

Bibliography#

Aldenderfer, M. and Maschner, H.D.G. (eds) 1996. *Anthropology, Space, and Geographic Information Systems*. New York: Oxford University Press.

Allen, K.M.S., Green, S.W. and Zubrow, E.B.W. (eds) 1990. *Interpreting Space: GIS and archaeology*. London: Taylor & Francis.

Andresen, J., Madsen, T. and Scollar, I. (eds) 1993. *Computing the Past. Computer Applications and Quantitative Methods in Archaeology, CAA92*. Aarhus: Aarhus University Press.

Aronoff, S. 1989. *Geographical Information Systems: A Management Perspective*. Ottawa: WDL Publications.

Arroyo-Bishop, D. and Lantada Zarzosa, M.T. 1995. To be or not to be: will an object-space-time GIS/AIS become a scientific reality or end up an archaeological entity? In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 43-54. London: Taylor & Francis.

Batini, C., Ceri, S. and Navathe, S. 1992. *Conceptual database design: an entity-relationship approach*. Benjamin Cummins.

Biswell, S., Cropper, L., Evans, J., Gaffney, V. and Leach, P. 1995. GIS and excavation: a cautionary tale from Shepton Mallett, Somerset, England. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 269-285. London: Taylor & Francis.

Brandt, R., Groenewoudt, B.J. and Kvamme, K.L. 1992. An experiment in archaeological site location: modelling in the Netherlands using GIS techniques. *World Archaeology* 24: 268-282.

Bugayevsky, L.M. and Snyder, J.P. 1995. *Map Projections: A Reference Manual*. London: Taylor & Francis.

Burrough, P.A. 1986. *Principles of Geographical Information Systems for Land Resources Assessment*. Oxford: Clarendon Press.

Castleford, J. 1992. Archaeology, GIS and the time dimension: an overview. In G. Lock, and J. Moffett (eds) *Computer Applications and Quantitative Methods in Archaeology 1991*: 95-106. Oxford: Tempus Reparatum, British Archaeological Reports International Series S577.

Clancy, J. 1991. *Site surveying and levelling*. London: Edward Arnold.

Claxton, J.B. 1995. Future enhancements to GIS: implications for archaeological theory. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 335-348. London: Taylor & Francis.

Cox, C. 1992. Satellite imagery, aerial photography and wetland archaeology. *World Archaeology* 24 (2): 249-67.

Date, C.J. 1995. *An introduction to database systems*, 6th edition. Addison-Wesley.

Defence Mapping Agency, 1984. *Geodesy for the Layman*. US Naval Observatory Report TR 80-003, Washington D.C., 16th March 1984.

