

certificates of value given
transferred right to 205.

This is to certify that the Wood Live Stock Company, of Menah, County of Jefferson, State of Idaho, has certain rights to the use of the waters of Snake River, for irrigation and domestic purposes, and that said rights have been confirmed by decree of the District Court of the Sixth Judicial District of the State of Idaho, in and for the County of Fremont, in the case entitled "Reuberg Irrigation Company, et al, plaintiffs, vs. Rezon Irrigation Canal Company, et al, defendants," J. H. Stevens, District Judge, wherein the following water rights, in Water District No. 56, were decreed to the Long Island Canal Company;

0.428	2000	2000	inches, dated June 11, 1880, from South Fork San Jo River;	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0.643	3000	3000	1, 1881	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1882	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1883	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1884	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1885	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1886	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1887	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1888	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	3000	3000	1, 1889	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

0.428
0.643
8240

1-1148

that the Wood Live Stock Company is the holder and owner of three shares of stock, representing 300 inches of water, in the Long Island Canal Company and that said water was made appurtenant to the following described lands, to-wit: Southeast quarter (SW¹/₄), Sec. 31, Twp. 5 N., Range 38 E., R.M., and the Northwest quarter of Northeast quarter (NW¹/₄NE¹/₄), and Northeast quarter of Northeast quarter (NE¹/₄NE¹/₄), Sec. 6, Twp. 4 N., Range 38 E., R.M.; that said decree has been entered at Boise, Idaho, in the records of the Department of Reclamation of the State of Idaho, in Vol. 3 of Decrees, at page 450; that, upon the application of the Wood Live Stock Company for a transfer of water right, and the said application having been granted, the right to the use of 300 inches, or 6 second feet, of the waters of South Fork of Snake River upon the lands above described is hereby abandoned and a description of the lands to be irrigated under such right and to which the water right hereby confirmed shall by this certificate become appurtenant, for irrigation and domestic purposes, is shown in the following table, limited at any given time to an amount actually needed and beneficially used for such purposes and shall not exceed the following amount, to-wit:

6 percent foot							
			NP%	DP%	SP%	SE%	
Wp.	Rce.	Sec.	HANDWRITING	READING	ARITHMETIC	WORLD HISTORY	Total
5N	38E	1					320
5N	39E	6	40	40	40	40	220

The right to the use of the waters aforesaid, hereby confirmed, is restricted to the lands or place of use herein described, as provided by the Laws of the State of Idaho, and the water under this certificate of transfer shall be delivered on a pro-rata basis from the various amounts decreed to the Long Island Irrigation Company.

WITNESS, The seal and signature of the Commissioner of Reclamation of the state of Idaho, affixed at Boise, Idaho, this 16th day of September, 1920.

Long John Silver

W. W. W. W.
Commissioner of Reclamation

3.1

Figure 1 is a line graph with the following data points (approximate values):

Number of hauls	<i>P. setiferus</i> (%)	<i>P. setiferus</i> + <i>P. setiferus</i> + <i>P. setiferus</i> (%)	<i>P. setiferus</i> + <i>P. setiferus</i> + <i>P. setiferus</i> (%)
1	100	100	100
2	80	80	80
3	60	60	60
4	40	40	40
5	20	20	20
6	10	10	10
7	5	5	5
8	2	2	2
9	1	1	1
10	0	0	0

Canal Company, by Judge J. M. Stevens, of the District Court of the Sixth Judicial District of the State of Idaho, in and for the County of Fremont, in the case of

VS.

Defendants,

of Idaho, to-wit:

Township 4 North, Range 40 East, B. M.

crees, at Page 450.

Water right by purchase.

shall become appurtenant by this certificate, for
 estic purposes, are described as follows, to-wit:

Township 3 North, Range 39 East, B. M.

shall not exceed the following amount, to-wit:

of priority of June 1, 1885.

NE $\frac{1}{4}$ Section 29, Township 4 North, Range 40 East, B. M.

