

US DOE ARCHIVES
326 U.S. ATOMIC ENERGY COMMISSION

7-5901

0415

229

R

RG DOE HISTORIAN (DPM)
Collection 1132
Box 3354
Folder 29

- Area Engineer
- Area Engineer
- Area Engineer
- Area Engineer

403930

This Document consists of
2 Pages No. 5 of
10 Copies. Series A

OPENNET ENTRY

Authorized for Public Release
By: ASR PG Kelly Date: 7/11/95
Entered in OpenNet By: _____ Date: _____

Not Authorized for Public Release
By: _____ Date: _____

March 6, 1947

FISH LABORATORY REPORT

BEST COPY AVAILABLE

Second Half of February, 1947

The silver salmon monitoring program continues as the major study in progress at the 146 Building. The temperature of the river water has remained low (4° to 5° C.) and consequently development has been slow. However, some of the eggs in even the coldest water, that is where no warm effluent is being added, are now starting to hatch. Egg mortalities in those lots which are now completely hatched are as follows:

Area Effluent Water	Troughs 1 & 2	83.7 per cent
1:5	Troughs 5 & 6	11.9 per cent
1:10	Troughs 7 & 8	8.6 per cent
1:25	Troughs 9 & 10	6.3 per cent
(River Water Control	Troughs 17, 18, 19 & 20	6.1 per cent - Incomplete)
(Refrigerated Effluent	Troughs 3 & 4	5.7 per cent - Incomplete)

The exceptionally low mortality among the eggs held in the refrigerated effluent water is of interest and parallels the results obtained with chinook salmon last year. However, none of the chinook fry survived the yolk sac period.

The silver salmon fry in the effluent water of Troughs 1 & 2 have suffered an extremely heavy mortality and less than fifty now remain. Although these fry are approaching the feeding stage, probably none will reach it. The mortality among the fry in the 1:5 dilution level has risen above normal during the past two weeks and many individuals have symptoms of "white spot" disease. The mortality has not yet reached serious proportions, however. Other lots appear normal.

Construction of the new ponds and pipe lines is nearing completion. Installation of new pumps, testing, and backfilling of the excavation are the major jobs yet to be done.

Arrangements have been completed for obtaining condemned beef liver at Pasco, and delivery of the liver has begun.

~~contains information of the national defense which within the meaning of the espionage laws, 18 U.S.C. 793 and 794, its transmission or the disclosure of its contents in any manner to an unauthorized person is prohibited by law.~~

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

SINGLE REVIEW AUTHORIZED BY: RB Harrison

REVIEWER (ADD): 11-2-84

Date: 11-14-94

DETERMINATION (CIRCLE NUMBER):
1. CLASSIFICATION MAINTAINED
2. CLASSIFICATION CHANGED TO
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH _____
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY)

DOE ARCHIVES

The trap for capturing small fish being pumped into the 182 Reservoir has been repaired and altered to facilitate access. Routine inspection of this trap will be started to determine the species, size and numbers of small fish which are finding their way through the fish screens in the 181 Pumphouse.

Culture of algae in glass jars has been continued with varying success and counts are being made to determine the activity accumulation and decay. Dr. Barry has removed one jar to be set up at the 100-B Area and supplied with uncontaminated river water available at that point.

RFF/djs

Richard F. Foster
Richard F. Foster
Sr. Supervisor, Fish Laboratory