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October 12, 2004

RECEIVED

OCT 13 2004

**DEPARTMENT OF
WATER RESOURCES**

Carter Fritschle
Idaho Department of Water Resources
P.O. Box 83720
Boise, Idaho 83720-0098

RE: North Side Canal Company's Water Right Nos. 37-4240 and 37-4241

Dear Carter:

Please find enclosed the following documents with regards to your July 30, 2004 request for evidence of the priority date and historic use of water under North Side Canal Company's (NSCC) water right nos. 37-4240 and 37-4241:

- 1) Excerpts from the Daily Journal of Paula Bickel (chief engineer for NSCC's project 05/03/1908 to 03/25/1911) (Exhibit A).
- 2) A copy of the Certificate of Completion of Works for Permit No. 4489 (attached map shows Y and Z canals) (Exhibit B).
- 3) Basin 37 Watermaster Records for the years 1917 through 1920 (prior years records were destroyed by fire in the 1990s) (Exhibit C).

The excerpts from Mr. Bickel's journal detail the work on the Mullins Ditch or Canal (which is NSCC's Z canal), and work on the extension from Gooding to the Clover Creek segregation (which is now NSCC's Y canal). For example, the following entries detail the work on the system and the water use:

May 8, 1909

"Went out on the extension of the Clover Creek, looking for a new route by which it is possible to take the Malade River higher up at the mouth of Dry Creek, and maybe it will be possible to run this water through the Bliss Townsite."

May 19, 1909

“Afterwards, went out to Walter’s camp to look over the contest with the Idaho Irrigation Company, who have a canal which crosses our extension three times.”

June 19, 1909

“The work around Gooding is progressing very rapidly and inside of the next six weeks I expect to see the ditches ready to Little Wood River. Also, expect to see the Clover Creek fairly under way to a point four miles East of Bliss. The smaller laterals will be taken up as fast as we can get to them and are now being surveyed by quite a force under Mr. Shobert. We will have to wait a little while for Big Wood River to go down before putting in gates, but expect to have everything completed before cold weather.”

“At the mouth of Dry Creek and Big Wood River near our diverting dam for the Clover Creek, there is a good dam site which could be used if raised 20 or 30 feet and make a large reservoir. . . I believe it would be possible with the storage of water that we intend making on the Clover Creek Segregation, to use only Wood River water and perhaps never be required to draw from Lateral B5 or the North Side system.”

July 12, 1909

“At Gooding. Drove to Dry Creek over extension and went to Bliss. Looked over the work and returned to Gooding by train.”

October 14, 1909

“The work on the Clover Creek is getting along better and it was decided to look for a waste channel east of Bliss for the old Mullins ditch. Through a mistake a settler was allowed to turn the water into the Mullins ditch to fill a cistern and the ditch will have to drain again.”

March 21, 1910

“The Canals on Clover Creek extension will be ready to turn water in shortly; also, the Mullins Canal.”

These excerpts, along with others, evidence the claimed priority date and historic water use under water right nos. 37-4240 and 37-4241.

In addition to the journal excerpts, a copy of the map attached to the Certificate of Completion of Works for Permit No. 4489 shows the location of the Y and Z canals that were used to supply water to the place of use for the Clover Creek Segregation. Finally, the Basin 37 Watermaster Records detail deliveries that were made to the Y and Z canals during the years 1917 to 1920. These records are the oldest water delivery records in Basin 37. Apparently a fire in the 1990s destroyed the earlier records.

Mr. Carter Fritschle / IDWR
October 12, 2004
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I trust this information will satisfy your request of July 30, 2004. If you need additional information or have any questions please call me at (208) 733-0700.

Sincerely,

BARKER ROSHOLT & SIMPSON LLP



Travis L. Thompson

Enc.

cc: Ted Diehl (NSCC)

EXHIBIT “A”

Daily Journal
of

Paul S. A. Bickel

Chief Engineer of
Irrigation Projects

5/3/08 - 3/25/11

Mr. Bickel was Chairman of the 1st Twin Falls
Village Board + owned "Far View" (Sand Springs) Ranch.

Report of Paul S. A. Bickel, Chief
Engineer, Twin Falls North Side Land
and Water Company, for the week ending
December 5th,
1908.

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SUNDAY NOVEMBER 29th.

Jerome to Wendell and to the end of the tract. Met the train crew and made arrangements with Jackson about handling the work so that we could get to Wendell, and get out as much material as possible. Also gave Mr. Schuitman at Wendell, an order to go ahead and build warehouse to be 24 x 62, in the middle of the side track, so that as soon as the train arrives there, they will be able to take care of any freight that is necessary. He agreed to do this at once.

MONDAY NOVEMBER 30th.

Went from Wendell to Jerome in the morning. In the afternoon checked plats and estimates, and made arrangements to get the pipe from Gooding Townsite to be used with fire plug at Wendell to water locomotives at that point.

TUESDAY DECEMBER 1st.

At Jerome preparing plans. Mr. Purday, Mr. Wiley, and Mr. MacWatters arrived at Jerome, and inspected and signed plans for all the structures on the distribution system to be filed at the State Land Office. Also checked and signed payrolls.

WEDNESDAY DECEMBER 2nd.

Went to Wendell with Mr. and Mrs. Purdy, Mr. MacWatters and Governor Gooding. Afterwards went to Gooding on the train. The railroad arrived on the first, as we had predicted. Everybody was very much pleased with the outlook. Mr. MacWatters sold quite a lot of realstate at Jerome and Wendell to visiting parties.

THURSDAY DECEMBER 3rd.

Left Gooding at 6 A.M. Went to Wendell to see how things were getting along, and from there went to Levissee's new camp, - also saw Johnson and Walters to get their field notes for the distribution system, and then went to Jerome. In the evening after supper left for Boise.

Weekly Report of Paul S. A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Company,
Week ending May 8, 1909.

May 2, 1909.

At Home at Thousand Springs.

May 3, 1909.

Went to Wendell. At the the Syphon and along B5 and B5-2, and at Walter's Camp and Gooding.

May 4, 1909.

Over acreage tracts at Gooding and looked over the location of the railroad line and the B5 Extension of the Clover Creek, which Mr. Gooding wishes to have carefully laid out so that it will follow the lines of his acreage tracts without cutting them up too much. I am still pushing Mr. Grant.

May 5, 1909.

Went from Gooding to Jerome. Signed Pay Rolls and Estimates and returned to Gooding. Mr. Grant still has considerable work to do on B5, but expect to have the ditch ready within the next week.

May 6, 1909.

Went from Gooding out on B5 and found the ditch ready for water. That is, the embankments are up within three feet of the top, excepting at Camp 1, where the large fill is. This fill will take at least another week to get it up high enough so that water can pass through. We will turn water in on Saturday morning to soak up the ditch.

May 7, 1909.

Went out on the Extension of B5 west of Gooding. On the Little Wood River and the Malade River, and looked up the line which was preliminarily run out towards Bliss.

May 8, 1909.

Went out on the extension of the Clover Creek, looking for a new route by which it is possible to take the Malade River higher up at the mouth of Dry Creek, and maybe it will be possible to run this water through the Bliss Townsite.

Weekly Report of Paul S. A. Bickel, Chief Engr.,
Twin Falls North Side Land & Water Co.,
Week ending May 22, 1909.

May 16, 1909.

Wendell. At the ranch, at Thousands Springs. Back to
Saw Shobert, and went to Gooding that night.

May 17, 1909.

With Mr. Pill, locating on the Clover Creek
extension beyond the Malade.

May 18, 1909.

With Mr. Pill, locating on the Clover Creek
extension beyond the Malade.

May 19, 1909.

Went to the Malade River, over the Clover
Creek location with Mr. Grant. Afterwards, went out to Walter's
camp to look over the contest with the Idaho Irrigation Company,
who have a canal which crosses our extension three times. This
canal is a small canal, about four feet on the bottom, and our
work got ahead of them and we controlled one or two of their cross-
ings, and they were trying to use some smart practice. I saw
the Engineer and told him that we would be willing to put in
two flumes, if they would put in one under-crossing, or we would
put in the one under-crossing and they to put in the two flumes.

May 20, 1909.