Range 40 East, B. M.

Figure 6

Estimated probabilities of infection by *S. Typhimurium* from consumption of raw milk ($n = 1000$) under different assumptions regarding the effect of pasteurization on the number of bacteria per litre.

The figure consists of two bar charts, (a) and (b), showing estimated probabilities of infection on a logarithmic scale from 10⁻⁷ to 10⁻¹. Chart (a) shows results for a 99% reduction in bacterial count, while chart (b) shows results for a 99.9% reduction. Both charts compare three scenarios: 'No change' (white bars), 'Reduced' (light grey bars), and 'Increased' (dark grey bars). In both cases, the 'Reduced' scenario shows significantly lower infection probabilities compared to the other two.

Scenario	Probability of infection
No change	~10 ^{-5.8}
Reduced	~10 ^{-6.8}
Increased	~10 ^{-5.5}

Scenario	Probability of infection
No change	~10 ^{-6.2}
Reduced	~10 ^{-7.2}
Increased	~10 ^{-5.8}

That the right to the use of the water aforesaid, hereby confirmed, is restricted to the lands or place of use last above described, as provided by the laws of the State of Idaho.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the official seal of the Department of Reclamation of the State of Idaho to be hereunto affixed, at Boise, Idaho, this 14th day of July, A. D. 1947.

Mark R. Kulp

MARK R. KULP

State Reclamation Engineer

That the right to the use of the water aforesaid, hereby confirmed, is restricted to the lands or place of use last above described, as provided by the laws of the State of Idaho.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the official seal of the Department of Reclamation of the State of Idaho to be hereunto affixed, at Boise, Idaho, this 14th day of July, A. D. 1947.

That the right to the use of the water aforesaid, hereby confirmed, is restricted to the lands or place of use last above described, as provided by the laws of the State of Idaho.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the official seal of the Department of Reclamation of the State of Idaho to be hereunto affixed, at Boise, Idaho, this 14th day of July, A. D. 1947.

Mark R. Kulp

MARK R. KULP

State Reclamation Engineer

SCANNED

MAY 23 2007

PROVIDED

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

1-35 T

CERTIFICATE OF WATER RIGHT
Transferred Right No. 529

THIS IS TO CERTIFY, That OREGON MORTGAGE COMPANY, by J. H. Holland, agent, of Rigby, Idaho, is the owner of, and using, a certain water right bearing date of priority of June 1, 1885, for 0.4 cubic feet per second of the waters of South Fork of Snake River, County of Jefferson, State of Idaho, being a fractional part of the waters decreed to Butler Island Canal Company by decree of Judge J. M. Stevens of the Sixth Judicial District of the State of Idaho, in and for the County of Jefferson, in the case of

RUEBURG IRRIGATION CO. VS. TETON IRRIGATION CO.,

said decree bearing date of December 16, 1910, for the purpose of irrigating the following described lands situate, lying and being in Water District No. 36, in the County of Jefferson, State of Idaho,

to-wit:

Lots One (1) and Two (2), in Section Twenty (20), in Township Four (4) North of Range Forty (40) East of the Boise Meridian.

That said Oregon Mortgage Company has become the owner of said water right by purchase.

That, now, upon the application of OREGON MORTGAGE COMPANY for a transfer of said water right, amounting to 0.4 cubic feet per second of water, made before the Commissioner of Reclamation of the State of Idaho, and the said application having been granted, the right to the use of

0.4 cubic feet per second of the waters of South Fork of Snake River

upon the lands above described is hereby ABANDONED, and the lands to

be irrigated under such right, and to which the water right hereby confirmed shall become appurtenant, by this certificate, for irrigation and domestic purposes, are described as follows:

Commencing 80 rods North of the Southeast corner of the Southeast Quarter (SE $\frac{1}{4}$) of Section Thirty (30), in Township Four (4) North of Range Forty (40) East of the Boise Meridian, and running thence West 160 rods; thence North 50 rods; thence in a Southeasterly direction along the Harrison Canal to the East line of Section Thirty (30); thence South 5 rods, more or less, to the place of beginning,

situate, lying and being in the County of Jefferson and State of Idaho, said water to be limited at any given time to an amount actually needed and beneficially used for such purposes and shall not exceed the following amount, to-wit:

0.4 cubic feet per second, dated June 1, 1885.

