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**Scales and Magnitudes of Variation
in Population Densities of
Some Coral Reef Organisms**
*Implications for the Design of Sampling
and Monitoring Procedures*

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Bibliography.

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1. Coral reef biology - Queensland - Great Barrier Reef. 2. Population biology - Queensland - Great Barrier Reef. 3. Environmental monitoring - Queensland - Great Barrier Reef. 4. Environmental sampling - Queensland - Great Barrier Reef. I. Ayling, Tony, 1947- . II. Choat, J. H. III. Great Barrier Reef Marine Park Authority (Australia). IV. Title. (Series : Research publication (Great Barrier Reef Marine Park Authority (Australia)) ; no. 49).

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