Went from Gooding to the waste ditch on the
Wood River above Gooding. Went to Wendell and drove to Jerome.
Mr. MacWatters asked that I go over the canal and measure the
water.

May 21, 1909.

Went out from Jerome and measured laterals
running from the main canal, and along the main canal, measuring
the same in several places. I found about five second feet below
the Sugar Loaf Reservoir, and about 20 second feet going through
the lateral No. 11. I believe there is a loss of about 170
second feet through the Sugar Loaf Reservoir. Canal seems to
have very little loss, if any, up to near the diverting dam.
Went to Milner that night.

northeast of Wendell and find, as in the case of the other lateral, that we can run on good ground and drop to another level over a few feet of rock and proceed again on good ground, and in this way get the canal work in easy construction and from it can cover the same land that we expect to cover below. This lateral just north of Wendell will practically cover all north and west of Wendell in the segregation. We would then cover practically everything from this lateral, which would require that we put in about a 14' or 16' lateral for a few miles and then cut down to about an 8' foot lateral. This would leave Lateral No. 6 for higher ground, Mullins Tract, Clover Creek, and possibly can afterwards be used for main canal on everything west of this point.

Mr. Barnes has been working at Bliss and has had good success in finding ground to cover land over at Clover Creek. The reservoir, that we thought we could impound considerable water in, we find is not as good as we anticipated and will only hold about 60,000 acre feet, but in looking this up we find that we can come in around north of this reservoir, north of Bliss, and find a natural channel, which has been left between the lava and the main hill, and use this for three miles and then come down off of the ledge from a point about five miles west from the crossing of the Malade River with Oregon Shortline Railroad, a point just west of Gooding about three miles. There is a good crossing there and the butte that is called Gooding Butte lays about right for us to swing around to the west of this Butte and join our line near Monument Lake Reservoir. This will cover the lower lands west of Gooding, the Mullins Tract, Clover Creek, and land further, if we find it feasible, on the west end. I am very much gratified with what we have found and expect soon to hear the rest as Mr. Barnes is a very hard worker and the boys that he has with him are very much interested in the work. They are hard lookers but they deliver the goods.

Mr. Fell is working on the line along the main south side canal. He is getting along somewhat slow but I hope that I may be able to push him along a little better. He seems to mean alright but he is a railroad man and does not seem to grasp the canal work as I am accustomed to having the men do.

The Salmon River Tract is put in readiness, the stakes are up, and we find that the townships just south of Twin Falls are in a very bad condition. Some of the stakes are as far as 1000 feet or more out of place. I have had advice from Judge Hays about these corners and they are to stay where they are found as placed by the Government, regardless of what the results may be. Quite a number of these forties will have more land in them than they will really pay for. Others will have much less than they pay for. People that get these large forties will undoubtedly be satisfied. Those that get the short-acred forties will probably want to rebate. An adjustment cannot be made as I see, and Judge Hays does not give any reason why we should change the corners to make them right. I

Weekly Report of Paul S.A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Co.,
Week Ending June 19, 1909.

June 13, 1909.

Went out to the railroad crossing of B5-1 and helped to turn water into the temporary canal and had forms taken off of the culvert and prepared for puddling around the ends of the abutments.

June 14, 1909.

Went over the B5-1 and examined bridges and headgates. Went over to railroad crossing. Water running through Lateral B5-1. Puddled the culvert and filled in embankments around the abutments.

June 15, 1909.

Went to Dry Creek camp over A-1 location 3/4 mile. Opened up and under construction. Went to Gooding and arranged to have the culvert filled in in the night time with the engine and headlights and Mr. Rinker's crew of teams, taking out bridge of bents which were temporarily used for this work. Also, arranged to have a ditch built to the South-west of the railroad for Mr. Schnellock.

June 16, 1909.

Arranged for headgates to be put in on Mr. Newman's land for ditch extending on through Jerome Reservoir.

June 17, 1909.

Went to Twin Falls and from there with Mr. Perrine and Mr. MacWatters to Boise.

June 18, 1909.

At Boise with the Mountain Home plats. Mr. Burky and Mr. Bakke went to Boise to be ready to make any changes which Judge Hays might recommend. The Judge recommended that the plats be held over until something definite was arranged with the Twin Falls South Side Canal Company about the reservoirs which had been located by this Company near the National Park.

June 19, 1909.

Boise to Gooding. Met Donald Grant who left that evening with Mr. Sam Grant and the Grant family. It was decided for Mr. Grant to take a small outfit to start on the trench on the Sugar Loaf so that an examination could be made of the material and soil which we will encounter in building dams in these reservoirs.

Weekly Report of Paul S. A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Co.,
Week Ending June 19, 1909.

The week has been a very trying one on account of it being very dry, dusty and windy. The settlers are having a very hard time getting the water to flow in their small furrows. However, a rain occurred on Saturday which did a great deal of good, especially around Wendell where it is most needed. Some of these farmers are what I call retiring farmers who are here for 30 days to make proof and then quit. These people, of course, do not figure on doing any more work than is absolutely necessary, but it requires just as much work to serve them as to serve the man who puts in a hundred acres. Many of them do not come to inform us that they are in any trouble. After we do put in laterals for some of those that are in trouble, we find the next door neighbors taking advantage of this so that they will not have to go half a mile but take advantage of the situation when the ditch rider is not watching and drop in a sand bank and raise the water to run over the top of these ditches which cuts the banks out and cuts out the man for whom the water was intended. All kinds of schemes are worked in this way. In one case, a man dammed up a small lateral and backed it up for a mile and it broke out all over and practically destroyed the ditch. While organizing at first we expected all these things, but they are, to say the least, very annoying. Others sit on the doorstep and howl; but, through it all, we try to do the best we can. In the North-west portion, we have been able to get the water through but have not been able to get enough water. Mr. Rinker has finally gone to the First Segregation and cut their water down to their needs. This has been the cause of raising our Main Canal and is giving us very much better service. I have also asked Mr. Rinker to increase the flow in No. 5, which is now possible, and have asked him to put on more ditch riders so that the people who need water will be able to get it and the ditches will be more closely watched, so that so much stealing of water and breaking of ditches will not occur. He will then have a better chance to see if any claims are really valid and keep a better record of what is happening. This, of course, is an additional expense, but I think it will be well to keep track of everything that goes on for a short time.

The work around Gooding is progressing very rapidly and inside of the next six weeks I expect to see the ditches ready to Little Wood River. Also, expect to see the Clover Creek fairly under way to a point four miles East of Bliss. The smaller laterals will be taken up as fast as we can get to them and are now being surveyed by quite a force under Mr. Shobert. We will have to wait a little while for Big Wood River to go down before putting in gates, but expect to have everything completed before cold weather.

Weekly Report of Paul S.A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Co.,
Week Ending June 19, 1909.

The Wood River has run a large amount of water the last three months and I believe there was as much as 2000 second feet during the greater part of one month. At the mouth of Dry Creek and Big Wood River near our diverting dam for the Clover Creek, there is a good dam site which could be used if raised 20 or 30 feet and make a large reservoir. About 2500 acres of this land is taken up by parties who have ranches on the same, but only a few of them are improved. A large amount of water could be stored in this place. This is where the old Mullins reservoir was intended to be located and is a part of this basin. I have no doubt a large quantity of water could be stored in this reservoir and could be taken out of the Big Wood River and Little Wood River, waste and run off. I believe it would be possible with the storage of water that we intend making on the Clover Creek Segregation, to use only Wood River water and perhaps never be required to draw from Lateral B5 or the North Side system. This land could be bought, and if not used by reservoir sites could be covered by our water or from the Malade and sold again at a higher price, the same as was done in the Hagerman Valley just recently. If the Company had bought the Hagerman Valley and given with it a water right, this land could have been sold for several times the amount which it would have cost in the first place and at a great profit to the Company. The same way with their townsite, which private parties have made a very handsome thing out of. The reservoir site which I mention, I believe will hold water, as it has a rock outlet and looks as if it had been a lake at one time.

Respectfully submitted,

Paul S. A. Bickel,
Chief Engineer.

Weekly Report of Paul S. A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Co.,
Week ending July 17, 1909.

JULY 11, 1909.

