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A Study of the Food and Feeding of the Cutthroat Trout
in the Snake River, Teton Co., Wyoming

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Project Number 160

In conjunction with a creel census being conducted cooperatively by personnel of the Wyoming Game and Fish Department and Grand Teton National Park, and with Robert Wiley the principal investigator of Project Number 159, stomachs of creeled cutthroat trout have been collected and separated according to different sections of the river. The primary objectives of this project are to analyze the stomach contents in detail in an attempt to determine quite specifically the food preferences, relative availability of different food items, and the feeding patterns of the cutthroat trout in the Snake river. Stomach contents of fish of different size groups and of fish caught at different times of the day are to be compared. Relative availability and/or preferences will be based upon sampling of the bottom fauna of the stream. A specialized deep-water bottom sampler was constructed for this purpose. Data on stream bottom fauna and stream drift collected in earlier segments by Kroger (Project Number 132) and Good (Project Number 148) will be utilized also in this analysis. It is anticipated that the analysis of stomach contents will be completed during the academic year 1968-69 in the laboratories of the Department of Zoology, University of Wyoming.

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