Flood Control

HYDRO-ELECTRIC **Power**

Recreation

Every . . . . . CITIZEN

Every . . . . . BUSINESS

Every . . ORGANIZATION

In Idaho Will Benefit From

Bruce's Eddy Dam

On The Clearwater River

A Key To Area Development: Hydro Power, Flood Control

Bruce's Eddy dam and reservoir will be operated as a key part of the multiple purpose development of the water resources of the Columbia River basin. It will play a major role in alleviating flood control damage and power shortages that have been felt in the past.

Proposed operation of the reservoir contemplates keeping the pool area full during the summer months for power generation and to make a beautiful lake for recreation, summer homes and other aesthetic uses. The lake level would be lowered during the period of low water from November until spring to supplement downstream flow and to provide space to catch flood waters which normally occur in May. This would prevent downstream damage in the Clearwater, Columbia and Snake rivers proper.

About two million acre feet of storage is usable for river control purposes.

After the disastrous 1948 flood it became evident that control of the Clearwater river was imperative. The Clearwater has the highest fluctuation, from 500 second feet to 177,000 second feet, of any major river in the Northwest. The North Fork alone flows annually 4,000,000 acre feet and runs as high as 6,680,000 acre feet.

Least Injury To Area

The Bruce's Eddy project is designed to give the Pacific Northwest the maximum benefits with the least amount of disturbance and injury to salmon runs or to established communities. Its completion will add to the use of the North Fork area which is now isolated and inaccessible by automobile for much of the reservoir pool area.

Commands Extensive Support

Expressions of approval have been made by the following organizations on the Clearwater Dams. Comment by you is invited as are other expressions either for or against, as we are not in a position to obtain complete information on organizations far removed from the region.

Counties and Municipalities, Irrigation Districts and Other Organizations

Clearwater County
City of Orofino
Idaho County
Village of Kooskia
Village of Kamiah
Village of Elk River
Village of Pierce
City of Lewiston
Village of Stites

Idaho Flood Control District No. 1—John Poole, Lorenzo, Idaho.
Idaho Irrigation District No. 36, Idaho—N. V. Sharp
Lewiston Grain Growers Association, Lewiston, Idaho
Inland Water Ways — Lewiston and Walla Walla
North Side Canal — C. J. Welteroth, Jerome, Idaho

Chambers of Commerce and Similar Service Organizations

Grangeville Junior Chamber of Commerce
Kamiah Chamber of Commerce
Orofino Jr. and Sr. Chambers of Commerce
Moscow Chamber of Commerce
Grangeville Chamber of Commerce
Lewiston Chamber of Commerce
Kooskia Lions Club and Chamber of Commerce
Pierce Chamber of Commerce
Orofino Lions Club
Idaho Falls Chamber of Commerce
Lewiston Grain Growers, Inc.
Asotin, Washington Chamber of Commerce
Spokane, Washington Chamber of Commerce
St. Maries Chamber of Commerce
Kellogg Chamber of Commerce
Wallace Chamber of Commerce
Kiwanis Clubs—Grangeville and Orofino
North Idaho Chamber of Commerce and others

Recreation and Wildlife Organizations

Idaho Outdoor Assn.—Kamiah-Kooskia Chapter
Idaho Outdoor Assn.—Orofino Chapter
Idaho Outdoor Assn.—Weippe-Pierce Chapter
Idaho Outdoor Assn.—Boise, Idaho
Kooskia Brink and A Half Club—(Tourist and Recreation Organization)
Grangeville Wildlife Association

Labor Groups, Veterans, Similar Groups

Veterans of Foreign Wars, Orofino, Idaho
American Legion, Pierce and Orofino
American Federation of Labor, Lewiston, Idaho
CIO and AFL, Orofino

Granges

State Grange (Idaho)
Troy Grange, Troy, Idaho
Pomona Grange, Clearwater County
Pomona Grange, Latah County
Kamiah Grange, Kamiah, Idaho
Soil Conservation District, Clearwater County

WIDESPREAD BENEFITS

Sound thinking leaders of the Pacific Northwest support the multipurpose Bruce's Eddy flood control and power project because it is superior to all other sites in providing a combination of these essentials:

1. Effective flood control.
2. Dependable at-site power.
3. Impressive downstream power firming benefits.
4. Immediate construction access.
5. Insignificant damage or disruption to the economy of North Central Idaho or to travel routes of its people.
6. Impressive benefits in making accessible large bodies of private, state and federal timber now not harvestable.
7. No encroachment on lands dedicated to recreation, big game or wild life use.
8. Development of 534,000 kilowatts of power will provide opportunity for added investment of private capital in Clearwater county, broadening the tax base and providing badly needed stimulus to a depressed lumber area.

Need Upstream Storage

Upstream storage such as provided by Bruce's Eddy is vital to the success of the lower Snake River navigation development, for which the Inland Waterways Association and local interests have worked so diligently during the past 20 years.