At Twin Falls. Went with Mr. Sam Grant to Hollister in his Automobile. Mr. Grant took the contract for the Salmond Work. Hollister to Twin Falls. Went in the Automobile to Buhl, and Wendell, and Gooding. Mr Heller at Wendell reports that the Jackson Matter had been fixed.

JULY 12, 1909.

At Gooding. Drove to Dry Creek over extension and went to Bliss. Looked over the work and returned to Gooding by train. Some of the line was not quite satisfactory and will go out in a few days and look over the line again with profile. No water in B5.

July 13, 1909.

Gooding. Saw Mr. Grant about covering the rest of the Clover Creek. Went on train to Wendell and Jerome. Looked over correspondence. Mr. Rinker said the water was too low to fill No. 5 but there is a great quantity going to waste in 7D, at Bickel's ranch.

July 14, 1909.

At Jerome, working on correspondence and bills. Saw Dick Cookingham and waited over for Mr. MacWatters. Arranged to have Mr. Hovey go to the mountains with McNeil. Mr. MacWatters did not arrive until it was too late to catch the train and so I had to stay over.

July 15, 1909.

Left Jerome with Mr. MacWatters in the Automobile and arrived at Wendell at 12 o'clock. Saw Major Reed and went to Heller's Camp. Found that Heller had made survey of Dr. Davis' claim. Mr. Davis is just ready to put up his shack and has some land under the ditch which he can water. A five mile ditch, will cover all his land and considerable more land and would cost about \$4,000.00. Mr. MacWatters returned to Jerome. I went to Gooding in the evening.

July 16, 1909.

At Gooding. Met Geo. Walter and asked him for the B5 lines and also asked him to meander Wood River. Saw Woodruff and he went to Thousand Springs to repair drop and found water was not turned out of 7D. Asked McHamara to turn water in 6B Waste so that 7D could be repaired. Went to Bliss and saw Pill and Taylor and talked over the extension location. Saw Woodruff and went to Gooding in the evening and returned to Bliss because Mr. Jones would not be in Pocatello until Monday.

October 19th, 1909.

Report of Paul S.A.Bickel for week ending Oct.16,1909.

Cont'd. -2-

WEDNESDAY, OCTOBER 13:

Looked over correspondence and bills. In the afternoon went to main canal and examined canal for widening cuts and a possible outlet to north of waste gate #2. Found what might be a possible outlet. Also looked over section of canal from 1365 to 1420 for a second channel to get out of widening this portion but found it would require a large cut and gave up the idea. Examined the canal until dark and returned to Milner 9 P.M.

THURSDAY, OCTOBER 14:

At Milner. Went over dam and first two miles with Mr. Wiley. Took train to Gooding and arrived at 12 P.M. Visited Shobert and looked over the canal work at Gooding. Grant left work there unfinished on account of the opening under the O.S.L. The rock work is going along O.K. and the concrete work is about completed excepting B-5 to B-5-1 and will probably be completed in ten days. The work on the Clover Creek is getting along better and it was decided to look for a waste channel east of Bliss for the old Mullins ditch. Through a mistake a settler was allowed to turn the water into the Mullins ditch to fill a cistern and the ditch will have to drain again. Mr. Grant is having some trouble to cover this ditch. The laterals are being covered and it looks very much like a finish excepting some rock work. Mr. Shobert was instructed to look up a system of laterals to cover the additional lands near Tisiska, also to complete a 20 ft. contour for reservoir at head of main Clover Creek Canal on the Malade River, also to locate water on the Little Wood River.

FRIDAY, OCTOBER 15:

Met Mr. Grant and he agreed to put in the bridges from Schneeloch's Ranch west of Wendell to the Sand Spring road south to Snake River free of charge if the Company paid for the necessary lumber. Also agreed to go to work on the main canal with all his railroad force excepting a few teams to finish the work already opened up as per order of letter from Milner. Went to Shoshone and waited for next train. Met Major Reed and went to Minidoka and Milner.

WEDNESDAY, OCTOBER 27, 1909.

At Gooding. Met Mr. Shobert and talked over the work on Extension and Mullins dam and ditch. Left for Minidoka and found that the train would not leave until 4:30 to Twin Falls. Went to Pocatello and returned to Milner. Went over work on canal and left for Salt Lake on evening train with Mr. MacMatters.

THURSDAY, OCTOBER 28, 1909.

At Salt Lake. Met Mr. Bancroft of the Oregon Short Line with Mr. Perrine, Mr. MacMatters and Judge Hays to talk over railroad business. Nothing was accomplished excepting to be postponed until railroad officials could come up and meet in Idaho. Returned to Idaho 11:30.

FRIDAY, OCTOBER 29, 1909.

Arrived at Milner 10:30 A. M. Went to Oakley Dam and returned to Milner with Mr. Dodge, from Chicago. Dam work going slowly. Trench to bed rock for 60 ft. at a depth of 27 ft. some dry material being hauled in which is to be sluiced down into pit. Pit not filled with water. Pump is not adequate to lift water. The tunnel approach is all in poor shattered formation. About 400 ft. of tunnel is driven. Over canal cementing again today; concrete is too rich and some is checking.

SATURDAY, OCTOBER 30, 1909.

At Milner. Went over repair work on first division. Cofferdam in first mile pretty well cleared and shaped up for concrete work. Two crushers are at work; drilling machine working good. Mr. Faris is not yet started on the large earth cut. Mr. Wilhite is making good progress. John Grant is ready to start on Sugar Loaf channel. Grant's men working on enlargement of Main Canal.

Respectfully submitted,

Paul S. A. Bickel,
Chief Engineer.

Milner, Idaho, November 15, 1909

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Report of P.S.A. Bickel, Chief Engineer of Twin Falls
North Side Land & Water Company, for week ending Saturday,
November 13th, 1909.

SUNDAY, NOVEMBER 7:-

Left Twin Falls 12:30 went to Milner. Went over work on North Side, work progressing O.K. Took auto to Oakley Dam, inspected work there, found 80 ft. of bed rock and forms built in trench 28 ft. deep. Tunnels driven all but about 250 ft. Test pit in upper trench was filled 5 ft. with water but upper 3 feet seeped out, lower 2 ft. remained in. It was said that the water would not go higher than 5 ft. with the amount of water pumped in, showing that the lower strata of clay only was impervious. Work in general going slow. Returned to Milner. Went to Gooding, arriving 1 A.M. Found that MacNamara was scraping off concrete which was frozen but told him not to as it did not appear to me to be frozen.

MONDAY, NOVEMBER 8:

Went over work near Gooding on B-5 which will soon be completed. R.R. crossing of B-5 shows up some rock. Was called back to Milner to meet Mr. Wiley. Met him on No. 14. We decided to deepen main canal from 83 to 107. Also agreed to dig trench in upper part of Oakley Dam to impervious material and puddle back. I decided to build small wall across Malade at head of Mullins Canal as per conversation over phone with Burky and Shobert. At Milner in evening. Work on North Side improvements doing pretty good.

TUESDAY, NOVEMBER 9:

Went over improvements on first division with Mr. Wiley. Rain stopped work about 9 A.M. Mr. Wiley expressed his satisfaction with the work and he left with Mr. MacWatters to go to the Salmon Dam. I left for Jerome 10:20 with Mr. Kartzke. Auto had a hard road but got to Jerome in three hours. Went over plans and letters at Jerome office. Called up Rockwell who reports all work on main canal enlargement getting along satisfactory except in the lower end of Sugar Loaf Channel. Rained all day, still stormy at night.

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Report of Paul S. A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Company,
for week ending Saturday Dec. 4, 1909.

Milner, Sunday, Nov. 28.

Went over work on Main Line repairs with Mr. MacWatters & Mr. Bennett, Trimming the bottom and excavating at 107 to 120, going along. The weather too cold to do concreting. Mr. Faris steam shovel not yet in motion. Weather pleasant but cold. Report on storage Jackson Lake.

Milner, Monday Nov. 29.

Making report on advisability of greater spillway capacity, Milner Dam. Inspected work on repairs Main Line Canal Sta. 0 to 250; work progressing better and weather fine, but cold. Waited for Mr. Wiley to come to Milner.

