

BEAR RIVER COMMISSION

Minutes of Regular Meeting held in the Governor's Board Room
Utah State Capitol
April 30, 1962

The regular meeting of the Bear River Commission convened in the Governor's Board Room of the Utah State Capitol Building, Salt Lake City, Utah, on Monday, April 30, 1962, at 9:30 A. M. Chairman E. O. Larson presided.

Voting Commissioners present:

IDAHO

Melvin Lauridsen, Montpelier
Cleo Swenson, Preston
Carl E. Tappan, Boise (Alternate for George N. Carter)

UTAH

Jay R. Bingham, Bountiful
L. B. Johnson, Randolph
A. V. Smoot, Corinne

WYOMING

J. W. Myers, Evanston
Earl Lloyd, Cheyenne
H. T. Person, (Alternate for S. Reed Dayton, Cokeville)

UNITED STATES

E. O. Larson, Chairman, and U. S. Representative

Alternate Commissioners and Advisers present:

IDAHO

Wesley Hubbard, Grace (Alternate)
Russell D. Stoker, Soda Springs
Warren Serrine, Paris (Alternate)

UTAH

L. B. Caine, Logan
Wayne D. Criddle, Salt Lake City (Alternate)
J. L. Weidmann, Honeyville

WYOMING

David P. Miller, Rock Springs
E. J. Van Camp, Chief, Water Resources

OTHERS PRESENT:

Wallace N. Jibson, Ass't. Secretary, Bear River Commission, Logan, Utah
E. J. Skeen (Legal Adviser)
Donald C. Norseth, Utah State Engineer's Office
Robert B. Porter, Utah Power and Light Company
Daniel F. Lawrence, Utah Water and Power Board
Dexter Ellis, Deseret News

CHAIRMAN: We wish to welcome the new Commissioners and Advisers here this morning. The first order of business is the approval of the minutes of the meeting held October 23, 1961.

MR. CRIDDLE: I wish to raise a question as to whether the Advisers should be furnished with a copy of the minutes of the meetings prior to their approval.

COM. BINGHAM: The By-Laws state that the minutes should be approved before distribution.

COM. SMOOT: I make a motion that we make a list of the Adviser's names at each meeting and that this list be given to Mr. Jibson so that these Adviser's may receive copies in advance of approval.

COM. LAURIDSEN: I second the motion.

CHAIRMAN: Motion carried.

CHAIRMAN: What then is your pleasure for the minutes?

COM. SMOOT: I make a motion that the minutes be approved.

COM. LAURIDSEN: I second the motion.

CHAIRMAN: Motion carried.

REPORT OF CHAIRMAN

CHAIRMAN: I do not have anything to report at this meeting.

REPORT OF SECRETARY-TREASURER

COM. BINGHAM: Asked that Mr. Robert Berrett make a report on the financial condition of the Commission.

(Mr. Berrett reported on the Statement of Income and Expenditures for the period July 1, 1961 to April 30, 1962. This statement is attached hereto and made a part of the minutes).

MR. BERRETT: The audit of Lincoln G. Kelly has been found in order and it has been forwarded to each Commissioner.

COM. JOHNSON: I make the motion that we receive and file the Financial Report.

COM. LLOYD: I second the motion to receive and file the Financial Report.