- DeMers, M.N. 1997. *Fundamentals of Geographic Information Systems*. New York, John Wiley & Sons.
- ESRI 1996. *The GIS Glossary*. Environmental Systems Research Institute, Inc
- Evenden G.I. 1983. *Forward and inverse cartographic projection procedures*. US Geological Survey Open-File Report 83-623.
- Evenden G.I. 1990. *Cartographic projection procedures for the UNIX environment - a user's manual*. US Geological Survey Open-File Report 90-284.
- Fotheringham, S. and Rogerson, P. (eds) 1994. *Spatial analysis and GIS*. London: Taylor & Francis.
- Gaffney, V. and Stancic, Z. 1991. *GIS approaches to regional analysis: A case study of the island of Hvar*. Ljubljana: Znanstveni in?titut Filozofske fakultete, University of Ljubljana, Yugoslavia, (reprinted 1996).
- Gaffney, V. and Stancic, Z. 1992. Diodorus Siculus and the island of Hvar, Dalmatia: testing the text with GIS. In G. Lock, and J. Moffett (eds) *Computer Applications and Quantitative Methods in Archaeology 1991*: 113-125. Oxford: Tempus Reparatum, British Archaeological Reports International Series S577.
- Gaffney, V. and van Leusen, P.M. 1995. Postscript - GIS, environmental determinism and archaeology. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 367-382. London: Taylor & Francis.
- Gaffney, V., Stancic, Z. and Watson, H. 1995. The impact of GIS on archaeology: a personal perspective. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 211-230. London: Taylor & Francis.
- Gaffney, V., van Leusen, M., and White, R. 1996. Mapping the Past: Wroxeter and Romanisation, in T. Higgins, P. Main, and J. Lang, (eds) 1996. *Imaging The Past. Electronic Imaging and Computer Graphics in Museums and Archaeology*: 259-270. London: British Museum Occasional Paper Number 114.
- Gaffney, V., Ostir, K., Podobnikar, T. and Stancic, Z. 1996. Satellite imagery and GIS applications in Mediterranean landscapes. In H. Kamermans and K. Fennema (eds) *Interfacing the Past. Computer Applications and Quantitative Methods in Archaeology CAA95*: 337-342. Leiden: University of Leiden, Analecta Praehistorica Leidensia 28. (2 volumes).
- Gillings, M. 1995. Flood dynamics and settlement in the Tisza valley of north-east Hungary: GIS and the Upper Tisza project. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 67-84. London: Taylor & Francis.
- Gillings, M. and Goodrick, G.T. 1996. Sensuous and reflexive GIS: exploring visualisation and VRML. *Internet Archaeology* 1 [online]. Available from http://intarch.ac.uk/journal/issue1/gillings_index.html.
- Guillot, D. and Leroy, G. 1995. The use of GIS for archaeological resource management in France: the SCALA Project. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 15-26. London: Taylor & Francis.
- Gurtner, W. 1994. *RINEX: The receiver Independent Exchange Format Version*. Available from <http://www.eng.auburn.edu/~yoonseo/gpswww/documents/rinex2.txt>
- Gurtner, W. and Mader, G.M. 1990. *The RINEX Format: Current Status, Future Developments*. Available from <http://www.eng.auburn.edu/~yoonseo.gpswww/documents/rinex.txt>

Harris, T.M. and Lock, G.R. 1990. The diffusion of a new technology: a perspective on the adoption of geographic information systems within UK archaeology, in K.M.S. Allen, S.W. Green and E.B.W. Zubrow (eds) *Interpreting Space: GIS and archaeology*: 33-53. London: Taylor & Francis.

Harris, T. and Lock, G. 1995. Toward an evaluation of GIS in European archaeology: the past, present and future of theory and applications. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 349-365. London: Taylor & Francis.

HMSO 1988. *The Copyright, Designs and Patents Act*. London: Her Majesty's Stationery Office.

Harris, T.M. and Lock, G.R. 1996. Multi-dimensional GIS: exploratory approaches to spatial and temporal relationships within archaeological stratigraphy. In H. Kamermans and K. Fennema (eds) *Interfacing the Past. Computer Applications and Quantitative Methods in Archaeology CAA95*: 307-316. Leiden: University of Leiden, Analecta Praehistorica Leidensia 28. (2 volumes).

Huggett, J. and Ryan, N. (eds) 1995. *Computer Applications and Quantitative Methods in Archaeology 1994*. Oxford: Tempus Reparatum, British Archaeological Reports International Series 600.

Kamermans, H. and Fennema, K. (eds) 1996. *Interfacing the Past. Computer Applications and Quantitative Methods in Archaeology CAA95*. Leiden: University of Leiden, Analecta Praehistorica Leidensia 28. (2 volumes).

Kennedy, M. and Kopp, S. 2000, *Understanding Map Projections*. Redlands Cf: ESRI Press.

Kohler, T.A. and Parker, S.C. 1986. Predictive models for archaeological resource location. In M. B. Schiffer (ed.) *Advances in Archaeological Method and Theory*, Vol. 9: 397-452. New York: Academic Press.

Kvamme, K.L. 1990. The fundamental principles and practice of predictive modelling. In A. Voorrips (ed) 1990. *Mathematics and Information Science in Archaeology: a Flexible Framework*: 257-295. Bonn: Studies in Modern Archaeology 3, Holos-Verlag.

Kvamme, K.L. 1993. Spatial statistics and GIS: an integrated approach, in J. Andresen, T. Madsen and I. Scollar (eds) *Computing the Past. Computer Applications and Quantitative Methods in Archaeology*, CAA92: 91-103. Aarhus: Aarhus University Press.

Kvamme, K.L. 1995. A view from across the water: the North American experience in archaeological GIS. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 1-14. London: Taylor & Francis.