Milner, Tuesday, Nov 30.

At Milner with Mr. Wiley & MacWatters. Went over the head of the North Side Main Line Canal. Mr. Wiley, after looking over the bottom decided to eliminate the corrugated iron. Went over the matter of re-laying the head of B5, which will cost about \$4,000.00, estimate furnished by Mr. Burky.

Talked over the capacity of different laterals and decided that B5 enlarged at the head for 6,000 ft., would furnish B5; and that Jerome Reservoir would not need a channel into and out of it to furnish all the water required on NW Corner of Second Segregation, and 3d segregation. Went to Gooding. Arrived 2 A. M.

Gooding, Wednesday Dec. 1.

Went to Bliss and met Mr. Shobert and went over to the Clover Creek diversion of laterals to decide upon cut through ridge. Decided to cut through the ridge and get some kind of an agreement with the other ditch company to measure their water before and after it leaves the channel where their water will mingle with ours. I do not think they will ever be able to make a success out of these ditches.

If they ever do, they will have to spend more than we could sell them water for, and if they wanted to use our water they

could easily make most of their cut by sluicing with our water. Returned to Gooding at night.

Weekly Report of Paul S. A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Co.,
Week Ending January 8, 1910.

SUNDAY, JANUARY 2, 1910.

Milner to Twin Falls and return to see Mr. Perrine who has taken charge of pumping schemes and has employed Mr. Cookingham for the engineering and surveying for Mr. Kuhn.

MONDAY, JANUARY 3, 1910.

At Milner looking over work of North Side Improvement at head of canal, which is about at a standstill and should be stopped until weather will permit to do the work more economically. Mr. Wiley arrived.

TUESDAY, JANUARY 4, 1910.

Waited for Mr. Wiley. Had meeting with Mr. Paris and Mr. Wiley concerning Oakley dam correspondence. Left for Gooding in the evening but got hung up at Minidoka.

WEDNESDAY, JANUARY 5, 1910.

Waited at Minidoka until noon; all trains late. Got to Gooding at 4 P.M. Signed Pay Rolls, Estimates, and went on to Boise in the evening.

THURSDAY, JANUARY 6, 1910.

At Boise. With Judge Hays waiting for Mr. Perrine and Mr. Harr to file papers for Clover Creek.

FRIDAY, JANUARY 7, 1910.

At Boise. Mr. Perrine, Judge Hays and myself filed North Side, Milner South Side, Milner Pumping Plant and Additional Segregation with State Land Office; also, had Mr. Stephenson, the State Engineer, sign all North Side plans. Went to Gooding at night.

SATURDAY, JANUARY 8, 1910.

Left Gooding 11 A. M. Snow bound seven miles out of Gooding. Train broke in two and went to Wendell on locomotive. Telephoned back for section crew and waited at Major Reed's until 3 P.M., then went to Jerome, arriving at 4 P.M. Over correspondence.

Respectfully submitted,

Paul S. A. Bickel,
Chief Engineer.

Mrs. Hartenstein, who was really the pioneer and has more western intelligence than her husband. His knowledge of grasping qualities is more for chemistry and technical ability.

WEDNESDAY, FEBRUARY 9, 1910.

Gooding to Jerome. Went over correspondence and attended various matters under construction. In the evening attended meeting of the Village Trustees in Jerome to talk over the advisability of change of grades, which I have reported upon in a separate report. Was welcomed into their midst and had a discussion and talk about the changes proposed by their city engineer.

THURSDAY, FEBRUARY 10, 1910.

Weather still bad, no construction possible. no frost going out yet. Mr. Burky was sent to Boise again to fix plats to comply with Judge Hays ideas. Made report on change of grades in Jerome. Went to Gooding to see Sam Grant to have contracts signed. Will meet him in the morning. He will not agree to any time limit as the weather has not shown any signs of breaking.

FRIDAY, FEBRUARY 11, 1910.

Saw Grant and had contracts signed. Went to Bliss and went over different subjects, find that some work has started and Mr. Shobert is pushing other contractors. He was told to put on more force on the new work, but it was thought a little premature to take any work from Grant that he had contracted, for the floor is in. The Dry Creek gates and the forms up for the rest of the structure. The material is all there for the gates excepting a few small shortages. The flume lumber and steel is on the ground. Some of the grading has started. We will not need the B5 extension on the Clover Creek so we can finish that at any time, and will fill the extension through the Big Wood River as long as possible. The rock work on the Mullins and the A' & X laterals is again started, up to the present time little could be accomplished. Got back to Gooding 12:30.

SATURDAY, FEBRUARY 12, 1910.

Received work to go to Jerome to sign plats. Went over on train, since I could not take train to Milner I drove to Twin Falls. The stage having gone, went on own rig and went to Milner on late train. Saw Shobert again before leaving Gooding and tried to impress the importance of pushing the work at Mullins and Bliss.

Respectfully Submitted.

Paul S. A. Bickel,
Chief Engineer.

Weekly Report of Paul S. A. Bickel, Chief Engineer,
Twin Falls North Side Land & Water Company.
For week ending March 26, 1910.

SUNDAY MARCH 20, 1910.

Gooding, Jerome, Twin Falls and Milner.

Left Gooding 1 P.M.; went to Jerome and drove to Twin Falls instead of going by Minidoka. Arrived at Milner 8:40 P.M. Looked over correspondence at Jerome.

MONDAY, MARCH 21, 1910.

From Milner to Twin Falls.

Walked over improvements on Main Canal and found that all concrete work was progressing fairly well. The walls will probably be up in eight days, but the floor will take until April 10, by this time most of the large cut will be out, but it will take until the 15th of April to finish. The syeam shovel is working but is a losing proposition.

The weather is favorable and the work on Main Canal below the Diversion Dam, and B5 to the Shoestring will be completed April 1st. Through Sugar Loaf Channel will be completed. The Canals on Clover Creek extension will be ready to turn water in shortly; also, the Mullins Canal. There will be some work to finish after this, but it can practically all be done with water in the canal.

A little work near Gooding on B5 Extension will be required after the 1st. of April, but this portion was left purposely as we can get water from the Malade or Big Wood River.

Went to Twin Falls in afternoon. Mr. Wiley asked the construction department to tamp the concrete after 24 hours, on the floor of canal, to smooth it, but I do not think this is the proper thing and should not be done. I examined some of these concrete treated this way and found that it broke the bond, and left it much softer than the other. I know that it is impossible to get an absolutely smooth surface without a great deal of trowling, but the line and growing moss or vegetation there in the Snake River water smooths up all the surfaces over which it runs, and makes a good smooth surface.

I went out to Twin Falls Water Works Filter, and measured out-put of Filter. Cone 30 x 60 - 5 ft. water, 6/10 sec. ft. Another which is short of sand 1 sec. ft. but when this one,

Thursday, March 31, 1910.

Drove from Uhrlaub's to Wendell and Jerome.
Met Mr. MacWatters and Judge Hays at Jerome.

Went over correspondence and plats for
pumping on High Land NE of Milner. Looked over notes
on Swan Valley Reservoir.

Went to Wendell by train and saw Heller about
Jackson Ditch, and decided upon the Hastings Ditch. Mr.
MacWatters and Mr. Marr to meet here tomorrow.

Friday, April 1, 1910.

Met Mr. Hastings and he agreed to pay \$100.00
on his proposed ditch. Later Mr. MacWatters, Heller
& Marr went to Dr. Jackson's ranch and it was agreed to
to put in the Hastings ditch to the center of Sec. 29, for
Jackson & others. Also decided upon pipe line through
Wendell. Twelve inch pipe to be laid to west edge of town,
or rather to the pump house, which is the highest point
in Wendell.

Went to Jerome and tried to get Shobert to turn
water in at Mullins Headgate, but a mile below they are still
working, and have a few days' more work to do here.

Went to Gooding in evening.

Saturday, April 2, 1910.

At Gooding in the morning. Saw Donald Grant
and talked over the work.

In the afternoon went to Hailey and returned.
Got notes on land withdrawn by the Government.

At night went to Boise to see Judge Hays.

Respectfully submitted,

Paul S. A. Bickel,
Chief Engineer.

