



Investigation into Surveying Recreational Fishing
Activity in South Australia

by

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ABSTRACT

It is estimated that nearly 290,000 South Australians aged 10 years or over undertook some form of recreational fishing during the period March to June 1982 (Philipson et al. 1986). Very little data are available on the activities of this recreational group. The problem of obtaining information on recreational fishing activity in South Australia is examined in this thesis and existing data sets are reviewed.

The steps in planning a survey of recreational anglers are discussed and applied to a particular case study in an important recreational area of South Australia. The knowledge gained during this pilot survey will be valuable in planning future surveys.

Data collected by interviews conducted during the survey falls into two broad categories:-

- Biological data such as species composition of the catch and fishing effort expended.
- Economic data such as respondent's usual residence and time spent in the area fishing.

The use of supplementary data in survey work is reviewed with particular reference to its role in sample evaluation and regression estimation techniques. A regression model using wind recordings as a supplementary variable is suggested. It is hoped this will improve the efficiency of survey effort and the precision of results in future surveys.

This thesis contains no material which has been accepted for the award of any other degree or diploma in any University. To the best of my knowledge and belief, the thesis contains no material previously published or written by another person, except where due reference is made in the text of the thesis.

I consent to the thesis being made available for photocopying and loan.

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