and how residential patterns are shaped as a result of population and employment changes. *Mapping Global Cities* illustrates how GIS technology can 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 with CD and DVD
2010

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. Includes teacher resources, data, lesson handouts, and a one-year trial of ArcView 9.3.



ISBN: 9781589482791
Part Number: 121250
$99.95 USD 610 pages
8.375 x 10.875 inches
Paperback 2011

Map Use:
Reading, Analysis, Interpretation, Seventh Edition
A. Jon Kimerling, Aileen R. Buckley, Phillip C. Muehrcke, and Juliana O. Muehrcke

Map Use: Reading, Analysis, Interpretation, Seventh Edition, is a comprehensive, foundational textbook designed for the college curriculum. Now updated with a new section on map interpretation, *Map Use* provides students with the knowledge and skills to read and understand maps and offers professional cartographers a thorough reference resource. Nearly 600 full-color maps, photographs, and graphs illustrate the concepts behind communicating with maps. An extensive glossary and resource DVD for instructors (available by request; includes lecture slides, lab exercises, and answer keys) further support use of the text in the classroom.

ISBN: 9781589482197
Part Number: 112545
$64.95 USD 294 pages
7.5 x 9 inches
Paperback 2010

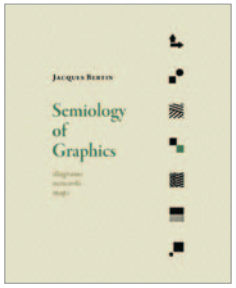
Ocean Globe
Joe Breman, editor

Ocean Globe focuses on bathymetry—the study of underwater depth of the third dimension—within 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: 9781589480131
Part Number: 102796
$49.95 USD 336 pages
7.5 x 9 inches
Paperback with CD
2008

Placing History:
How Maps, Spatial Data, and GIS Are Changing Historical Scholarship
Anne Kelly Knowles, editor; Amy Hillier, digital supplement editor

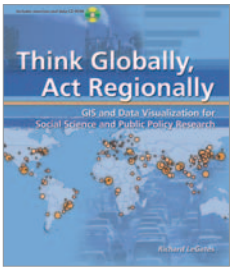
Over the past decade, historical GIS has emerged as a promising new methodology for studying history. In this companion piece to *Past Time, Past Place*, editor Anne Kelly Knowles presents a collection of case studies that illustrate how GIS technology can be utilized to reorganize and reevaluate historical 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: 9781589482616
Part Number: 117317
$79.95 USD 460 pages
8.75 x 10.75 inches
Hardcover 2010

Semiology of Graphics:
Diagrams, Networks, Maps
Jacques Bertin

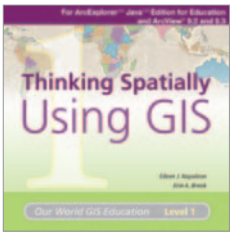
Originally published in French in 1967, *Semiology of Graphics* holds a significant place in the theory of information design. Founded on Jacques Bertin's practical experience as a cartographer, this book is an unprecedented attempt to synthesize principles of graphic communication with the logic of 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: 9781589481244
Part Number: 99833
$64.95 USD 540 pages
8 x 9.25 inches
Paperback with data CD
2005

Think Globally, Act Regionally:
GIS and Data Visualization for Social Science and Public Policy Research
Richard LeGates

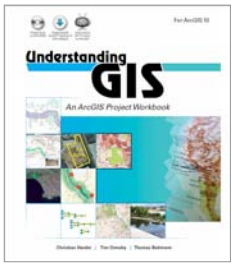
Space is an important dimension in most real-world issues that concern social scientists and students of public policy. *Think Globally, Act Regionally* explores the spatial aspects of issues such as the preservation of farmland and endangered plants and animals, urban and regional planning, and management 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: 9781589482764
Part Number: 120589
$19.95 USD
5 x 5 inches
Media kit with CD and DVD
2010

Thinking Spatially Using GIS Media Kit:
Our World GIS Education, Level 1
Eileen J. Napoleon and Erin A. Brook