WEEKLY REPORT OF PAUL S. A. BICKEL, CHIEF ENGR.,
TWIN FALLS NORTH SIDE LAND & WATER COMPANY,

SUNDAY, JUNE 19, 1910.

From One-Thousand Springs to Bliss and Gooding.

Went over Mullins Canal to look over under-crossings in the O.S.L., cut-off, Bliss to Rupert. Found the small temporary syphons in good shape, and they are supplying enough water for the present. Saw Mr. Shoberg at Bliss and told him to go ahead to make excavations while the Short Line were not operating. I also wired Mr. Harer, Div. Engineer for the O.S.L., that we were ready to construct culvert under their main line, and our Bliss Waste. I also wired to Mr. McDonough that we were ready to put in syphons on the Bliss cut-off on our canals. Shoberg started work, but they stopped him, until such time when Mr. Bancroft and Mr. MacWatters could sign up proper agreement.

MONDAY, JUNE 20, 1910.

At Gooding looking over B5 extension. In the afternoon left for Jerome, from there I took Automobile to Milner, and train to Twin Falls.

TUESDAY, JUNE 21, 1910.

From Twin Falls to Jerome, on stage. Went over correspondence then went to Gooding.

WEDNESDAY, JUNE 22, 1910.

Gooding to Jerome & Boise, Went to Jerome to get necessary papers to take to Boise to meet Mr. Wiley.

THURSDAY, JUNE 23, 1910.

At Boise, with Judge Hays talking matters over with Bennett and Harr regarding water measurements during low water period. Mr. Wiley was at break in Minidoka Dam, but had to stay until tomorrow.

FRIDAY, JUNE 24, 1910.

At Boise in conference with Mr. Wiley, Mr. Hays and Mr. Bennett about Reservoirs. My real opinion is that we should at once have Mr. Wiley look at the Salt River Reservoir, and if he is satisfied that it is a good one to get some one to take options as a real estate man who is working in the interest of some stock-man to get a large stock-ranch, and when we have the

#2.

C Coulee was dry because water had been used to fill B6 and B5. D Coulee, R. Lateral and B5 were all getting water and everywhere there was water wasting excepting in 7D, 9D, 11D which I understood were getting water at the head, but had not time to get down. However, two days before they did have water.

TUESDAY SEPTEMBER 21, 1910:

Thousand Springs to Gooding and Bliss. Went through Shoestring where there was plenty of water in all ditches and water wasting. Little Wood River was running about 60 second feet, but was running into the Malade. A cloud burst at the head of Bittle Wood River had burst the temporary coffer dam at the head where the Idaho Irrigation Company were working and it was running down to our works on the Malade and broke our Coffor dam, but did not do any damage. It shows me conclusively that the B2, B1 and B0 can supply water enough for stock and some irrigation at this time of the year if distributed properly to give all enough water.

WEDNESDAY SEPTEMBER 22, 1910:

Bliss to Clover Creek and Gooding. Went to Clover Creek and found that 200 acres in Sec. 21-5-12 next to Pioneer Reservoir is flooded by the water from the hills and from one of our laterals. This can be diverted so that this land will be alright, provided a small dike is built to keep the Pioneer Basin from backing up too far. This is so located that they flood over and beyond the land they have filed on. It goes over a lip four-tenths and fills up this 200 acres and cannot get back again out of the pocket. Went by the Malade Dam and found the forms in for a distance of 80 feet, the pot holes drilled and mixer on the ground ready to put in place.

Gave instructions how to proceed with the work. Also found that Little Wood River had been diverted across B5 to the Little Wood River again and water flowing through Mullins System. Went to Gooding for the night.

THURSDAY SEPTEMBER 23, 1910:

Gooding and Jerome. Drove over B5 to Jerome. Found that break had occurred in B2 in Jerome Reservoir. No water in any ditches except B1 and B0 which cover land South and West of Jerome. but Wendell and Shoestring dry. Water will be turned back again tonight, and I believe all lands will have sufficient water except A and X1 system on the Clover creek Segregation, which of course can not be accommodated because we are working on the head in the Big Wood River. In office all afternoon.

#2.

FRIDAY OCTOBER 14th:

Jerome, Wendell and Thousand Springs. At Jerome Reservoir and Wendell in the evening. Work is getting along much better on the reservoir, and it looks as if we could finish on time, provided the weather is favorable..

SATURDAY OCTOBER 15th:

Thousand Springs and Gooding. Drove from Fair View to Malade River and upper end of the Mullins tract. Quite a number of the farmers in the Shoshone District I noticed had succeeded in raising a stand of alfalfa and the rain of the last two weeks has started grain sown last summer. Winter wheat is showing up some. At the Malade Dam I found Mr. Christensen had the main part of the dam completed in good condition and has yet to complete the head gates and the culvert at Dry Creek.

Respectfully submitted,

Paul S. A. Bickel,

Chief Engineer.

D

WEEKLY REPORT OF PAUL S. A. BICKELL,
TWIN FALLS NORTH SIDE LAND & WATER COMPANY,
FOR WEEK ENDING DEC. 3, 1910.

NOVEMBER 28, 1910:

Went from Gooding to Malade Dam at head of A' and found the dam and head-gates completed. The culvert at Dry Creek has had all the blasting done and the base concreted. The forms for the sides are partially in and it will take two days with mixer after the forms are in, and we must have good weather for it. The gates were leaking some and a little water had started down the Canal. I have ordered Christensen to put a temporary flume across the culvert so that they can run some water down A' for the few settlers along the X laterals. I drove back to Gooding and took the train to Milner.

MONDAY, NOVEMBER 29, 1910:

Drove from Milner to Wilson Lake and Jerome. Weather was cloudy and some snow and rain. At Wilson Lake, Mr. Pinker has the last of the bottom cleared off and all runways ready to put in concrete from both ends. It will take about 4 days to fill in the gap enough to run the flow of water large enough to do any good to make the water run through to Sugarloaf.

There are still about 1,000 cu. yds of concrete to go into the structure, but this should not take over 15 days. The water at Milner was turned in too strong and it washed them out at Wilson Lake and delayed the entire works three days, it also may mean that we will have to haul water to Grant and Wilhite.

TUESDAY, NOVEMBER 30, 1910:

I drove over the Jerome Reservoir Dam. The B2 Flume material is on the ground. Excavation is not yet ready. A temporary pipe was put through B Coulee works. B Coulee channel is about two-thirds out and about one-third went into the dam. The rest will go into dam, or about 8,000 cu. yds, if machines do not mine down. We may have to waste with scrapers if it does not dry out. A loss of 19¢ per cu. yd. Submerged wall is finished excepting B2 crossing fill, which can not be stopped until water is turned into the New B2, Rock cut in Jerome Reservoir near the North Dam of about 1000 cu. yd. of rock, will be completed by Dec. 15, which will not inconvenience any thing. This is to drain a low place in the Reservoir.

The B3 Structure has an embankment by Grant to about B2. B2 is being puddled in, so is B Coulee Structure. There are about 115,000 Cu. Yds. left to be placed in the South Dam. No work was accomplished before noon, after noon the bank was plowed and very little frost was encountered, and that was ^{so} soft

WEEKLY REPORT OF PAUL S.A. HICKEL, CHIEF ENGR.,
TWIN FALLS NORTH RIVER LAND & WATER COMPANY,
FOR WEEK ENDING FEB. 11, 1911.

MONDAY, FEB. 6, 1911.

At Jerome. In office looking over plans and getting run of work to be done on laterals. Masonry work around Jerome on improvements is pretty nearly completed.

The ditch work has not begun because the frost is still too deep to make any headway. The B6 cleaning, one of the largest pieces of work is let to Sam Smith, at 14¢. 30 Rating flumes in canals on the Jerome diversion is not yet started. 10 of the 15 weirs 10 ft wide, are in. 21 of the 22 weirs 5 ft wide are in, and the 3 weirs of 3 ft width are in. This work is being done at a considerable cost on account of the frost excavation, which requires to be picked by hand.

TUESDAY, FEB. 7, 1911:

At Jerome. Went out to Wendell and 1000 springs, and tried to get contractor King to do some rock work on 7B Waste. He will send in the cost.