Kvamme, K.L. 1996. Investigating chipping debris scatters: GIS as an analytical engine, in H.D.G. Maschner (ed) *New Methods, Old Problems. Geographic Information Systems in modern archaeological research*: 38-71. Carbondale: Southern Illinois University Center for Archaeological Investigations. Occasional Paper No. 23.

Kvamme, K.L. and Kohler, T.W. 1988. Geographic information systems: technical aids for data collection, analysis and display, in J.W. Judge and L. Sebastian (eds) *Quantifying the present and Predicting the Past: Theory, Method and Application of Archaeological Predictive Modelling*: 493-548. Washington DC: US Bureau of Land Management, Department of Interior, US Government Printing Office

Lafin, S. (ed.) 1986. *Computer Applications in Archaeology 1986*. Birmingham: Centre for Computing and Computer Science, University of Birmingham.

- Lang, N. and Stead, S. 1992. Sites and Monuments Records in England - theory and Practice. In G. Lock, and J. Moffett (eds) *Computer Applications and Quantitative Methods in Archaeology 1991*: 69-76. Oxford: Tempus Reparatum, British Archaeological Reports International Series S577.
- Larsen, C.U. (ed.), 1992. *Sites and Monuments. National Archaeological Records*. Copenhagen: The National Museum of Denmark, DKC.
- Laurini, R. and Thompson, D. 1996. *Fundamentals of Spatial Information Systems*. London: Academic Press.
- Leick, A. 1995. *GPS Satellite Surveying, 2nd Edition*. New York: John Wiley & Sons.
- Lillesand, T.M. and Keifer, R.W. 1994. *Remote sensing and image interpretation, third edition*. New York: Wiley & Sons.
- Llobera, M. 1996. Exploring the topography of mind: GIS, social space and archaeology. *Antiquity* 70: 612-22.
- Lock, G.R. and Harris, T.M. 1996. Danebury revisited: an English Iron Age hillfort in a digital landscape, in M. Aldenderfer and H.D.G. Maschner, (eds) *Anthropology, Space, and Geographic Information Systems*: 214-240. New York: Oxford University Press.
- Lock, G. and Moffett, J. (eds) 1992. *Computer Applications and Quantitative Methods in Archaeology 1991*. Oxford: Tempus Reparatum, British Archaeological Reports International Series S577.
- Lock, G. and Stancic, Z. (eds) 1995. *Archaeology and Geographical Information Systems: a European Perspective*. London: Taylor & Francis.
- Lockyear, K. and Rahtz, S. (eds) 1991. *Computer Applications and Quantitative Methods in Archaeology 1990*. Oxford: Tempus Reparatum, British Archaeological Reports International Series 565.
- Lyll, J. and Powlesland, D. 1996. The application of high resolution fluxgate gradiometry as an aid to excavation planning and strategy formulation. *Internet Archaeology* 1 [online]. Available from http://intarch.ac.uk/journal/issue1/lyall_index.html.
- Martin, D. 1996. *Geographic Information Systems. Socioeconomic applications (second edition)*. London: Routledge.
- Maschner, H.D.G. 1996. Geographic Information Systems in Archaeology, in H.D.G. Maschner (ed) *New Methods, Old Problems. Geographic Information Systems in modern archaeological research*: 1-21. Carbondale: Southern Illinois University Center for Archaeological Investigations. Occasional Paper No. 23.
- Maschner, H.D.G. (ed) 1996. *New Methods, Old Problems. Geographic Information Systems in modern archaeological research*. Carbondale: Southern Illinois University Center for Archaeological Investigations. Occasional Paper No. 23.
- MDA 1998. *MDA Archaeological Object Thesaurus*. Cambridge: Museum Documentation Association, English Heritage, and the Royal Commission for the Historical Monuments of England.
- Miller, P. and Greenstein, D. 1997. *Discovering Online Resources Across the Humanities: A Practical Implementation of the Dublin Core*. Bath: UKOLN.
- Mobbs, R. 1997. *Glossary of Computing Terms* [online]. Available from <http://www.le.ac.uk/cc/iss/glossary/ccgl.html>.