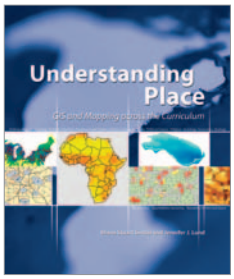
Thinking Spatially Using GIS introduces students to spatial concepts using GIS software. These include identifying location and direction, creating categories, symbolizing map features, recognizing spatial patterns, and thinking critically about our geographic data. Students will journey with early explorers, study the animal kingdom, trace US population patterns, and analyze the occurrence of tornadoes. The lessons comply with the National Geography Standards for grades 3–6. ArcExplorer™—Java™ Edition for Education and a one-year trial of ArcView 9.3 software is included.



ISBN: 9781589482425
Part Number: 114821
$79.95 USD 378 pages
7.875 x 9.625 inches
Paperback with data DVD
2011

Understanding GIS:
An ArcGIS Project Workbook
Christian Harder, Tim Ormsby, and Thomas Balstrøm

Understanding GIS: An ArcGIS Project Workbook explains the methods, tools, and processes needed to apply full-scale GIS analysis to a spatial problem. This book lets readers assume the role of a GIS analyst challenged with finding the best location for a new park along the Los Angeles River in Southern California. The problem is complex, requiring vacant land that's close to the river in park-poor urban neighborhoods with lots of families. The book provides the starting data and guidance needed to perform a complete GIS analysis. ArcGIS 10 trial software is provided.

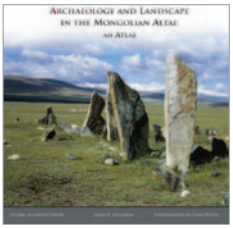


ISBN: 9781589481497
Part Number: 101486
$49.95 USD 304 pages
7.5 x 9 inches
Paperback 2007

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

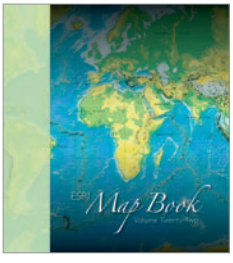
Archaeology and Landscape in the Mongolian Altai: An Atlas
Esther Jacobson-Tepfer and James E. Meacham

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

Cartographica Extraordinaire:
The Historical Map Transformed
David Rumsey and Edith M. Punt

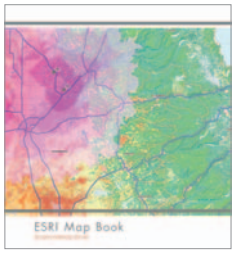
Handsomely illustrated, this large-format, hardcover atlas is a collection of extraordinary historical maps, some of which have been uniquely enhanced with modern GIS technology, from the private collection of David Rumsey. Maps featured in *Cartographica Extraordinaire* not only tell the vivid history 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

Esri Map Book, Volume 22
Esri

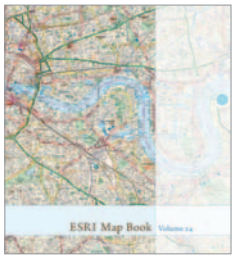
This annual edition showcases some of the most creative, interesting, and beautiful maps presented at the Map Gallery exhibition at the annual Esri International User Conference. Volume 22 continues the tradition of showing readers the capability of GIS and how it is changing the world. This collection 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

Esri Map Book, Volume 23
Esri

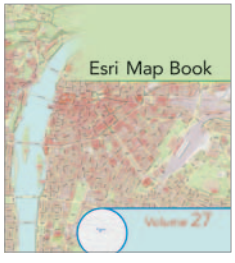
Esri Map Book, Volume 23, is dedicated to showcasing the innovative and inspiring accomplishments of GIS users around the world. The true excitement of this book lies in the discovery of which maps have made it from the 2007 Esri International User Conference Map Gallery into publication. More than 100 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

Esri Map Book, Volume 24
Esri

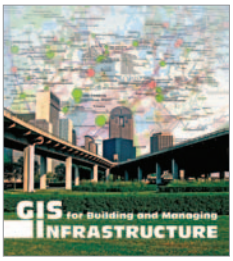
Esri Map Book is an annual volume published to exhibit the most innovative and well-crafted maps displayed at the Esri International User Conference. This volume continues the tradition of acknowledging the outstanding efforts of GIS users in their respective fields. With more than 20 categories represented 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: 9781589483149
Part Number: 126715
$24.95 USD 120 pages
10 x 11 inches
Paperback 2012

Esri Map Book, Volume 27
Esri

Esri Map Book, Volume 27, shows how GIS enables change and provides innovative, spatial solutions to wide-ranging issues, including those affecting business, the environment, utilities, transportation, and government. 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. Dozens of maps from distinct industries spread across many countries, regions, and cities are featured.