WEDNESDAY, FEB. 8, 1911:

At Jerome. At Jerome reservoir. Saw Mr. Rockwell, Mr. Shobert was at Woodruff's funeral. Work at Reservoir stopped excepting rip-rapping, which is making good progress. Water is up to about 71 at B Coulee headgate. Everything is in readiness for work to progress as soon as the weather will permit. B0 and B2 are in shape to deliver water as soon as a little cleaning can be done in B0.

THURSDAY, FEB. 9, 1911:

At Jerome office writing and figuring on improvements. It will be necessary to put in gates to control the Dry Creek run-off of flood water as the culvert now in, is not capable to carry all the flood, as we have 4 radial gates on the upper bank of A Lateral, and two on the lower bank. There seems to be no way out of doing this. A set of two gates on either side will allow the water to go on through the canal to the Malade River and make it possible to control the water under the different conditions, the culvert which is now in will take care of the waste and drainage under general conditions which it was intended to cover, and is necessary. The Radial gates will take care of the high water floods.

EXHIBIT “B”

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to certify that Twin Falls North Side Land & Water Company,
 of Twin Falls, County of Twin Falls, and State of
Idaho, the holder of Permit No. 4489, issued upon Application
 No. 6047, bearing date of priority of January 2, 1909, authorizing the diversion of
500 second feet of the waters of Snake River,

County of Jerome, State of Idaho, for irrigation and domestic
 purposes, has fully complied with the provisions of the laws of the State of Idaho relating to the
 proof of completion of the works of diversion set out and described in said Permit; that said works are
 adequate for diverting and conveying to the place of intended use 500
 second feet of the waters of Snake River;

that the point of diversion of said waters is at Milner Dam, in Sec. 28, T. 10 S., R. 21 E.,
B.M.,

and that the lands proposed to be irrigated by the use of said water are described as follows, to-wit:
 (List Attached)

Witness my hand this 20th day of September, A. D. 1921.

W. G. SWENDSEN,

Commissioner of Reclamation

By

Geo B. Anderson
 Assistant.

Permit No. 4489

**Certificate of Completion
of Works**

Dated Sept. 20, 1921

Stream Snake River

County Jerome

Amount 500 sec. ft.

Date of Priority Jan. 2, 1909

Recorded in Book 12

of Permits, page 4489

Twp. 5 S., Range 11 E., B.M.

Sec. 9, $E\frac{1}{2}SW\frac{1}{4}$ & $W\frac{1}{2}SE\frac{1}{4}$; Sec. 10, $S\frac{1}{2}NE\frac{1}{4}$; Sec. 11, $S\frac{1}{2}NE\frac{1}{4}$, $S\frac{1}{2}NW\frac{1}{4}$ & $S\frac{1}{2}$;
Sec. 12, $S\frac{1}{2}NW\frac{1}{4}$, $S\frac{1}{2}NE\frac{1}{4}$ & $S\frac{1}{2}$; Sec. 13, All; Sec. 14, $NE\frac{1}{4}$, $E\frac{1}{2}NW\frac{1}{4}$, $SW\frac{1}{4}NW\frac{1}{4}$ & $S\frac{1}{2}$;
Sec. 15, $NE\frac{1}{4}$, $NW\frac{1}{4}SE\frac{1}{4}$ & $N\frac{1}{2}SW\frac{1}{4}$; Sec. 16, $N\frac{1}{2}NE\frac{1}{4}$, $NW\frac{1}{4}$ & $S\frac{1}{2}$; Sec. 21, $W\frac{1}{2}NW\frac{1}{4}$ & $S\frac{1}{2}SE\frac{1}{4}$;
Sec. 17, Lots 1,4,5,8; Sec. 20, $NE\frac{1}{2}$, Lot 1, $SE\frac{1}{4}NW\frac{1}{4}$, Lots 4,5,6, $E\frac{1}{2}SW\frac{1}{4}$ & $SE\frac{1}{4}$;
Sec. 22, $S\frac{1}{2}SW\frac{1}{4}$ & $NW\frac{1}{4}SE\frac{1}{4}$; Sec. 23, $N\frac{1}{2}$ & $SW\frac{1}{4}SE\frac{1}{4}$; Sec. 24, $NW\frac{1}{4}$ & $N\frac{1}{2}SW\frac{1}{4}$; Sec. 27, $S\frac{1}{2}$;
Sec. 28, $NE\frac{1}{2}$, $SE\frac{1}{4}$, $W\frac{1}{2}NW\frac{1}{4}$, $W\frac{1}{2}SW\frac{1}{4}$ & $SE\frac{1}{4}SW\frac{1}{4}$; Sec. 29, $N\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}NE\frac{1}{4}$, $NE\frac{1}{4}NW\frac{1}{4}$,
Lots 1,3,4,5; Sec. 32, Lot 1; Sec. 33, $NE\frac{1}{2}$, $NE\frac{1}{4}NW\frac{1}{4}$, Lots 1,3,4,7 & $SE\frac{1}{4}$;
Sec. 34, $N\frac{1}{2}$ & $SE\frac{1}{4}$; Sec. 35, All; Sec. 36, All;

Twp. 5 S., Range 12 E., B.M.

Sec. 7, $E\frac{1}{2}SW\frac{1}{4}$, Lots 3 & 4; Sec. 18, $E\frac{1}{2}NW\frac{1}{4}$, $E\frac{1}{2}SW\frac{1}{4}$, Lots 1,2,3,4, $W\frac{1}{2}SE\frac{1}{4}$ & $SE\frac{1}{4}SE\frac{1}{4}$;
Sec. 20, $N\frac{1}{2}NE\frac{1}{4}$;
Sec. 19, $E\frac{1}{2}NW\frac{1}{4}$; / Sec. 21, $N\frac{1}{2}NW\frac{1}{4}$ & $N\frac{1}{2}NE\frac{1}{4}$; Sec. 22, $E\frac{1}{2}NW\frac{1}{4}$ & $W\frac{1}{2}SW\frac{1}{4}$; Sec. 23, $E\frac{1}{2}NW\frac{1}{4}$,
 $SW\frac{1}{4}NW\frac{1}{4}$, $NW\frac{1}{4}SW\frac{1}{4}$ & $E\frac{1}{2}SW\frac{1}{4}$; All Secs. 31 & 32; Sec. 36, $N\frac{1}{2}$ & $S\frac{1}{2}$;

Twp. 5 S., Range 13 E., B.M.

Sec. 19, $S\frac{1}{2}$; Sec. 20, $N\frac{1}{2}SW\frac{1}{4}$, $SW\frac{1}{4}SW\frac{1}{4}$, $NW\frac{1}{4}SE\frac{1}{4}$; Sec. 21, $E\frac{1}{2}SW\frac{1}{4}$, $SW\frac{1}{4}SW\frac{1}{4}$;
All Secs. 25, 26, 27 & 28; Sec. 29, $E\frac{1}{2}$ & $SW\frac{1}{4}$; Sec. 32, $N\frac{1}{2}NW\frac{1}{4}$; Sec. 33, $NE\frac{1}{4}$ & $NE\frac{1}{4}SE\frac{1}{4}$;
All Secs. 34, 35 & 36;

Twp. 6 S., Range 11 E., B.M.

Sec. 1, $N\frac{1}{2}$, $SW\frac{1}{4}$ & $N\frac{1}{2}SE\frac{1}{4}$; All Sec. 2; Sec. 3, Lot 4, $S\frac{1}{2}NE\frac{1}{4}$, $S\frac{1}{2}NE\frac{1}{4}$ & $S\frac{1}{2}$;
Sec. 4, Lots 1,2,5,6,9, $SE\frac{1}{4}NE\frac{1}{4}$ & $E\frac{1}{2}SE\frac{1}{4}$; Sec. 9, $NE\frac{1}{4}NE\frac{1}{4}$; Sec. 10, All;
Sec. 11, $N\frac{1}{2}$, $SW\frac{1}{4}SW\frac{1}{4}$, $N\frac{1}{2}SW\frac{1}{4}$, Lots 1,2,3; Sec. 12, $NW\frac{1}{4}$, $W\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}NE\frac{1}{4}$, Lots 1,2,3,4;
Sec. 14, Lot 2; Sec. 15, Lot 1, $NE\frac{1}{4}NW\frac{1}{4}$ & $NW\frac{1}{4}NE\frac{1}{4}$;

Twp. 6 S., Range 12 E., B.M.

