SCIENCE INFORMATION EXCHANGE
SMITHSONIAN INSTITUTION
1730 M STREET, N.W. PHONE 202-381-6011
WASHINGTON, D.C. 20036

ZUR-3441

NOTICE OF RESEARCH PROJECT

SUPPORTING AGENCY:

INTERIOR DEPARTMENT
BUREAU OF SPORT FISH. & WLF.
FISHERY RESEARCH DIVISION

AGENCY'S NUMBER(S):

FR 2216-3

TITLE OF PROJECT:

CHRONIC TOXICITY OF PESTICIDES TO COLD-WATER FISH

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY:

DV SWEDBURG FISH PESTICIDE RESIARCH LAB
BF GRANT

RECIPIENT INSTITUTION:

U.S. DEPT. OF INTERIOR
BUR. OF SPORT FISH. & WILDLIFE
JACKSON, WYOMING

PERIOD FOR THIS NRP:

7/70 TO 6/71
FY71 FUNDS $8,000

SUMMARY OF PROJECT:

Aroclor 1248 will be administered for 160 days to immature lake trout in dietary concentrations of 1,2, 3,6, and 12.0 mg/kg of food giving dosage rates of 36.9, 108, and 360 ug/kg of body weight per day. Aroclor residues, mortality, and pathology will be evaluated throughout treatment and for 70 days after treatment. The fish will be tested for thyroid activity, recovery time from hexabarbital anesthesia, and their ability to withstand thermal shock after the exposure.

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