- Monmonier, M. 1996, *How to Lie with Maps*. Chicago: University of Chicago Press.
- Murray, D.M. 1995. The management of archaeological information - a strategy, in J. Wilcock and K. Lockyear (eds) *Computer Applications and Quantitative Methods in Archaeology 1993*: 83-87. Oxford: Tempus Reparatum, British Archaeological Reports International Series S598.
- Murray, D. and Dixon, P. 1995. Geographic Information System for RCAHMS. In *Monuments on Record, Annual Review 1994-5 of the Royal Commission on the Ancient and Historical Monuments of Scotland*: 32-4.
- NMEA 1995. *NMEA 0183 Standard*. National Maritime Electronics Association, PO Box 3435, New Bern, NC 28564-3435, USA.
- Openshaw, S. 1991. Developing appropriate spatial analysis methods for GIS. In D.J. Maguire, M.F. Goodchild and D.W. Rhind (eds) *Geographical Information Systems*, Vol. 2: 389-402.
- Ordnance Survey. 1950. *Constants, formulae and methods used in the Transverse Mercator Projection*. London: HMSO.
- Ordnance Survey. 1995. *The ellipsoid and the Transverse Mercator Projection*. Geodetic Information Paper No 1. Southampton: Ordnance Survey.
- Ordnance Survey. 1996. *Geodetic Information Paper No 2*. Southampton: Ordnance Survey.
- Ordnance Survey. 1996. *Copyright leaflet #1*. Southampton: Ordnance Survey.
- Ordnance Survey. 1996. *Copyright leaflet #2*. Southampton: Ordnance Survey.
- Ordnance Survey. 1996. *Copyright leaflet #3*. Southampton: Ordnance Survey.
- Ordnance Survey. 1996. *Copyright leaflet #4*. Southampton: Ordnance Survey.
- Rahtz, S.P.Q. 1988. *Computer Applications and Quantitative Methods in Archaeology 1988*. Oxford: British Archaeological Reports International Series 446, (2 volumes).
- Rahtz, S.P.Q. and Richards, J. (eds), 1989. *Computer Applications and Quantitative Methods in Archaeology 1989*. Oxford: British Archaeological Reports International Series 548.
- Raper, J.F. (ed.) 1989. *Three dimensional applications in geographical information systems*. London: Taylor & Francis.
- RCHME, 1995. *Thesaurus of Monument Types*. Swindon: Royal Commission on the Historical Monuments of England.
- RCHME, 1998. *MIDAS: the Monument Inventory Data Standard*. Swindon: Royal Commission on the Historical Monuments of England.
- Richards, J.D. and Ryan, N.S. 1985. *Data Processing in Archaeology*. Cambridge: Cambridge University Press.
- Robinson, H. 1993. The archaeological implications of a computerised integrated National Heritage Information System. In J. Andresen, T. Madsen, and I. Scollar, (eds) *Computing the Past. Computer Applications and Quantitative Methods in Archaeology, CAA92*: 139-150. Aarhus: Aarhus University Press.
- Roorda, I.M. and Wiemer, R. 1992. Towards a new archaeological information system in the Netherlands. In G. Lock, and J. Moffett (eds) *Computer Applications and Quantitative Methods in*

Archaeology 1991: 85-88. Oxford: Tempus Reparatum, British Archaeological Reports International Series S577.

Ruggles, C. 1992. Abstract Data Structures for GIS Applications in Archaeology. In G. Lock, and J. Moffett (eds) *Computer Applications and Quantitative Methods in Archaeology 1991*: 107-112. Oxford: Tempus Reparatum, British Archaeological Reports International Series S577.

Ruggles, C.L.N. and Rahtz, S.P.Q. (eds) 1988. *Computer Applications and Quantitative Methods in Archaeology 1987*. Oxford: British Archaeological Reports, International Series 393.

Ryan, N.S. and Smith, D.J. 1995. *Database systems engineering*. London: International Thompson Computer Press.

Scollar, I., Tabbagh, A. and Hesse, A. 1990. *Archaeological prospecting and remote sensing*. Cambridge: Cambridge University Press.

Snyder, J.P. 1987. *Map projections - a working manual*. U.S. Geological Survey Professional Paper 1395. [Available in PDF form for download from USGS](#)

Snyder, J.P. 1989. *An Album of Map Projections*. U.S. Geological Survey Professional Paper 1453.

