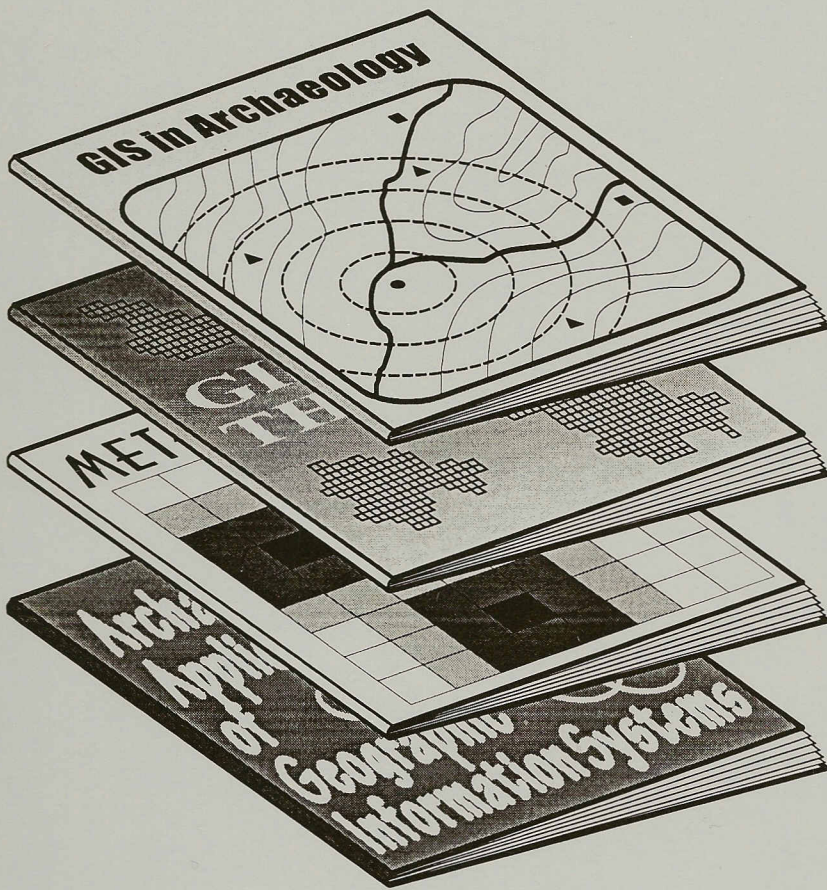


GIS in Archaeology

An Annotated Bibliography



Edited by
Lyn Petrie
Ian Johnson
Brenda Cullen
Kenneth Kvamme

Sydney University Archaeological Methods Series 1

1995

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0058

244. Ravenhill, W. & A. Gilg 1986

The Accuracy of Early Maps? Towards a Computer-Aided Method. *Cartographic Journal* 11: 48-52.

A methodology for assessing the planometric accuracy of old maps is suggested and the results of its application to a map of Devon prepared by Benjamin Donn in 1765 are shown. The technique suggests that in terms of map-making, Donn's map of Devon was justifiably rated highly. (published abstract)

245. Reilly, P. 1988

Relating Archaeological Site Locations to Territorial Divisions: Some Software Tools Being Applied in a Manx Context. *Journal of Archaeological Science* 15: 563-581.

The application of computer tools to correlate site positions and boundaries on historical and modern maps is described. A computer system specifically developed for this task has achieved the desired aims. The system is being expanded to perform statistical analyses. (LP)

246. Reilly, P. & A.R. Halbert 1987

Using Computer Graphics to Analyse Archaeological Survey Data from the Isle of Man. Winchester: IBM UK Scientific Centre.

Three dimensional colour graphics can be used to augment the observational skills of field archaeologists. The three dimensional computer models provide less subjective descriptions of the archaeological features being recorded than more traditional methods. They can also be used in their own right as investigative aids in the analysis of archaeological survey data. By enhancing the data and optimising view points and lighting conditions definition can be significantly improved to reveal otherwise intangible archaeological features. An early medieval Manx burial ground is examined by applying such techniques. (published abstract)

247. Reynoso, C. 1994

VB-GIS 3D - a Development Report on a GIS Model for Archaeology. *Archaeological Computing Newsletter* 38: 3-7.

248. Reynoso, C. & D. Castro 1994

VB-GIS 3D - a GIS Specifically Designed for Archaeology. In Johnson, I. (ed.) *Methods in the Mountains: Proceedings of UISPP Commission IV Meeting, Mount Victoria, Australia, August 1993.* Sydney University Archaeological Methods Series 2. Sydney: Archaeology (P&H), University of Sydney. pp. 135-142.

Describes the capabilities of a prototype version of VB-GIS, a GIS developed specifically for archaeological applications. The prototype is oriented towards intra-site analysis of distributions of discrete artefacts but it is conceived as an integrated, open-ended system in a Windows environment. Artificial intelligence techniques are used to control data quality and the applicability of statistical techniques. VB-GIS provides an extremely rich set of analytical methods covering the majority of quantitative methods published in archaeology. (IJ)

211. **Massagrande, F.A. 1995 (in press)**
Using GIS with Non-systematic Survey Data: The Mediterranean Evidence. In Lock, G.R. & Z. Stancic (eds) *Archaeology and Geographic Information Systems: A European Perspective*. London: Taylor & Francis.
218. **Miller, A.P. 1995**
The York Archaeological Assessment: Computer Modelling of Urban Deposits in the City of York. In Wilcock, J. & K. Lockyear (eds) *Computer Applications and Quantitative Methods in Archaeology 1993*. BAR International Series 598. Oxford: Tempus Reparatum. pp. 149-154.
219. **Miller, A.P. 1995 (in press)**
How to Look Good and Influence People: Thoughts on the Design and Interpretation of an Archaeological GIS. In Lock, G.R. & Z. Stancic (eds) *Archaeology and Geographic Information Systems: A European Perspective*. London: Taylor & Francis.
222. **Neustupny, E. 1995 (in press)**
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225. **Ogleby, C. 1994**
Geographic Information Systems in Archaeology and Anthropology: A Case Study from the Arawe Islands, Papua New Guinea. In Johnson, I. (ed.) *Methods in the Mountains: Proceedings of UISPP Commission IV Meeting, Mount Victoria, Australia, August 1993*. Sydney University Archaeological Methods Series 2. Sydney: Archaeology (P&H), University of Sydney. pp. 99-114.
233. **Parker, S. 1985**
Predictive Modelling of Site Settlement Systems Using Multivariate Logistics. In Carr, C.H. (ed.) *For Concordance in Archaeological Analysis: Bridging Data Structure, Quantitative Technique, and Theory*. Kansas City: Westport. pp. 173-207.
237. **Pazner, M. & L. Dalla Bona 1989**
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243. **Rahtz, S.P.Q. 1992**
GISsing the Henge and Making it Cry. *Archaeological Computing Newsletter* 30: 8-9.
244. **Ravenhill, W. & A. Gilg 1986**
The Accuracy of Early Maps? Towards a Computer-Aided Method. *Cartographic Journal* 11: 48-52.
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