GEOGRAPHIC INFORMATION SYSTEMS (GIS)

A listing of materials available at the Justice Institute Library

GENERAL BOOKS

Fundamentals of Geographic Information Systems by Michael N. DeMers. Hoboken, NJ: John Wiley & Sons. (G 70.212 D46 2008)

Getting to Know ArcGIS Desktop: Basics of ArcView, ArcEditor, and ArcInfo by Tim Ormsby ... [et al.]. Redlands, CA: ESRI Press. (G 70.212 G489 2008)

GENERAL DVDs

D855   **Why GIS?** (DVD, 30 minutes)

Showcases applications of geographical information systems. Includes mapping traffic in India, planning the 2012 Olympics in London, and disaster emergency planning. (Video Education America) (G 70.212 W59 2008)

EMERGENCY MANAGEMENT - BOOKS

Confronting Catastrophe: A GIS Handbook by R. W. Greene. Redlands, CA: ESRI Press. (HV 551.2 G74 2002)

Disaster Response: GIS for Public Safety by Gary Amdahl. Redlands, CA: ESRI Press. (HV 553 A47 2001)

Geo-Information for Disaster Management edited by P. van Oosterom, Siyka Zlatanova, and Elfriede M. Fendel. New York, NY: Springer. (HV 551.2 I59 2005)

Geomatics Solutions for Disaster Management edited by Jonathan Li, Sisi Zlatanova, and Andrea Fabbri. New York, NY: Springer. (HV 551.2 G466 2007)

Geographic Information Systems (GIS) for Disaster Management by Brian Tomaszewski. Boca Raton, FL: CRC Press. (HV 551.2 T65 2015)

Geospatial Information Technology for Emergency Response edited by Sisi Zlatanova and Jonathan Li. New York, NY: Taylor & Francis. (HV 551.2 G467 2008)

GIS and Emergency Management in Indian Ocean Earthquake/Tsunami Disaster. Redlands, CA: ESRI Press. (HV 553 G575 2006)
http://www.esri.com/library/whitepapers/pdfs/gis-and-emergency-mgmt.pdf

GIS for Emergency Preparedness and Health Risk Reduction edited by David J. Briggs … [et al.]. Boston, MA: Kluwer academic Publishers. (RA 566.27 N38 2001)

GIS for Homeland Security by Mike Kataoka. Redlands, CA: ESRI Press. (HV 551.3 K38 2007)

GIS in Hospital and Healthcare Emergency Management edited by Ric Skinner. Boca Raton, FL: CRC Press. (RA 645.5 G57 2010)

GIS Tutorial for Homeland Security by Susan Lindell Radke and Eddie Hanebuth. Redlands, CA: ESRI Press. (G 70.212 R33 2008)

GIS Tutorial for Humanitarian Assistance by Firoz Verjee. Redlands, CA: ESRI Press. (G 70.212 V49 2011)

Planning for Urban Emergency Services Using Geographic Information Systems: A Case Study of Vancouver by Brian Crooks. Montreal, QC: McGill University. (HV 551.5 C26 C765 1998)

Successful Response Starts with a Map: Improving Geospatial Support for Disaster Management by the Committee on Planning for Catastrophe: A Blueprint for Improving Geospatial Data, Tools, and Infrastructure, Mapping Science Committee, Board on Earth Sciences and Resources, Division on Earth and Life Studies, National Research Council of National Academies. Washington, DC: National Academies Press. (G 70.215 U5 S837 2007)

EMERGENCY MANAGEMENT – DVDs

D130   **American Heat, February 2006: GIS: Providing the Foundation for Real-Time Intelligence, Part 1** (DVD, 30 minutes)

Geographic Information System technology provides first responders with real-time intelligence data in the form of maps, floor plans, photographs and much more. This program goes "under the hood" and explains the basics of how this new technology works. It also profiles Wilson, N.C., a growing city that has implemented GIS technology to make quicker, more informed decisions about how to prepare and respond to disasters. (Trinity) (TH 9310.5 A443 2006 FEB)

D165   **American Heat, March 2006: GIS: Providing the Foundation for Real-Time Intelligence, Part 2** (DVD, 30 minutes)

Geographic Information System technology is a critical component of a sustainable planning process to establish terrorist prevention and mitigation strategies, effective response capability, expedient recovery, and analysis of potential threats. This program examines technological solutions which make GIS applications readily available in times of disaster and explains how GIS applications play a vital role in disaster mitigation. (Trinity) (TH 9310.5 A443 2006 MAR)

POLICING - BOOKS

Crime Analysis with Crime Mapping by Rachel Boba Santos. Los Angeles, CA: SAGE Publications, Inc. (HV 7936 C88 B63 2017) (Shelved in Course Reserves section. For Library use only.)

