



**ECONOMIC GEOLOGY
RESEARCH UNIT**

University of the Witwatersrand
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A BIBLIOGRAPHY OF
GEOSTATISTICS

P.A. SHEAHAN

• INFORMATION CIRCULAR No.202

UNIVERSITY OF THE WITWATERSRAND
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A BIBLIOGRAPHY OF GEOSTATISTICS

by

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The third edition of the "Glossary of Geology", published in 1987 by the American Geological Institute, defines geostatistics as "(a) statistics as applied to geology; the application of statistical methods or the application of statistical data for use in geology; (b) statistical techniques developed for mine evaluation by the French school of G. Matheron". The bibliography which has been compiled refers essentially to the practical aspects of applied geostatistics. It does not purport to be a comprehensive listing of all that has been published on the subject and should be considered as a selective bibliography only, with an emphasis on literature which has been published since the mid-1970's.

The bibliography is a combination of overview papers and those dealing with the application of geostatistics to specific mineral deposits. Attention has been focused more on applied contributions than on those concerned with the mathematics of the subject. Included are most of the traditional background papers and books, in which are to be found additional references to those mentioned in this bibliography. Certain symposia, such as the APCOM series, have directed their sessions towards applied geostatistics, as can be seen in the several volumes of proceedings, which have been published. Journals such as "Mathematical Geology" and "Computers and Geosciences" are particularly useful sources of new references. Publications with supplementary bibliographies have also emanated from the South African Institute of Mining and Metallurgy, the Canadian Institute of Mining and Metallurgy, the Institute of Mining and Metallurgy (London), the American Institute of Mining Engineers, and the NATO Advanced Study Institute.

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