ISBN: 9781589482524
Part Number: 116764
$24.95 USD 72 pages
10 x 11 inches
Paperback 2009

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: 9781589483194
Part Number: 126987
$18.95 USD 108 pages
11 x 10 inches
Paperback 2012

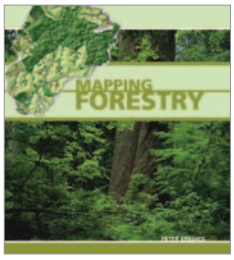
Mapping Census 2010:
The Geography of American Change
Riley Peake, editor

Mapping Census 2010: The Geography of American Change is an atlas of the American people—who we are and where we are. Using the latest census data and geographic information system technology, this atlas examines how our unique population is moving and changing. These large, full-color maps illustrate population density, age, and racial and ethnic composition with clarity. *Mapping Census 2010* is an invaluable resource for government officials, policy makers, and citizens interested in social change.

ISBN: 9781589481459
Part Number: 101862
$14.95 USD 92 pages
11 x 10 inches
Paperback 2007

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

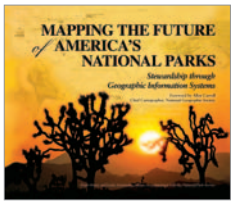
Mapping for Congress illustrates how GIS technology is used to provide policy makers and citizens with information about public policy issues in the form of a map. The book profiles the work of the Library of Congress Geography and Map Division's Congressional Cartography Program, detailing how Library of Congress GIS professionals are able to help members of Congress and congressional staff understand public policy issues in a geographic context.



ISBN: 9781589482098
Part Number: 111771
$39.95 USD 88 pages
10 x 11 inches
Paperback 2010

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: 9781589480803
Part Number: 91991
$26.95 USD 172 pages
12 x 11 inches
Paperback 2004

Mapping the Future of America's National Parks:
Stewardship through Geographic Information Systems
Mark Henry and Leslie Armstrong, editors

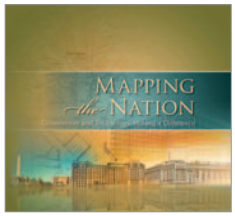
Filled with colorful maps, charts, and photographs, *Mapping the Future of America's National Parks* illustrates how GIS technology is used in the effort to repair trails and roads, locate artifacts, restore American battlefields, guide development, understand wildfires, and protect fragile lands. The 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: 9781589482869
Part Number: 123541
$19.95 USD 140 pages
10 x 11 inches
Paperback 2011

Mapping the Nation:
GIS for Federal Progress and Accountability
Esri

Mapping the Nation 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. This map book is the perfect visual reference for elected officials, politicians, and federal agencies.

Atlases and GIS Map Books \\ continued



ISBN: 9781589483156
Part Number: 126722
$19.95 USD 128 pages
11 x 10 inches
Paperback 2012

Mapping the Nation:
Government and Technology Making a Difference
Esri

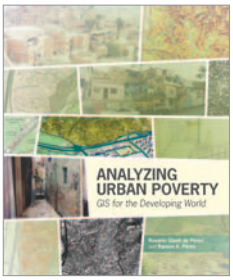
Mapping the Nation: Government and Technology Making a Difference is a collection of GIS maps illustrating the many ways that federal government agencies rely on GIS analysis to help make the world a better place. Pulled from a broad range of agencies, the maps included in the book demonstrate how the technology can be used to evaluate and respond to social, economic, and environmental concerns at local, regional, national, and global levels.