BEAR RIVER COMMISSION
STATEMENT OF INCOME AND EXPENDITURES
FOR THE PERIOD JULY 1, 1961 TO APRIL 30, 1962

	<u>Cash</u> <u>on Hand</u>	<u>Approved</u> <u>Budget</u>	<u>Assessment</u> <u>Outstanding</u>	<u>Total</u> <u>Revenue</u>
<u>INCOME</u>				
Cash Balance 7-1-61	\$2,496.25	\$ - - -	\$ - - -	\$2,496.25
State of Wyoming	- - -	8,900.00	- - -	8,900.00
State of Idaho	- - -	8,900.00	- - -	8,900.00
State of Utah	- - -	8,900.00	- - -	8,900.00
TOTAL INCOME TO APRIL 30, 1962	<u>\$2,496.25</u>	<u>\$26,700.00</u>	<u>None</u>	<u>\$29,196.25</u>
<u>DEDUCT OPERATING EXPENSE</u>				
<u>EXPENDED THROUGH U.S.G.S.</u>				
	<u>Approved</u> <u>Budget</u> <u>(Adjusted)</u>	<u>Unexpended</u> <u>Balance</u>	<u>Total</u> <u>Expenditure</u>	
Stream Gaging	\$15,300.00	\$ 7,553.00	\$ 7,747.00	
Personal Service	7,300.00	3,923.00	3,377.00	
Travel	1,000.00	366.00	634.00	
Fiscal Charge	340.00	124.00	216.00	
Washington Office Charge	740.00	376.00	364.00	
General Office	270.00	124.00	146.00	
Sub-Total	<u>\$24,950.00</u>	<u>\$12,466.00</u>	<u>\$12,484.00</u>	
<u>EXPENDED THROUGH COMMISSION:</u>				
General Office Expense	100.00	33.54	66.46	
Printing Annual Report, etc.	595.00	595.00	- - -	
Treasurer Bond & Audit	250.00	- - -	250.00	
Transcription of Minutes	105.00	70.00	35.00	
Miscellaneous	400.00	46.29	353.71	
Legal Consultant	300.00	- - -	300.00	
Sub-Total	<u>\$ 1,750.00</u>	<u>\$ 744.83</u>	<u>\$ 1,005.17</u>	
Total Disbursements	<u>\$26,700.00</u>	<u>\$13,210.83</u>		<u>\$13,489.17</u>
UNEXPENDED CASH BALANCE AS OF APRIL 30, 1962				<u>\$15,707.08</u>

BEAR RIVER COMMISSION
DETAIL OF EXPENDITURES FOR THE
PERIOD ENDED APRIL 30, 1962

<u>Voucher Number</u>	<u>Vendor</u>	<u>Amount</u>
42	Postmaster	\$ 40.00
43	Cancelled	
44	Service Press	7.00
50	Kolob Corporation	50.00
51	Marguerite Irvine	35.00
52	U. S. Geological Survey	6,521.00
53	Cache County Corporation	300.00
54	Lincoln G. Kelly	200.00
55	U. S. Geological Survey	5,963.00
56	Lee's American Oil	32.21
57	Skeen and Skeen	300.00
58	Lee's American Oil	21.50
59	First Security Bank	19.46
<u>TOTAL EXPENDITURES - PER PAGE -3-</u>		<u>\$13,489.17</u>

RECONCILEMENT OF CASH ON HAND AND IN BANK

AS OF APRIL 30, 1962

Cash in Bank Per Statement	\$15,707.03
<u>Deduct:</u> Checks Outstanding	- - - -
 Petty Cash on Hand 4/30/62	 <u>None</u>
 <u>TOTAL CASH ON HAND AND IN BANK AS OF APRIL 30, 1962</u>	 <u>\$15,707.03</u>

COM. JOHNSON: I would like to commend our fiscal management for coming out with an unexpended cash balance of \$15,707.00.

CHAIRMAN: This financial statement shows that expenses have been held to a minimum all the way through.

REPORT OF ASSISTANT SECRETARY

(Mr. Jibson distributed copies of his report to the Commission -- copy is attached hereto)

MR. JIBSON: The annual report is not ready for distribution at this time. This is due to a very heavy workload. In addition, we have been obliged to enter into an agreement with the Public Health Service in connection with pollution studies on Bear River. A large amount of time has been taken up in field studies for installation of nine gaging stations.

I would also like to mention that publication procedure by the Geological Survey is being changed. We will publish a Water-Supply Paper every five years. In the interim period, there will be an annual report published each year on a State basis. This means that in Bear River basin, we will need reports from the Boise, Salt Lake City, and Cheyenne offices to cover the entire basin. (It has since been decided to publish all Bear River basin records in the Utah State report). In order to save printing costs on our Commission report, we have decided to use the same original record of streamflow for both reports.

(Mr. Jibson discussed from his report the proposal to discontinue stream-gaging stations on Mill Creek, Yellow Creek, Twin Creek, and Mink Creek. A question was raised by Com. Johnson concerning the desirability of retaining the gaging station on Yellow Creek because of its relationship to recent development of stock-watering ponds which are an item of concern to the irrigators in this area.)

COM. JOHNSON: There are considerable difficulties at the present time with the local people. What are we going to do about this situation? Did the gaging station help in any way here?

MR. JIBSON: Our gaging station records have not entered into the controversy.

