



United States Department of the Interior

BUREAU OF RECLAMATION

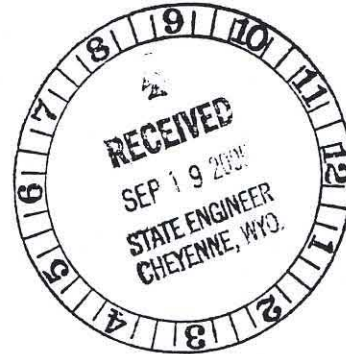
Great Plains Region
Wyoming Area Office
P.O. Box 1630
Mills, Wyoming 82644-1630



IN REPLY REFER TO:

WY-4100
WTR-4.10

SEP 16 2005



Ms. Nancy D. McCann
Big Horn Adjudication Manager
State Engineer's Office
Herschler Building 4E
122 West 25th Street
Cheyenne, WY 82002

Subject: Bighorn Basin, Adjudication of Water Rights, Anchor Reservoir, Permit No. 6902R

Dear Ms. McCann:

This is in follow-up to our June 2, 2005, meeting and your e-mail dated August 18, 2005, which requested additional information from the Bureau of Reclamation regarding Anchor Reservoir.

Enclosed are copies of a plan and profile drawing of Anchor Dam and a general plan of the dike area showing profile details of the dikes for your reference.

Reclamation has prepared several reports to quantify the hydrology associated with Anchor Reservoir. The information from one such report entitled, *Report on Anchor Dam and Reservoir 1976-1984*, was used to determine the maximum amount of water accrued to the reservoir for water years 1976 through 1984. This report includes reservoir operations with the dikes which were completed in 1975. Using the information in the report, the reservoir accrued a total of 22,310 acre-feet (AF) in 1978, of which 14,396 AF was attributed to reservoir loses. In 1983, the reservoir accrued a total of 20,821 AF of which 11,384 AF was attributed to reservoir loses. This information clearly demonstrates that we accrued and stored, considering loses, in excess of the 17,412 AF under Permit No. 6902R. The report was officially transmitted to Reclamation Engineering and Research Center by letter from the Regional Engineer dated November 30, 1984. Supporting information from the report is enclosed.

Therefore, we are returning the original Proof of Construction of Reservoir and unsigned elimination forms (enclosed) provided by your letter of April 13, 2005, as we do not agree that the Permit No. 6902R should be reduced to 7,396 AF.

Sincerely,

John H. Lawson
Area Manager

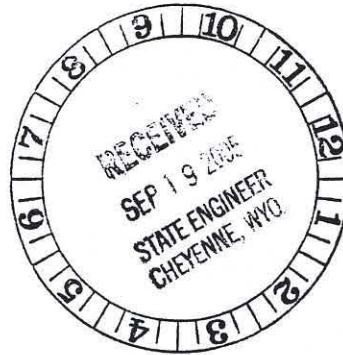
9/21/05
Nm

Refer to Table 8
Sheet 2 of 5
highest storage amt
of 8270^{ac-ft} used for
adjudication of
Enclosures Anchor Reservoir.



cc: Mr. Loren Smith
Superintendent of Water Division 3
Wyoming State Engineer's Office
715 East Roosevelt
Riverton, WY 82501 (w/o encls)

Mr. Joe Campbell, President
Owl Creek Irrigation District
P.O. Box 509
Thermopolis, WY 82443 (w/o encls)



ARC050 VI.4F 09-Dec-1997, Report For Water Year 1967
 Station Ident: ANCR Anchor Reservoir, South Fork Owl Creek, WY
 Parameter code: AF Reservoir Storage Content (acre-feet)

Run 11/0

Day	October	November	December	January	February	March	April	May	June	July	August
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.	0.	202.	9038.	1
3	0.	0.	0.	0.	0.	0.	0.	0.	309.	9134.	1
4	13.	0.	0.	0.	0.	0.	0.	0.	702.	9111.	1
5	17.	0.	0.	0.	0.	0.	0.	0.	1021.	9252.	1
6	23.	0.	0.	0.	0.	0.	0.	0.	1235.	9241.	1
7	20.	0.	0.	0.	0.	0.	0.	0.	1575.	9074.	1
8	20.	0.	0.	0.	0.	0.	0.	0.	1797.	8860.	1
9	11.	0.	0.	0.	0.	0.	0.	0.	1899.	8589.	1
10	0.	0.	0.	0.	0.	0.	0.	0.	2018.	8350.	1
11	0.	0.	0.	0.	0.	0.	0.	0.	2073.	8060.	1
12	0.	0.	0.	0.	0.	0.	0.	0.	2122.	7773.	1
13	0.	0.	0.	0.	0.	0.	0.	0.	2271.	7509.	1
14	0.	0.	0.	0.	0.	0.	0.	0.	2445.	7203.	1
15	0.	0.	0.	0.	0.	0.	0.	0.	2851.	6927.	1
16	0.	0.	0.	0.	0.	0.	0.	0.	3294.	6615.	1
17	0.	0.	0.	0.	0.	0.	0.	0.	3641.	6289.	1
18	0.	0.	0.	0.	0.	0.	0.	0.	3988.	5897.	1
19	0.	0.	0.	0.	0.	0.	0.	81.	4300.	5488.	1
20	0.	0.	0.	0.	0.	0.	0.	53.	4671.	5094.	1
21	0.	0.	0.	0.	0.	0.	0.	0.	5347.	4694.	1
22	0.	0.	0.	0.	0.	0.	0.	0.	6130.	4311.	1
23	0.	0.	0.	0.	0.	0.	0.	0.	6601.	3961.	1
24	0.	0.	0.	0.	0.	0.	0.	160.	7206.	3658.	1
25	0.	0.	0.	0.	0.	0.	0.	303.	7454.	3349.	1
26	0.	0.	0.	0.	0.	0.	0.	335.	7567.	2987.	1
27	0.	0.	0.	0.	0.	0.	0.	461.	7702.	2709.	1
28	0.	0.	0.	0.	0.	0.	0.	428.	7971.	2391.	1
29	0.	0.	0.	0.	0.	0.	0.	211.	8356.	2113.	1
30	0.	0.	0.	0.	0.	0.	0.	0.	8622.	1950.	1
31	0.	0.	0.	0.	0.	0.	0.	0.	8815.	1762.	1
Minimum	0.	0.	0.	0.	0.	0.	0.	0.	202.	1511.	1
Maximum	23.	0.	0.	0.	0.	0.	0.	461.	8815.	9252.	1
Average	3.	0.	0.	0.	0.	0.	0.	79.	4140.	5900.	1

Record
 Revised
 Recommendation
 based upon
 9252 ac-ft
 of * MAY

