

REPORT OF W. V. IORNS, CHAIRMAN OF BEAR  
RIVER COMPACT ENGINEERING COMMITTEE TO  
BEAR RIVER COMPACT COMMISSION

December 20, 1951

The Bear River Compact Engineering Committee has held two meetings since the 4th meeting of the Compact Commission at Salt Lake City on March 26 and 27, 1951. However, most of the members of the Engineering Committee have attended the several meetings of the Drafting Committee that have been held, and have actively worked on the problem of formulating a compact.

A report of the Engineering Committee meeting at Salt Lake City, Utah on August 23, 1951 was made to the Commission in the form of a letter to the Chairman of the Commission under date of September 12, 1951.

A report of the second meeting of the Engineering Committee meeting at Logan, Utah on November 1 and 2, 1951 was made in like manner to the Commission in a letter dated December 12, 1951.

In addition to the five reports listed in the minutes of the third meeting of the Compact Commission the following reports have been prepared and distributed to the members of the Compact Commission and its Committees by the Logan Project Office of the Geological Survey.

1. Limiting Flows for Bear River at Border Gaging Station for Allowance of Upstream Storage, dated May 22, 1951.
2. Daily Stream Flow Depletions in Upper and Central Divisions of Bear River Basin, dated May 22, 1951.
3. Available Water Supplies at Potential Reservoir Sites above Bear Lake, dated July 6, 1951.
4. Supplemental Storage Requirements above Bear Lake, dated August 9, 1951.
5. Supplement No. 1 to Daily Stream Flow Depletions in Upper and Central Divisions of Bear River Basin, Dated August 20, 1951.
6. Segregation of Storage and Natural Flow below Bear Lake dated October 30, 1951.
7. Comparison of Suggested Methods of Division of Bear River Waters in the Central Division and Tabulations of Adjudicated and Irrigated acreage in the Central and Upper Divisions, dated December 7, 1951.

In addition, the Logan Office made field examinations and prepared two additional reports, the distribution of which was limited to members of the Compact Commission and members of the Engineering Committee. These reports are:

1. Chapman Canal and Neponset Reservoir, dated August 22, 1951.
2. Existing Irrigation Reservoirs in Bear River Basin above Bear Lake, dated November 28, 1951.

The investigation program of the United States Geological Survey as outlined in a letter, dated October 18, 1950, to the State Engineers of Utah and Wyoming and the State Reclamation Engineer of Idaho and adopted by the Compact Commission at Meeting No. 3 at Evanston, Wyoming has proceeded as outlined, except the proposed gaging station on Bear River below Thomas Fork has not been installed and the gaging station on Cutler Reservoir has been discontinued. The decision of the Engineering Committee to not consider the depletion method removed most of the need for the Bear River below Thomas Fork gaging station. The Cutler Reservoir gaging station was discontinued on recommendation of the Engineering Committee because records obtained at the station did not show correct usable reservoir contents.

Considerable work has been done in the Logan Project Office in assembling permanent files of the analysis studies and original prints that have been prepared in correction with reports. This project is not yet completed but will be in the near future.

*W. V. Iorns*  
W. V. Iorns, Chairman  
Engineering Committee