COM. JOHNSON: No doubt the records there have been altered by the ponds built up behind. A lot of unrest has been caused by stock-watering ponds.

MR. JIBSON: Our stream-gaging station would of course, be the only source of streamflow data. There are so many factors that affect streamflow that we may not readily see the effect of stock-watering ponds installed in recent years.

COM. JOHNSON: I would like the minutes to show that there is grave dissatisfaction in that part of Utah because of what is happening in the building of stock-watering ponds.

MR. JIBSON: If it is the feeling of the Commission that we retain that stream gaging station, (Yellow Creek near Evanston) we will be glad to do so.

MR. JIBSON: Good progress has been made in the past few years in the installation of headgates, but there are still a few holdouts who are not adhering to the program.

REPORT TO BEAR RIVER COMMISSION

April 30, 1962

Wallace N. Jibson
Assistant Secretary

Hydrology

Adequate supplies of water in Bear River basin are pretty well assured for the coming irrigation season. April 1 forecasts indicate that April - September runoff from the Upper Bear will be about 115 percent of the 1943-57 average and 200 percent of last year. Smiths Fork and other lower tributaries in the Bear Lake area are likely to range up to 150 percent of the 15-year average and more than 300 percent of 1961. Cache Valley streams should contribute from 105 to 125 percent of average flows during the season.

Precipitation and high temperatures in mid-February resulted in abnormally high runoff from low and intermediate water sheds. Frozen soil at all elevations prevented absorption of the water and a high proportion went into runoff. The new reservoir at Woodruff Narrows and Bear Lake intercepted all flow above the lake, while a flow of more than 9,000 cfs accumulated in the lower river and was discharged into Salt Lake.

Most, if not all, of the melted snow was subsequently replaced and high flows again were experienced in early April. Cool weather now has moderated the rate of snowmelt, though runoff continues at above-normal rates.

As would be expected, Bear Lake has made substantial gains from the two snowmelt periods increasing by more than 200,000 acre-feet and 3 feet in water-surface elevation since last October. Present elevation is about 5,913 feet with usable content of 700,000 acre-feet. This is still 114,000 acre-feet below that of April 30 last year, but subsequent storable supply

is expected to more than offset this deficit and raise the lake above the high of last year. Woodruff Narrows Reservoir has been maintained at from 16,000 to 20,000 acre-feet for the past month with average inflow being passed through the outlet works.

Stream Gaging

A gaging station on Summit Creek above Smithfield, Utah was installed in November 1961 to be operated for a 5-year period as a secondary type of streamflow station. In line with our program of strengthening the gaging-station network by the addition of 5-year stations on previously ungaged streams, it is also necessary to discontinue certain stations for which the period of record appears to be adequate. Therefore, with your approval, we propose to discontinue the following stations as of September 30, 1962:

Mill Creek at Utah-Wyoming State line (Utah) /

~~Yellow Creek near Evanston, Wyoming (Utah)~~ *See Minutes*

Twin Creek at Sage, Wyoming (Wyoming) /

Mink Creek below Dry Fork near Mink Creek, Idaho (Idaho) /

A few months ago, we were requested by the Public Health Service to install a total of nine gaging stations on Cub River, Cub River Canal, and Worm Creek in the vicinity of the Idaho-Utah State line above and below sources of pollution. Installation and operational costs for such stations are being provided from Federal funds through the Public Health Service. About four periods of sampling each year by PHS personnel will enable the determination of annual amounts of pollution based on our continuous records of streamflow at the sampling sites. We are now engaged in the installation of these stations, about half of which will be operated only through the irrigation season and periods of sugar beet processing.

We assisted the water commissioner at Cokeville in securing and installing six recorder shelters on canals in the Wyoming section of the Central Division. Weekly-type recorders will be installed in the

next few days which will increase to eleven the number of canals in this section equipped with water-stage recorders.

Again, I would like to stress the need of measuring devices on all but the larger canals. Also, a few canals remain in which owners refuse to install adequate headgates. This is not only in violation of State law but is a source of irritation to other users in the area and multiplies the problems of the local commissioner.

At our last meeting, a motion was passed calling for further study and recommendations on the measurement of Rainbow inlet canal during periods of low flow. It is my recommendation that the present gage operated by Utah Power and Light Company be continued as the point and source of measurement for the Rainbow canal, but during periods of low flow an adjustment would be made to exclude channel accretion between the point of diversion and the gage. Such adjustments would be based on spot measurements secured at intervals during the periods of low flow.