The water right hereby transferred has heretofore been diverted from said South Fork of Snake River at a point in the

Northeast Quarter of the Northwest Quarter (NE $\frac{1}{4}$ NW $\frac{1}{4}$) of Section Thirty-five (35), Township Four (4) North of Range Forty (40) East of the Boise Meridian,

through ditch of the Butler Island Canal Company; and will hereafter be diverted at a point in the

Northwest Quarter of the Southwest Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section Twenty-seven (27), Township Four (4) North of Range Forty (40) East of the Boise Meridian,

through ditch of the Harrison Canal Company.

That in addition to the foregoing right, the last above described lands have appurtenant to them an inadequate water supply as evidenced by shares of stock in the Harrison Canal Company.

That the right to the use of the water aforesaid, hereby confirmed, is restricted to the lands or place of use last above described, as provided by the laws of the State of Idaho.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the Department of Reclamation of the State of Idaho to be hereunto affixed at Boise, Idaho, this 22nd day of March, 1934.

R. W. FARIS

Commissioner of Reclamation

By  Director of Water Resources

1-35M

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
CERTIFICATE OF WATER RIGHT
Transferred Right No. 339.

This is to certify that Alvin Coles, of Rigby, County of Jefferson, State of Idaho, has a right to the use of the waters of Snake River, for irrigation and domestic purposes, and that said right has been confirmed by decree of the District Court of the Sixth Judicial District of the State of Idaho, in and for the County of Fremont, in the case entitled "Rexburg Irrigation Company, et al, plaintiffs, vs. Teton Irrigation Canal Company, et al, defendants," J. M. Stevens, District Judge, wherein certain waters of Snake River were decreed to the Butler Island Canal Co., to be carried through the Great Feeder Canal, diverted at a point in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35, Twp. 4 N., Range 40 E., B. M., in Water District No. 36, for the irrigation of the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 28, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21, and the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20, Twp. 4 N., R. 40 E., B. M., bearing date of priority of June 1, 1885; that said decree has been entered at Boise, Idaho, in the records of the Department of Reclamation of the State of Idaho, in Book 3 of Decrees, at page 450; that, upon the application of Alvin Coles for a transfer of water right, made before the Commissioner of Reclamation of the State of Idaho, and the said application having been granted, the right to the use of 1-1/5 second feet of the waters of Snake River, upon the lands above described is hereby abandoned and a description of the lands to be irrigated under such right and to which the water right hereby confirmed shall by this certificate become appurtenant, for irrigation and domestic purposes, is shown in the following table, limited at any given time to an amount actually needed and beneficially used for such purposes and shall not exceed the following amount, to-wit:

1-1/5 sec. ft. - dated June 1, 1885:

and that said water will be conducted to the place of use through the Harrison Canal, diverted at a point in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27, T. 4 N. R. 40 E.,

Twp. Rge. Sec. -- NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ -NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ -NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ - Totals			

4N	39E	33	80

The right to the use of the waters aforesaid, hereby confirmed, is restricted to the lands herein described, as provided by the laws of the State of Idaho.

WITNESS, The seal and signature of the Commissioner of Reclamation of the State of Idaho, affixed at Boise, Idaho, this 17th day of November, 1923.

