

QUARTERLY PROGRESS REPORT FOR PERIOD

July 1 through September 30, 1979

ENVIRONMENTAL SCIENCES DIVISION
OAK RIDGE NATIONAL LABORATORY

PROJECT (189 No.): B0423 - Hudson River White Perch

PERSON IN CHARGE: Webster Van Winkle

PRINCIPAL SCIENTIST: Lawrence W. Barnthouse

TECHNICAL OBJECTIVES: To complete the topical report on estimating and evaluating collection rates and conditional mortality rates due to impingement of white perch at the Indian Point Nuclear Station and the other power plants on the Hudson River. To collect, compile, and analyze data on white perch entrainment losses and density-dependent growth. To review data and information on white perch from other water bodies. To document in a second topical report the results of the new analyses and to make a determination whether the combined entrainment and impingement losses may have an adverse impact on the Hudson River white perch population.

STATUS OF SUBTASKS: Work on all subtasks for FY 79 has been completed.

MAJOR ACCOMPLISHMENTS:

A. Impingement

The final draft of the topical report entitled "Evaluation of impingement losses of white perch at the Indian Point Nuclear Station and other Hudson River power plants" was completed. A copy was forwarded to NRC for review on October 5, 1979.

B. Entrainment

All analyses have been completed. Results will be presented in the Annual Report for FY 79.

C. Density-dependent Growth

All analyses have been completed. Results will be presented in the Annual Report for FY 79.

D. Data and Information from Other Water Bodies

Analyses of white perch impingement data from the Surry, Calvert Cliffs, and Salem plants have been completed. Results will be presented in the Annual Report for FY 79.

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PUBLICATIONS, PRESENTATIONS, AND MEETINGS:

Meetings:

Meetings with EPA, Region II to discuss settlement proposals for the Hudson River Power Case, New York City, August 27, 1979 (L. W. Barnthouse and W. Van Winkle).

INTERIM REPORT

Accession No. _____
Contractor's Report No. _____

Contract Program or Project Title: Hudson River White Perch

Subject of this Document: Quarterly Progress Report for Period July 1
through September 30, 1979

Type of Document: Interim Contractor's Report

Author(s): Webster Van Winkle & Lawrence W. Barnthouse

Date of Document: July 1 through September 30, 1979

Responsible NRC Individual and NRC Office or Division: Phillip R. Reed
Environmental Effects Research Branch, Division of Safeguards, Fuel Cycle
and Env. Research, RES

This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

Prepared for
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

NRC FIN No. B0423

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