ISBN: 9781589480438
Part Number: 89904
$79.95 USD 140 pages
11.5 x 17.5 inches
Hardcover 2002

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



E-book
ISBN: 9781589483286
$29.95 USD
148 pages
2008

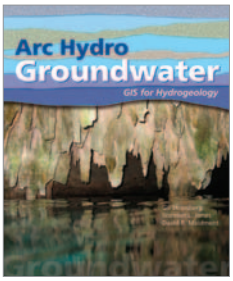
Analyzing Urban Poverty:
GIS for the Developing World
Rosario Giusti de Pérez and Ramón A. Pérez

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 the 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.

E-book
ISBN: 9781589482883
$39.95 USD
393 pages
2010

Citizen Planners:
Shaping Communities with Spatial Tools
Bernard J. Niemann, D. David Moyer, Stephen J. Ventura, Richard E. Chenoweth, and Douglas A. Miskowiak

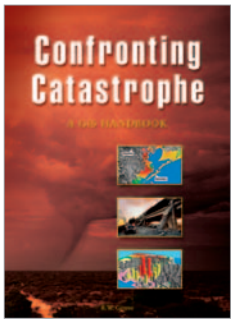
This book describes how geographic information systems can be made accessible to ordinary citizens with little or no professional training to help them plan and shape their local communities. The book focuses on the efforts of a group of Wisconsin citizens from all backgrounds who pushed for legislation that resulted in the GIS-based Wisconsin Land Information Program. The authors share the ideas, observations, experiences, and outcomes from this comprehensive effort.



ISBN: 9781589481985
Part Number: 108893
$64.95 USD 176 pages
7.5 x 9 inches
Paperbock 2011

Arc Hydro Groundwater:
GIS for Hydrogeology
Gil Strassberg, Norman L. Jones, and David R. Maidment

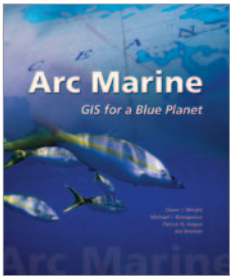
Arc Hydro Groundwater describes the groundwater data model, a new geodatabase design for representing groundwater systems using ArcGIS software. The groundwater data model shares a common framework with the surface water data model, Arc Hydro. Examples illustrating concepts and uses of the data model for management, visualization, and analysis make this book an invaluable resource.



ISBN: 9781589480407
Part Number: 89531
$14.95 USD 156 pages
6.5 x 9 inches
Paperback 2002

Confronting Catastrophe:
A GIS Handbook
R. W. Greene

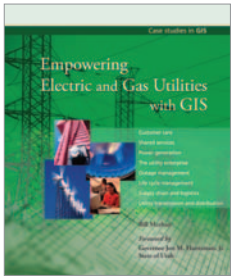
Using real-world lessons, *Confronting Catastrophe* demonstrates how the digital mapping and analysis tools of GIS technology can be critical for comprehensive preparation and quick response to disastrous events. This is an essential, hands-on manual for GIS practitioners and decision makers alike whose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

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.

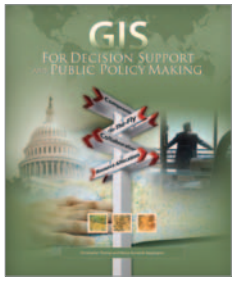


ISBN: 9781589480254
Part Number: 94784
$34.95 USD 225 pages
7.5 x 9 inches
Paperback 2007

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.

GIS Case Studies and Data Models for Industry \\ continued



ISBN: 9781589482319
Part Number: 113178
$24.95 USD 204 pages
7.5 x 9 inches
Paperback 2009

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: 9781879102644
Part Number: 94302
$19.95 USD 122 pages
9 x 7.5 inches
Paperback 1999

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.

