GIS in Archaeology

An Annotated Bibliography

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Sydney University Archaeological Methods Series 1
244. Ravenhill, W. & A. Gilg 1986

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

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)

*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


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. (II)

218. Miller, A.P. 1995  


225. Ogieby, C. 1994  


244. Ravenhill, W. & A. Gilg 1986  

245. Reilly, P. 1988  


247. Reynoso, C. 1994  