Sec. 1, $N\frac{1}{2}$, $SW\frac{1}{4}$ & $N\frac{1}{2}SE\frac{1}{4}$; All Secs. 2,3,4 & 5; Sec. 6, $N\frac{1}{2}$, Lot 6, $E\frac{1}{2}SW\frac{1}{4}$ & $SE\frac{1}{4}$;
Sec. 7, $N\frac{1}{2}NE\frac{1}{4}$, $N\frac{1}{4}NW\frac{1}{4}$, Lots 2,3,4 & $SE\frac{1}{4}NE\frac{1}{4}$; Sec. 8, $W\frac{1}{2}NW\frac{1}{4}$, $NE\frac{1}{4}NW\frac{1}{4}$ & $N\frac{1}{2}NE\frac{1}{4}$;
Sec. 9, $N\frac{1}{2}NW\frac{1}{4}$, $N\frac{1}{2}NE\frac{1}{4}$, Lots 4 & 5; Sec. 10, $NE\frac{1}{4}NE\frac{1}{4}$, Lots 1 & 5; Sec. 11, $NE\frac{1}{4}NE\frac{1}{4}$,
Lots 1,2,3, $NW\frac{1}{4}NW\frac{1}{4}$ & Lot 6; Sec. 12, $N\frac{1}{2}NW\frac{1}{4}$, $NW\frac{1}{4}NE\frac{1}{4}$, Lots 1,2,3,4 & 5;

Twp. 6 S., Range 13 E., B.M.

All Secs. 1 & 2; Sec. 3, $N\frac{1}{2}$; Sec. 7, $NW\frac{1}{4}NE\frac{1}{4}$, $S\frac{1}{4}NE\frac{1}{4}$, $NE\frac{1}{4}SE\frac{1}{4}$ Lots 1,2,6,7,8,
 $SW\frac{1}{4}NE\frac{1}{4}$ & $SE\frac{1}{4}SE\frac{1}{4}$; Sec. 8, $S\frac{1}{2}SW\frac{1}{4}$ & $SW\frac{1}{4}SE\frac{1}{4}$; Sec. 10, $SW\frac{1}{4}$; Sec. 11, $N\frac{1}{2}$, $SE\frac{1}{4}$ & $N\frac{1}{2}SW\frac{1}{4}$;
Sec. 12, All; Sec. 13, $NE\frac{1}{2}$; Sec. 15, $SW\frac{1}{4}NE\frac{1}{4}$, $S\frac{1}{2}NW\frac{1}{4}$ & $NW\frac{1}{4}NW\frac{1}{4}$; Sec. 16, $S\frac{1}{2}$, $S\frac{1}{2}NW\frac{1}{4}$, $SW\frac{1}{4}NE$

Sec. 17, SW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, Lots 1, 2 & 3; Sec. 18, Lot 7;
Sec. 20, Lots 1, 2, 3; Sec. 21, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$; Sec. 25, S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$ &
S $\frac{1}{2}$ SW $\frac{1}{4}$; Sec. 26, E $\frac{1}{2}$ & SW $\frac{1}{4}$; Sec. 27, NE $\frac{1}{4}$ SE $\frac{1}{4}$;

Twp. 6 S., Range 14 E., B.M.

Sec. 4, Lots 3 & 4, SW $\frac{1}{4}$ NW $\frac{1}{4}$ & NW $\frac{1}{4}$ SW $\frac{1}{4}$; All Secs. 5, 6, 7, 8; Sec. 9, SW $\frac{1}{4}$ NW $\frac{1}{4}$ &
W $\frac{1}{2}$ SW $\frac{1}{4}$; Sec. 16, W $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$ & SW $\frac{1}{4}$; Sec. 17: NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ &
NE $\frac{1}{4}$ SE $\frac{1}{4}$; Sec. 18, NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$ & W $\frac{1}{2}$ SW $\frac{1}{4}$; Sec. 19, E $\frac{1}{2}$ NW $\frac{1}{4}$ & NE $\frac{1}{4}$; Sec. 21, W $\frac{1}{2}$;
Sec. 28, W $\frac{1}{2}$ NW $\frac{1}{4}$; Sec. 29, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ & SW $\frac{1}{4}$; Sec. 30, NE $\frac{1}{4}$ SE $\frac{1}{4}$ & N $\frac{1}{2}$ SW $\frac{1}{4}$;

Also, such other land as may be irrigated from the line of the canal
of the Twin Falls North Side Land and Water Company, in Gooding and Elmore
counties, on the Clover Creek tract, aggregating about 3000 acres, making
a total of 40,000 acres.

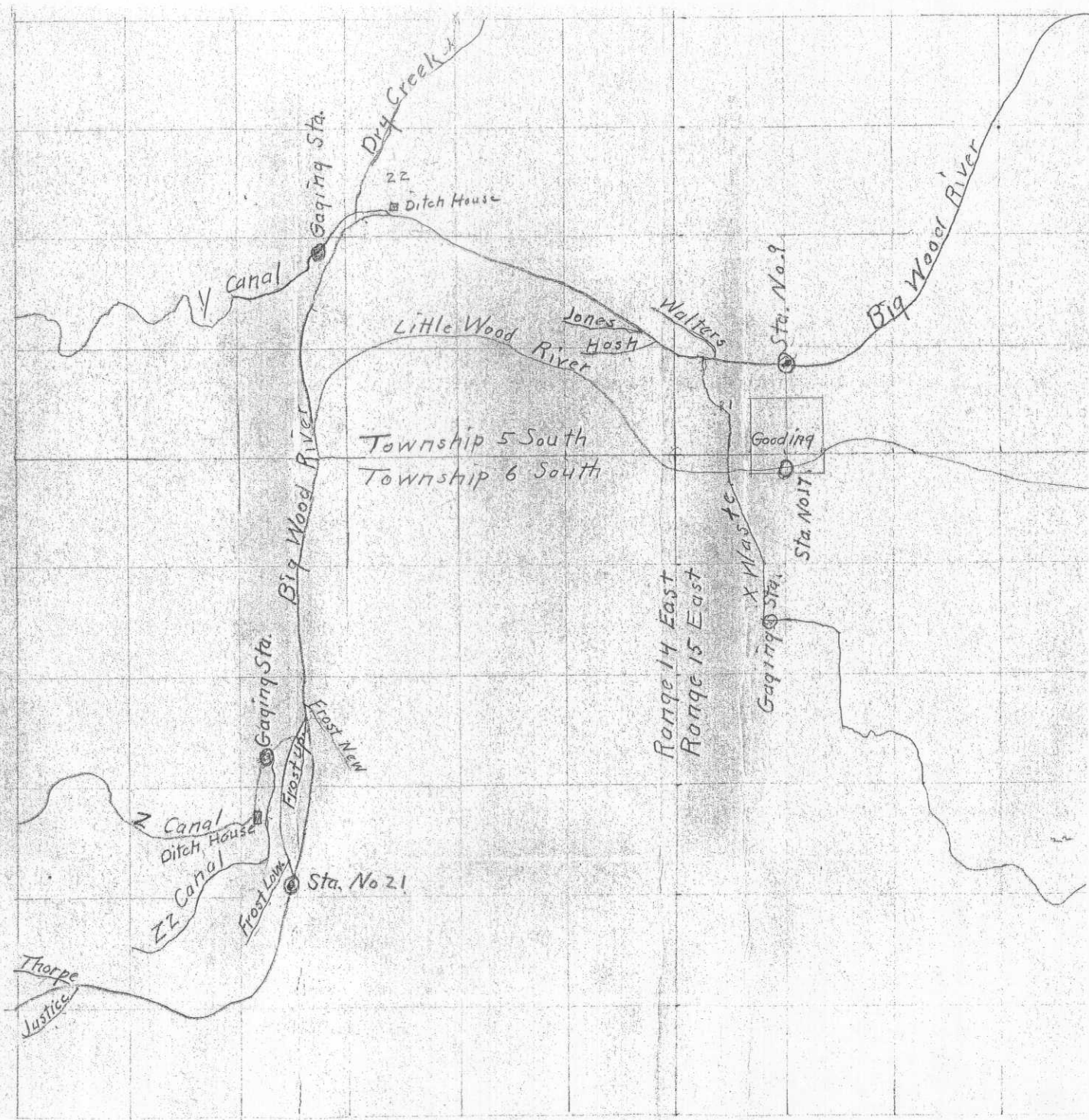


EXHIBIT “C”

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES



Watermaster

WATER DISTRICT NO. 37 & 37 M

P.O. Box T

Shoshone, Idaho 83352

(208) 886-2451

Ted Diehl
North Side Canal Company
North Lincoln
Jerome, Idaho 83338

August 20, 2004

Ted:

Please find attached the records you requested for water deliveries made to your company's "Y" and "Z" canals for the years 1917 through 1920. Earlier records dating back to 1910 could not be found and may have been destroyed in the fire in the early 1990's. If you need any more information, let me know.