ISBN: 9781589481428
Part Number: 100709
$24.95 USD 208 pages
9 x 7.5 inches
Paperback 2006

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: 9781589480766
Part Number: 93590
$19.95 USD 156 pages
9 x 7.5 inches
Paperback 2004

GIS for Water Management in Europe
Mike Bedford

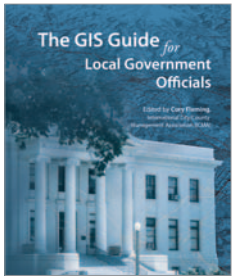
On the European continent, a common physical geography means common problems in natural resources and environmental management that require a unified approach to finding solutions. Nations already geographically unified are becoming even more closely bound in other ways: administratively, politically, 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.

Print
ISBN: 9781589481558
Part Number: 102980
$24.95 USD 150 pages
7.5 x 9 inches
Paperback 2007

E-book
ISBN: 9781589482906
$24.95 USD

GIS for Homeland Security
Mike Kataoka

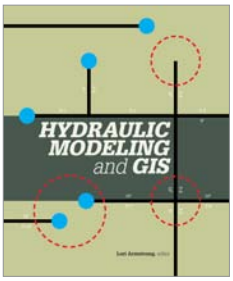
GIS for Homeland Security provides general overviews of how GIS technology is used for gathering and analyzing intelligence, protecting critical infrastructure, responding to complex emergencies, preparing for disease outbreaks and bioterrorism, securing complex events, and simulating disasters. A final 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: 9781589481411
Part Number: 97236
$24.95 USD 182 pages
7.5 x 9 inches
Paperback 2005

The GIS Guide for Local Government Officials
Cory Fleming, editor

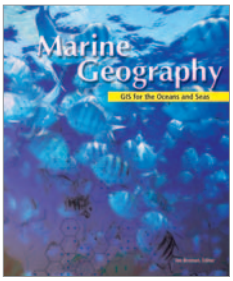
In *The GIS Guide for Local Government Officials,* municipal GIS experts suggest practical approaches for incorporating mapping technology to help local governments deliver services and determine policies while managing an information overload. To meet this challenge, local governments are increasingly turning to GIS technology to coordinate resources, save tax dollars, and plan for the future. Case studies drawn from throughout North America illustrate how officials have successfully applied GIS to their specific needs.



ISBN: 9781589483019
Part Number: 123972
$11.95 USD 82 pages
7.5 x 9 inches
Paperback 2011

Hydraulic Modeling and GIS
Lori Armstrong, editor

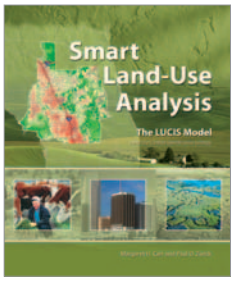
GIS and hydraulic modeling are complementary technologies. By integrating them, water utility companies can reap substantial time and cost savings. A well-designed integration of the two systems provides ready access to mission-critical data. As a result, risk-of-failure analysis, repair and replacement, capacity assessment, capital improvement planning, and numerous other water utility applications run more efficiently and more effectively. *Hydraulic Modeling and GIS* identifies the challenges that must be navigated and offers best practices for achieving an integration that will be sustainable over the long term.



ISBN: 9781589480452
Part Number: 90014
$24.95 USD 224 pages
7.5 x 9 inches
Paperback 2002

Marine Geography:
GIS for the Oceans and Seas
Joe Breman, editor

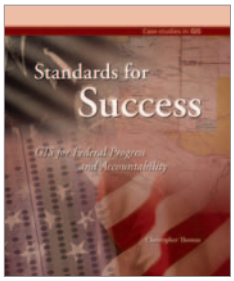
Featuring real-world examples from the ocean trenches, this collection of articles by leading ocean researchers and marine biologists shows some of the many ways that GIS technology is contributing to our understanding of the underwater environment. From improving oil spill response and mapping marine biodiversity to protecting at-risk coastal areas and improving navigation safety in crowded sea-travel corridors, *Marine Geography* illustrates how digital mapping and spatial analysis can serve as the integrating technology that allows various stakeholders to communicate in a common language.