Applications for Appropriation

The attached list includes all applications received from the State Engineers since the meeting in October 1961.

Applic Number	Date of Filing	Name	Source	Use	Location	Amount	Presented to Commission
<u>STATE OF UTAH</u>							
33889	10-26-61	Merlin W. Kendrick	Underground	Dom. Irrig.	S17 T11N R1E Cache	0.015 cfs	4-30-62
33890	10-26-61	Frank B. Snow	Underground	Dom. Irrig.	S11 T12N R1W Cache	0.1 cfs	4-30-62
33891	10-27-61	James S. Parker	Underground	Irrig. Stock	S2 T10N R1W Cache	1.0 cfs	4-30-62
33946	11-24-61	Gordon W. Ricks	Underground	Irrig.	S13 T12N R1W Cache	2.0 cfs	4-30-62
33962	11-28-61	Clinton L. Liechty	Drain Water	Irrig. Stock	S8 T11N R1E Cache	1.0 cfs	4-30-62
33966	12-6-61	Reuel Call	Underground	Dom. Stock Irrig.	? Cache	0.10 cfs	4-30-62
33973	12-8-61	Vere H. Johnson	Underground	Stock Irrig.	S27 T12N R1E Cache	0.015 cfs	4-30-62
33978	12-12-61	William D. Hansen	Drain	Irrig. Stock	S9 T11N R1E Cache	2.0 cfs	4-30-62
33985	12-15-61	Bert Savage	Underground	Washing Gravel	S3 T10N R1E Cache	0.25 cfs	4-30-62
33988	12-20-61	Joseph B. White	Underground	Fish Culture	S33 T10N R1E Cache	6.0 cfs	4-30-62
33990	12-20-61	Dean E. Smith	Drains	Irrig. Stock	S3 T13N R1E Cache	2.0 cfs	4-30-62
33994	12-26-61	Hyrum City Corporation	Cold Water Spring	Municipal	S9 T10N R2E Cache	3.0 cfs	4-30-62
33995	12-26-61	Hyrum City Corporation	Blacksmith Fork R.	Municipal	S8 T10N R1E Cache	1,000 Ac-ft	4-30-62
33997	12-28-61	Gerald E. McIlrath	Underground	Dom. Mun. Irrig.	S21 T12N R1E Cache	0.2 cfs	4-30-62
34004	12-29-61	Marvin Bair	Drain Ditch	Irrigation	S5 T14N R1E Cache	1.5 cfs	4-30-62
34006		Johnson Ready Mix Co.	Logan River	Industrial	S3 T11N R1E Cache	1.0 cfs	4-30-62
34009	1-5-62	John Merrill Stone	Underground	Dom. Stock Irrig.	S22 T10N R2W Box Eld.	.10 cfs	4-30-62
34017	1-8-62	Griffeth Roberts	Underground	Dom. Stock	S32 T15N R5E Rich	0.1 cfs	4-30-62
34033	1-15-62	Richard DeLoy Thalman	Underground	Irrig. Dom. Stock	S1 T11N R1W Cache	0.015 cfs	4-30-62
34061	2-2-62	Larry M. Nielsen	Underground	Dom. Irrig.	S17 T11N R1E Cache	0.015 cfs	4-30-62
34087	2-16-62	Uel C. Hunting	Underground	Dom. Irrig.	S28 T12N R1E Cache	0.1 cfs	4-30-62
34088	2-16-62	Uel C. Hunting	Underground	Dom. Irrig.	S27 T12N R1E Cache	0.1 cfs	4-30-62
34089	2-16-62	William K. Mitton	Underground	Dom. Stock	S14 T10N R1W Cache	0.015 cfs	4-30-62
34099	2-26-62	Garden City	Swan Spring	Municipal	S6 T14N R5E Rich	1.0 cfs	4-30-62
34100	2-27-62	Joe A. Starkey	Underground	Dom. Stock Irrig.	S13 T10N R1W Cache	0.1 cfs	4-30-62
34104	2-28-62	Swan Creek Electric Co.	Swan Creek	Power	S6 T14N R5E Rich	28.0 cfs	4-30-62
34117	3-5-62	Hyrum City Corp.	Underground	Municipal	S10 T10N R1E Cache	10.0 cfs	4-30-62
34123	3-8-62	Dean L. Bunderson	Underground	Stock Dom.	S11 T9 N R2W Box Eld.	0.1 cfs	4-30-62
34129	3-12-62	Elmer C. J. Peterson	Underground	Dom. Stock Irrig.	S5 T11N R3W Box Eld.	0.1 cfs	4-30-62
34130	3-12-62	Elmer C. J. Peterson	Underground	Irrig. Stock	S5 T11N R3W Box Eld.	1.5 cfs	4-30-62
34131	3-13-62	Lewis R. Boman	Drain	Irrig. Stock	S19 T14N R1E Cache	2.0 cfs	4-30-62
34145	3-16-62	Leo D. Perkes	Underground	Irrig. Stock	S9 T12N R1E Cache	1.0 cfs	4-30-62
34149	3-17-62	Call Enterprises Inc.	Underground	Domestic	S27 R9 N R1W Box Eld.	1/3 cfs	4-30-62
34152	3-21-62	Charles Henry Morrison	Underground	Dom. Stock	S20 T13N R6E Rich	.03 cfs	4-30-62
34158	3-22-62	Stephen Henderson	Underground	Dom. Stock	S5 T11N R3W Box Eld.	.10 cfs	4-30-62
34175	3-28-62	Wesley T. Hansen	Underground	Dom. Stock	S29 T11N R4W Box Eld.	0.1 cfs	4-30-62