Crime Analysis Through Computer Mapping edited by Carolyn Block, Margaret Dabdoub, and Suzanne Fregly. Washington, DC: Police Executive Research Forum.
(HV 7036 C88 B55 1995)

Crime and Place edited by John E. Eck and David Weisburd. Monsey, NY: Criminal Justice Press.
(HV 7431 C756 1995)

Crime Mapping Case Studies: Successes in the Field edited by Nancy G. La Vigne and Julie Wartell. Washington, DC: Police Executive Research Forum. (HV 7936 C88 C755 1998)

Crime Mapping Case Studies: Successes in the Field: volume 2 edited by Nancy G. La Vigne and Julie Wartell. Washington, DC: Police Executive Research Forum. (HV 7936 C88 C755 2000)

Fundamentals of Crime Mapping by Rebecca Paynich and Bryan Hill. Burlington, MA: Jones and Bartlett Learning. (HV 7936 C88 P39 2013)

The Geoarchive Handbook: A Guide for Developing a Geographic Database as an Information Foundation for Community Policing by Carlyn Rebecca Block and Lynn A. Green. Chicago, IL: Illinois Criminal Justice Information Authority, Statistical Analysis Center.
(HV 7936 C83 B563 1990z)

The Geographical Dimensions of Terrorism edited by Susan L. Cutter, Douglas B. Richardson, and Thomas J. Wilbanks. New York, NY: Routledge. (HV 6431 G463 2003)

GIS and Crime Mapping by Spencer Chainey and Jerry Ratcliffe. Hoboken, NJ: Wiley.
(HV 7936 C88 C48 2005)
http://www.loc.gov/catdir/toc/ecip054/2004028500.html

Mapping Across Boundaries: Regional Crime Analysis by Nancy G. La Vigne and Julie Wartell. Washington, DC: Police Executive Research Forum: NIJ Crime Mapping Research Center.
(HV 7936 C88 L285 2001)

Mapping Crime: Principle and Practice by Keith Harries. Washington, DC: U.S. Dept. of Justice, Office of Justice Programs, National institute of Justice. (HV 7936 C88 H277 1999)
http://www.ncjrs.gov/html/nij/mapping/pdf.html

Mapping Crime: Understanding Hot Spots by John E. Eck … [et al.]. Washington, DC: U.S. Dept. of Justice, Office of Justice Programs, National Institute of Justice. (HV 7936 C88 M263 2005)
http://www.ojp.usdoj.gov/nij/pubs-sum/209393.htm

Privacy in the Information Age: A Guide for Sharing Crime Maps and Spatial Data by Julie Wartell and J. Thomas McEwen. Washington, DC: U.S. Dept. of Justice, Office of Justice Programs, National Institute of Justice. (HV 8073.5 W277 2001)
http://www.ncjrs.org/pdffiles1/nij/188739.pdf

Risk Terrain Modeling: Crime Prediction and Risk Reduction by Joel M. Caplan and Leslie W. Kennedy. Oakland, CA: University of California Press. (HV 7936 C88 C36 2016)

Tracking Crime Patterns: An Exploratory Data Analysis of Mass Transit Systems and Criminal Events by Rob Tillyer. Burnaby, BC: Simon Fraser University. (HV 7936 C88 T545 2003)

Using Geographic Information Systems to Map Crime Victim Services: A Guide for State Victims of Crime Act Administrators and Victim Service Providers by Debra A. Stoe. Washington, DC: U.S. Dept. of Justice, Office of Justice Programs, National Institute of Justice.
(HV 6250.3 U5 S763 2003)
http://www.ojp.usdoj.gov/nij/pubs-sum/191877.html

Workshop On Crime Analysis Through Computer Mapping: Proceedings, 1993 edited by Carolyn Rebecca Block and Margaret Dabdoub. Chicago, IL: Illinois Criminal Justice Information Authority. (HV 7036 C88 W67 1993)

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