ISBN: 9781589481749
Part Number: 102581
$49.95 USD 292 pages
7.5 x 9 inches
Paperback with data DVD
2007

Smart Land-Use Analysis:
The LUCIS Model
Margaret H. Carr and Paul D. Zwick

An indispensable guide for land-use planners, analysts, and students, *Smart Land-Use Analysis* provides the information needed to understand and implement the innovative analysis model developed by the authors. The land-use conflict identification strategy (LUCIS) model uses the ArcGIS geoprocessing framework, particularly ModelBuilder, to analyze suitability and preference for major land-use categories, determine potential future conflict among the categories, and build future land-use scenarios.



Print
ISBN: 9781589480476
Part Number: 103016
$24.95 USD 112 pages
7.5 x 9 inches
Paperback 2006

E-book
ISBN: 9781589482968
$24.95 USD

Standards for Success:
GIS for Federal Progress and Accountability
Christopher Thomas

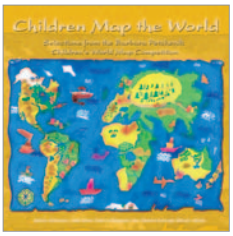
With the proven track record of GIS in providing high returns on investment, *Standards for Success* demonstrates how federal government agencies are using this powerful technology to streamline business processes, foster collaboration and communication, provide sound decision support, and optimize resource management. GIS plays an invaluable role in making government more effective and efficient. The powerful examples in this book make it easy to understand why.

Nontechnical

ISBN: 9781589482531
Part Number: 117035
$40.00 USD 264 pages
10 x 10 inches
Hardcover 2010

Botanical Serigraphs:
The Gene Bauer Collection
Gene Bauer

Botanical Serigraphs: The Gene Bauer Collection features serigraphs and narrative text from handcrafted, limited-edition booklets about arboreta and gardens throughout the state of California. As an avid member of the California Garden Club in the 1970s, Bauer dedicated herself to creating a series of booklets to capture the experience of touring gardens found in the club's districts. Bauer's attention to detail and keen sense for the extraordinary make this book an excellent gift for artists and garden enthusiasts alike.



ISBN: 9781589481251
Part Number: 99834
$24.95 USD 144 pages
10 x 10 inches
Paperback 2005

Children Map the World:
Selections from the Barbara Petchenik Children's World Map Competition
Jackie Anderson, Jeet Atwal, Patrick Wiegand, and Alberta Auringer Wood, editors

This vibrant collection of children's work from the Barbara Petchenik Children's World Map Competition presents a retrospective selection of 100 maps submitted over the first decade of the competition. *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.

ISBN: 9781589482463
Part Number: 115560
$29.95 USD 144 pages
10 x 10 inches
Paperback 2009

Children Map the World:
Selections from the Barbara Petchenik Children's World Map Competition, Volume 2
Temenoujka Bandrova, Jesus Reyes Nunez, Milan Konecny, and Jeet Atwal, editors

Volume 2 of *Children Map the World* showcases 100 world map images submitted to the Barbara Petchenik Children's World Map Competition 2005–2007, sponsored by the International Cartographic Association. The vibrant collection of maps in this volume presents varying perspectives on the theme Many Nations—One World from young artists, ranging in age from 4 to 15 and representing 37 countries. Cartographers, geographers, educators, and children will take interest in the colorful maps presented in this book.

Print
ISBN: 9781589482692
Part Number: 118810
$30.00 USD 124 pages
10 x 10 inches
Hardcover 2010

E-book
ISBN: 9781589482937
$30.00 USD

Faithfully and Liberally Sustained:
Philanthropy in Redlands
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.

ISBN: 9781589482852
Part Number: 123053
$49.95 USD 160 pages
12 x 9.625 inches
Hardcover 2011

Palms to Peaks:
The Art of Janet Edwards
Janet Edwards and Fred Edwards

Palms to Peaks: The Art of Janet Edwards is a collection of more than 60 full-color works that trace the development of artist Janet Edwards over a career spanning nearly half a century. Edwards, a lifelong resident of California, is a regional realist whose etchings capture the history and natural beauty of the state. Through this collection, Edwards pays homage not only to the stunning vistas, palms, groves, flora, and fauna that have become icons of Southern California life but also to the coastal, central, and northern regions of the state.