Stead, S. 1995. Humans and PETS in space. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 313-318. London: Taylor & Francis.

Taylor, P.J. and Johnston, R.J. 1995. GIS and Geography. In J. Pickles (ed) *Ground Truth. The social implications of Geographic Information Systems*: 51-67. London: The Guilford Press.

Tilley, C. 1994. *A phenomenology of landscape. Places, Paths and Monuments*. Oxford: Berg.

Tomlin, C.D. 1990. *Geographic Information Systems and Cartographic Modelling*. New Jersey: Prentice-Hall.

van Leusen, M. 1993. Cartographic modelling in a cell-based GIS. In J. Andresen, T. Madsen, and I. Scollar, (eds) *Computing the Past. Computer Applications and Quantitative Methods in Archaeology, CAA92*: 105-124. Aarhus: Aarhus University Press.

van Leusen, M. 1995. GIS and archaeological resource management: a European agenda. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 27-42. London: Taylor & Francis.

van Leusen, P.M. 1996. GIS and locational modeling in Dutch archaeology: a review of current approaches. In H.D.G. Maschner (ed.) *New Methods, Old Problems. Geographic Information Systems in modern archaeological research*: 177-197. Carbondale: Southern Illinois University Center for Archaeological Investigations. Occasional Paper No. 23.

van Sickle, J. 1996. *GPS for Land Surveyors*. Ann Arbor Press.

Verhagen, P. 1996. The use of GIS as a tool for modelling ecological change and human occupation in the middle Aguas Valley (S.E. Spain). In H. Kamermans, and K. Fennema, (eds) *Interfacing the Past. Computer Applications and Quantitative Methods in Archaeology CAA95*: 317-324. Leiden: University of Leiden, Analecta Praehistorica Leidensia 28. (2 volumes).

Walker, R. (ed.) 1993. *AGI Standards Committee GIS Dictionary*. Association for Geographic Information.

Warren, R.E. 1990. Predictive modelling of archaeological site location: a primer. In K.M.S. Allen, S.W. Green, and E.B.W. Zubrow, (eds) *Interpreting Space: GIS and archaeology*: 90-111. London: Taylor & Francis.

Wells, D. 1986. *Guide to GPS Positioning*. Canadian GPS Associates.

Wheatley, D. W. 1993. Going over old ground: GIS, archaeological theory and the act of perception. In J. Andresen, T. Madsen, and I. Scollar, (eds) *Computing the Past. Computer Applications and Quantitative Methods in Archaeology*, CAA92: 133-138. Aarhus: Aarhus University Press.

Wheatley, D.W. 1995. Cumulative Viewshed Analysis: a GIS-based method for investigating intervisibility, and its archaeological application. In G. Lock and Z. Stancic (eds) *Archaeology and Geographical Information Systems: a European Perspective*: 171-186. London: Taylor & Francis.

Wheatley, D.W. 1996. Between the lines: the role of GIS-based predictive modelling in the interpretation of extensive survey data. In H. Kamermans, and K. Fennema, (eds) *Interfacing the Past. Computer Applications and Quantitative Methods in Archaeology CAA95*: 275-292. Leiden: University of Leiden, Analecta Praehistorica Leidensia 28. (2 volumes).

Whittington, R.P. 1988. *Database Systems Engineering*. Oxford: Oxford Applied Mathematics and Computing Science Series.

Wilcock, J. and Lockyear, K. (eds) 1995. *Computer Applications and Quantitative Methods in Archaeology 1993*. Oxford: Tempus Reparatum, British Archaeological Reports International Series S598.

Wise, A.L. and Miller, P. 1997. Why Metadata Matters in Archaeology. In *Internet Archaeology 2* [online]. Available from http://intarch.ac.uk/journal/issue2/wise_index.html.

Wood, J.D. (1996) *The geomorphological characterisation of digital elevation models* PhD Thesis, University of Leicester, UK. <http://www.soi.city.ac.uk/~jwo/phd>

Yang, Q., Snyder, J. P., and Tobler, W. R., 2000, *Map Projection Transformation: Principles and Applications*. London: Taylor & Francis.