Applic Number	Date of Filing	Name	Source	Use	Location	Amount	Presented to Commission
<u>STATE OF UTAH (Cont.)</u>							
4180	3-29-62	Logan Cow Pasture Co.	Logan River	Irrigation	2 wells Cache	8.0 cfs	4-30-62
34181	3-30-62	West Carrine Water Co.	Baker Springs	All uses	S25 T10N R2W Box Eld.	1.25 cfs	4-30-62
34196	4- 5-62	Utah State University	Underground	Irrig. Stock	3 wells Cache	1.5 cfs	4-30-62
4203	4- 6-62	Preston D. Alder	Underground	Irrigation	S8 T11N R1E Cache	1.0 cfs	4-30-62
<u>STATE OF IDAHO</u>							
38275	10-6-61	Cub R. Irrigation Co.	Cub R. & Worm Cr.	Irrigation	S8 T15S R41E Franklin	2,000 Ac-ft	4-30-62
38316	11-1-61	Ernest & Walter Beutler	Underground	Irrigation	S23 T15S R38E Franklin	3.0 cfs	4-30-62
38375	12-14-61	A. G. Cendie	Battle Creek	Irrigation	S16 T14S R39E Franklin	111 Ac-ft	4-30-62
38387	1- 9-62	Preston-Whitney Res. Co.	Cub River	Irrigation	S20 T15S R40E Franklin	730 Ac-ft	4-30-62
38426	2-12-62	Preston-Whitney Irrig. Co.	Cub River	Irrigation	S8 T15S R40E Franklin	12,000 Ac-ft	4-30-62
38515	4-11-62	Thomas T. Piggott	Spring Creek	Irrigation	S2 T15S R43E Bear L.	1.6 cfs	4-30-62
<u>STATE OF WYOMING</u>							
WV 2-6-92	2-20-62	W. A. & L. A. Dimond	Underground	Irrigation	S2 T24N R119W Lincoln	5.0 cfs	4-30-62
18 6/280	10-18-61	Woodruff Narrows Res. Co.	Bear River	Irrigation	S14 T9 N R7E Uinta	274 cfs	4-30-62
18 2/295	11-28-61	Hight M. Proffit	Sulphur Creek	Irrigation	S20 T14N R119W Uinta	.25 cfs	4-30-62
18 4/313	1-16-62	Ben R. Lowham	Trib. Yellow Cr.	Stockwater	S8 T12N R120W Uinta	3.4 ac-ft	4-30-62
18 3/313	1-16-62	Ben R. Lowham	Trib. Yellow Cr.	Stockwater	S8 T12N R120W Uinta	4.3 ac-ft	4-30-62
18 4/358	4- 9-62	Louis W. Roberts	Bear River	Irrig. Stock	Tr2 T25N R119W Lincoln	14.7 cfs	4-30-62