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- Population Mapping and Modeling for Manhattan
- And more

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- Building a GIS Forest Inventory
- Determine Insect Vulnerability
- Calculate Watershed Impacts
- And more

Business Topics

- Retail Site Selection with Business GIS
- Demographic and Lifestyle Segmentation
- Sales Territory Design
- And more

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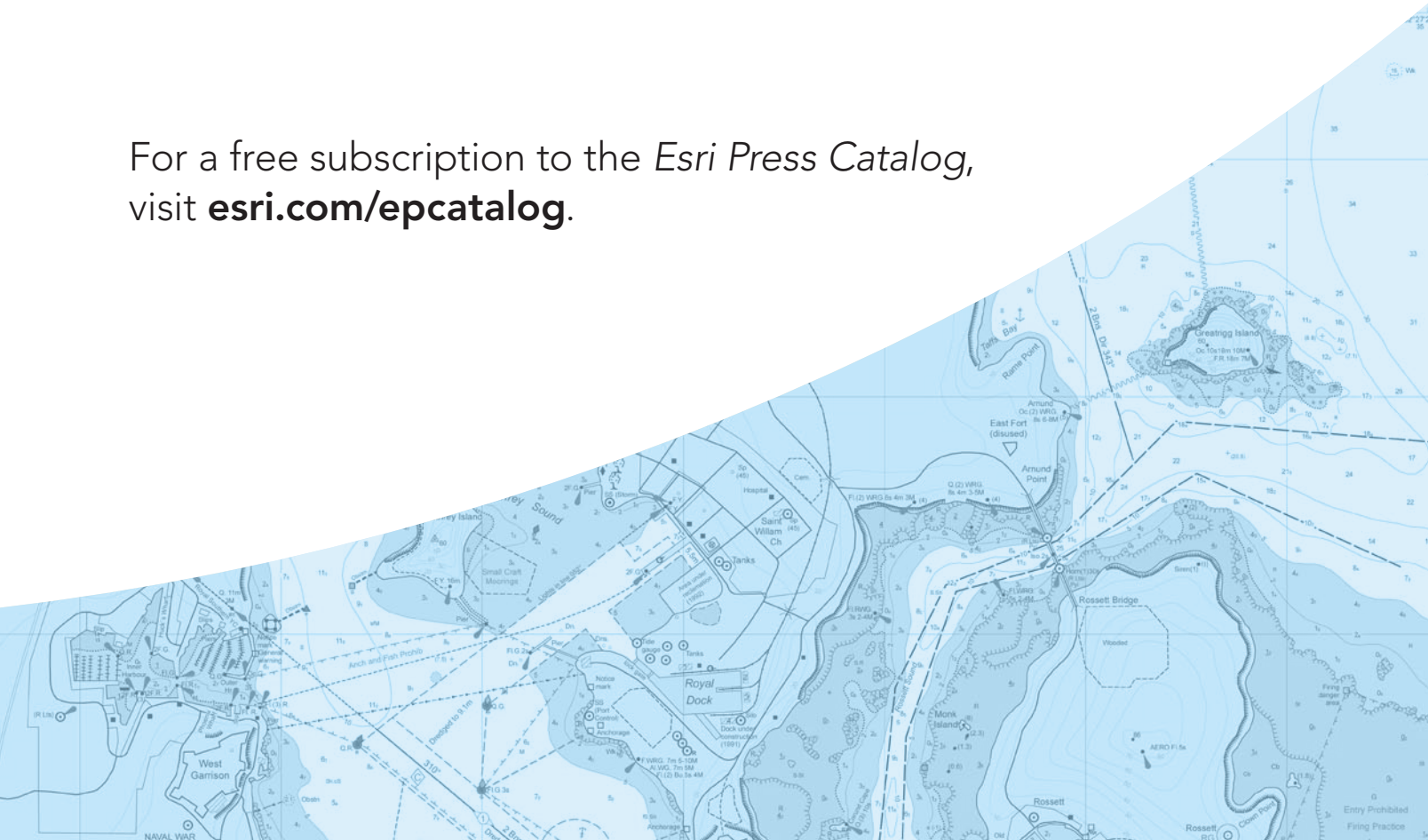
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