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DESIRED BEHAVIORAL CHANGE

(ROGERS,1983)

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(Cochran,1997)

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Fishermen's Knowledge of Their Malpractices and Their Impact on Environmental Pollution at Mariout Lake, Alexandria Governorate

Mahmoud Ragab Eltorkey, Khalid Alsayid Mohamed

Institute of Agric. Extension and Rural Development

ABSTRACT

The present study aimed primarily at examining fishermen's knowledge of their malpractices and their impact on environmental pollution at Mariout Lake. This was considered as the central and dependent variable of the study. A sample comprised of 180 respondents was randomly selected to represent 7.5 % of the total population. A questionnaire was prepared and administered through personal interviews for the purpose of data collection. Percentages distribution, arithmetic means, correlation coefficient, and step -wise regression analysis were used for data analysis.

The study revealed that 62.6% of the researched fishermen had malpractices that contribute to environmental pollution, 53.9 % of them were classified as having low level of awareness in this regard. Statistical analysis also revealed that six variables contributed to explaining the variance in the dependent variable of the study by 42.3%. These variables were participation in extension and societal activities, cosmopolitanism, years of experience in Fishing practice, leadership ability, innovativeness, and contacts with change agents.

Based on study results, several recommendations were suggested.