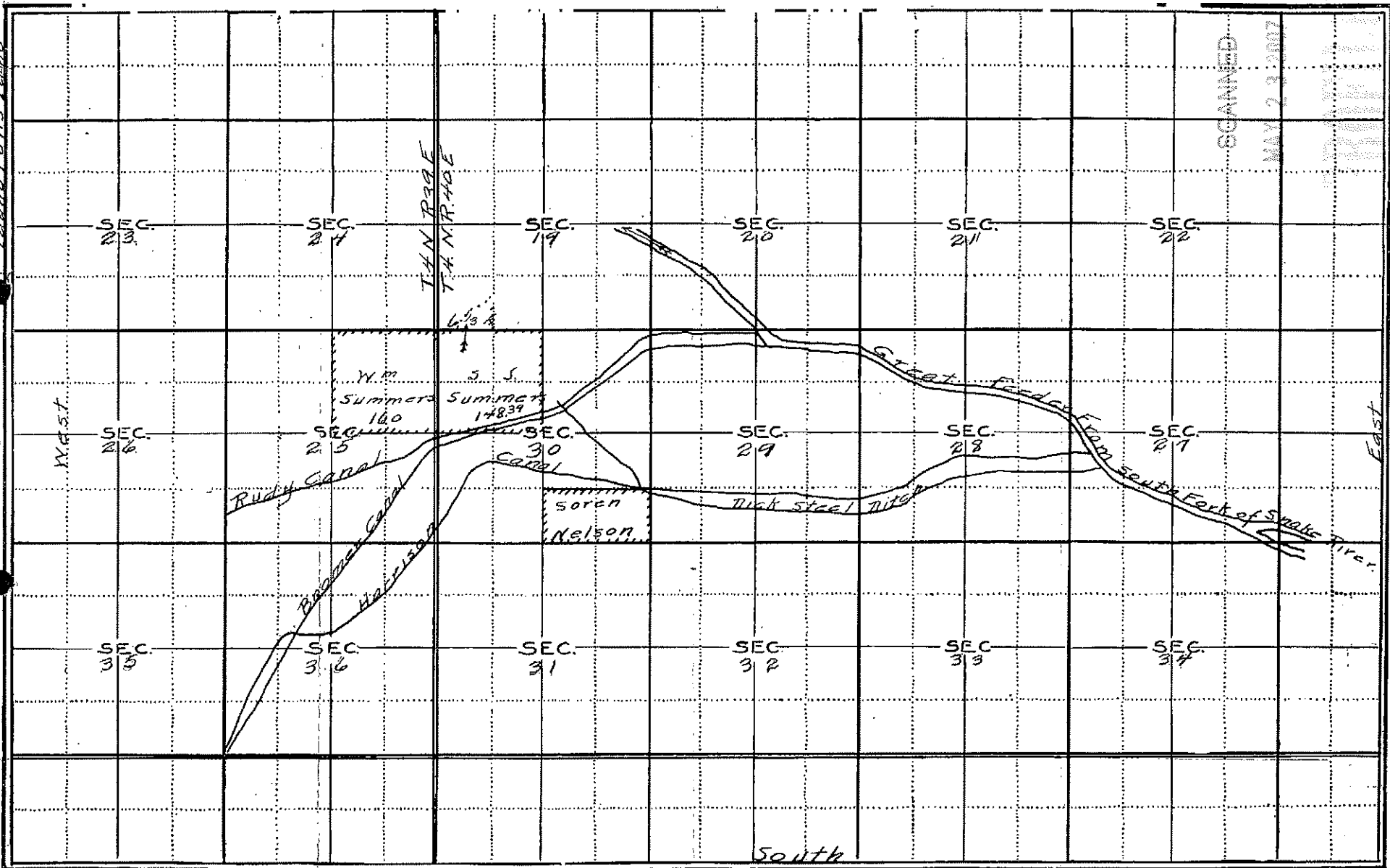
SCANNED

W. G. SWENDSEN
Commissioner of Reclamation

MAY 23 2007

By *W. G. Swendsen*
Assistant.

Name of Applicant... S. J. & W. M. by W. O. Cotton, Idaho Falls Idaho



SCANNED
MAY 23 2007

SCALE: 2 INCHES=1 MILE. DRAW PLAN IN INK. Printed and for sale by the Statesman Shop, Boise, Idaho.