Power Expansion Vital To Economic Growth

United support for the project from Idaho's congressional delegation has been pledged. The continued development of the state and region is contingent upon ample supplies of power and with the delay of British Columbia in ratification of plans for upper Columbia river development and Libby dam, early action on the Clearwater project is most pressing.

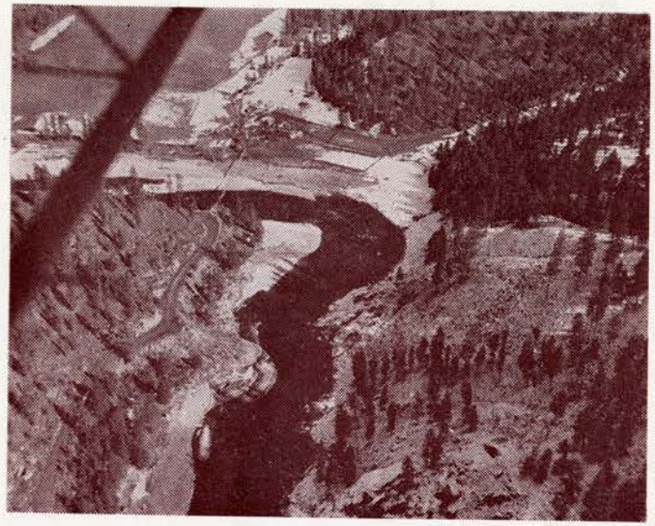
Facts About Bruce's Eddy Flood Control–Power Project

Location ..... North Fork, Clearwater River, four miles northwest of Orofino
Elevation ..... 970 feet above sea level
Drainage area ..... 2440 square miles
Maximum flood of record ..... 100,000 sec. ft.
Annual flood control benefits $2,227,000
Annual power benefits $12,951,000
Project cost:
Initial 3 generators $168,500,000
Ultimate 6 generators $188,000,000
Benefit to cost ratio:
Approximately 2.14 to 1 without recreation benefits

DAM DATA

Type ..... Concrete Gravity, 2500 feet crest; dam top 640 feet above stream bed
Elevation at top of dam ..... 1610 feet
Pool level ..... 1600 feet
Gross storage ..... 3,453,000 acre feet
Length of pool ..... 53 miles
Area of normal pool ..... 17,000 acres
Usable storage ..... 2,000,000 acre ft.
Generators:
Initial three 89,000 kw units
Ultimate six 178,000 kw units
Estimated cost of firm energy ..... 1.79 mills per kwh
Minimum pool elevation ..... 1444 feet
Navigation benefits annual downstream $537,000

At sight benefits would include providing cheaper freight rates to approximately 240,000 acres of timber land, adding marketing facilities for many operators along the reservoir. Milling of finished products instead of movement of logs to more distant mills could bring additional annual benefits up to two million dollars.



Improved Fishing Seen

Plans of the army engineers encompass a tremendous program for rehabilitation of fish and wildlife resources in the Bruce's Eddy pool area. Hatchery developments are being studied and it is assured that the mediocre fishing which has characterized the North Fork will be replaced by a fishery second to none in Idaho.

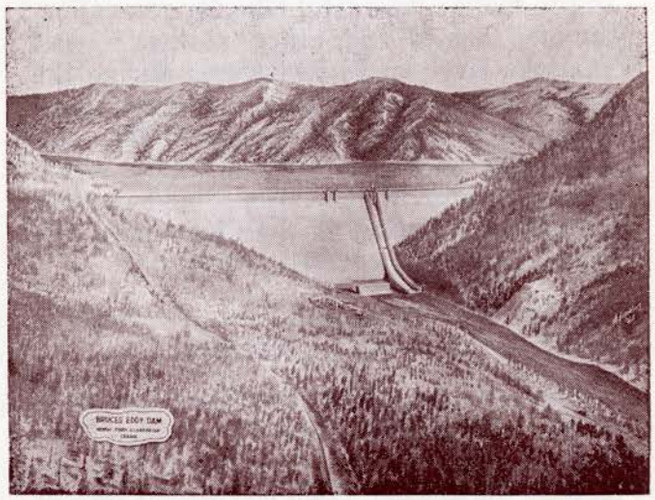
Exhaustive studies by state and federal agencies have demonstrated that there will be minor dislocation of wildlife in the pool area and that an infinitismal portion of Idaho's 80,000 elk will be adversely affected.

Development of a local fishery will provide sport fishing for thousands of reservoir visitors and more than compensate for any impediment the dam may offer to runs of anadromous fish.

This folder compiled July 1961 from data obtained from the U. S. Army Corps of Engineers and other authoritative sources by the Water Resources Committee of the Orofino Chamber of Commerce.

CLEARWATER DAMS ASSOCIATION
and
OROFINO CHAMBER OF COMMERCE
Orofino - - Idaho

Flood Control
HYDRO-ELECTRIC Power
Recreation



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