Respectfully,

A handwritten signature in black ink, appearing to read "Kevin Lakey", with a stylized flourish at the end.

Kevin Lakey
Watermaster, Districts 37 and 37M

TABLE GIVING YEARLY DISCHARGE OF CANALS
BIG WOOD RIVER, DISTRICT 7-A.
1917-1918-1919

8

No	NAME OF CANAL	YEAR			MEAN
		1917	1918	1919	
1	Richfield	153548	140538	119154	137747
2	Cottonwood Slough	7450	5194	2370	5005
3	Stratton	172	554	342	356
4	Byrns-Stratton	4014	2462	1252	2576
5	Thomason	282	312	166	253
6	Fred Gooding	1096	778	526	800
7	N. D.	528	336	296	387
8	Danzler	474	324	158	319
9	Colman	418	338	204	320
10	N. G. Diversion	74832	66706	54618	65385
10-A	Davis	0	62	0	21
11	Bernard	394	386	222	334
12	Turnbull	308	214	92	204
13	Bayless	1080	992	422	831
14	Lumb	294	364	154	271
15	Baldwin - Gwin	968	986	604	853
16	Gwin-Wallace	350	308	0	219
17	Roessler - Calhoun	894	1118	444	819
18	G. J. Roessler	504	364	138	335
19	Silva	722	994	674	797
20	Butler	1032	1360	674	1022
21	Peck	452	712	200	455
22	Sims North		924	210	378
23	Sims South	904	334	224	487
24	Kaiser	512	1014	494	673
25	Gomes	290	0	64	101
26	Robertson	1050	1598	748	1132
27	Union	3678	3922	2214	3271
28	Savage	616	642	464	574
29	Poor Man	3290	2942	1454	2562
30	Deasy	236	292	142	223
31	Silk	446	438	242	375
32	Silk - Gooding	674	802	508	661
33	Walters	1138	1022	410	857
34	Jones	1624	2422	1024	1690
36	Y or Clover Cr.	23290	36516	16190	25332
37	Z or Mullin	7436	11452	4148	7679
38	Frost-Upper	1232	858	500	863
39	Frost-Lower	126	726	182	345
40	Thorp	1676	2124	1534	1778
41	Justus	1538	1626	690	1285
	TOTAL, A. F.	299,518	295,056	214,152	253,575

Quantities in Acre Feet.

S. H. C. 1919

QUANTITIES IN SECOND FL

[illegible]

TABLE GIVING DAILY DISCHARGE OF CANALS
ON BIG WOOD RIVER, DIST. 7-A, 1920.

QUANTITIES IN SEC

NO.	NAME OF CANAL.	JUNE																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	Richfield	690.0	1650	1400	0	0	0	0	0	0	0	0	0	48.0	2760	2810	2940	5060	6470	8410	8400	8470	6980	6180	3770	2500
2	Cotton Wood Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Stratton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	3.5	3.5	3.4	3.4	0	0	0	0
4	Stratton-Byrnes	8.1	6.5	10.2	10.2	3.0	0	0	0	0	0	0	3.8	15.2	15.2	15.2	13.5	13.5	13.5	13.5	16.0	17.8	21.2	21.2	16.3	0
5	Thomason	1.0	1.0	2.0	2.0	1.0	0	0	0	0	0	0	.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.9	1.7	1.7	1.7	1.4	0
6	Gooding	4.3	2.6	2.6	2.6	1.0	0	0	0	0	0	0	.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	1.6	0	0	0	0
7	N. D.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Canzler	.8	0	0	0	0	0	0	0	0	0	0	.9	2.8	2.8	2.8	2.4	2.3	2.4	2.4	2.8	.6	.6	.6	.5	0
9	Colman	2.0	2.0	2.0	2.0	.3	0	0	0	0	0	0	.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.1	0
10	N. Gooding Div.	3280	210	0	0	0	0	0	0	0	0	80.0	196.0	200.0	215.0	240	235.0	200.0	124.0	25.0	0	0	0	0	0	0
11	Bernard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Turnbull	1.2	1.3	1.3	1.3	.5	0	0	0	0	0	0	.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0	0
13	Bayless	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	2.0	2.0	2.0	2.0	1.0
14	Lumb	0	0	0	0	0	0	0	0	0	0	1.0	2.4	2.4	1.0	0	0	2.0	2.0	0	0	0	0	0	0	0
15	Baldwin	0	0	0	0	0	0	0	0	0	0	2.8	8.2	4.5	4.5	5.9	5.9	5.9	5.9	5.9	6.5	7.0	8.6	10.2	10.2	1.0
17	Roessler-Calhoun	8.3	8.3	8.3	8.3	4.0	0	0	0	0	0	0	1.5	5.5	5.5	5.1	5.2	5.1	5.1	5.1	5.1	5.5	5.5	5.5	3.0	0
18	Roessler	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	1.0	.5	.5	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0
19	Silva	5.7	5.7	5.7	5.7	4.0	0	0	0	0	0	1.1	6.5	6.5	6.0	5.6	5.1	5.1	6.0	5.1	4.9	4.4	4.4	4.4	4.4	2.6
20	Butler	14.0	14.0	14.0	14.0	10.0	1.0	0	0	0	0	0	4.3	12.0	11.4	11.4	11.4	11.4	11.4	11.4	10.6	10.0	9.1	7.0	7.0	2.3
21	Peck	4.5	4.5	4.5	4.5	2.0	0	0	0	0	0	0	2.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	7
22	Sims North	2.0	2.0	2.0	2.0	2.0	0	0	0	0	0	0	0	1.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6
23	Sims South.	3.2	3.2	3.2	3.2	3.2	0	0	0	0	0	0	0	2.5	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0
24	Maiser	8.6	8.6	8.6	8.6	8.6	4.0	1.0	0	0	0	0	0	4.0	8.0	8.2	8.2	8.2	8.2	8.2	6.3	2.9	2.9	2.9	2.9	2.9
25	Gomes	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0	.9	2.5	.4	0	0	0	0	0	0	0	0	0	0	0
26	Robertson	14.8	14.8	14.8	14.8	10.0	0	0	0	0	0	0	0	4.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.7	12.0	12.0	12.0	12.0
27	Union	31.8	31.8	31.8	296	240	2.0	1.0	0	0	0	0	0	23.0	30.2	31.0	28.4	28.4	28.4	30.0	23.6	6.4	6.6	7.1	7.1	7.1
28	Savage	4.4	4.4	4.4	4.4	4.4	3.0	1.0	0	0	0	0	0	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
29	Poorman	23.5	23.5	21.5	21.0	12.0	0	0	0	0	0	0	0	19.7	24.2	23.0	21.3	21.3	21.3	21.3	17.4	10.8	8.6	8.6	8.6	8.6
30	Deasy	1.0	2.0	2.0	1.0	0	0	0	0	0	0	0	0	1.5	1.7	2.0	2.0	2.0	2.0	2.0	2.0	1.5	0	0	0	0
31	Silk	3.0	3.0	3.0	1.0	0	0	0	0	0	0	0	0	2.6	3.1	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
32	Silk-Gooding	6.0	6.0	6.0	4.0	1.0	0	0	0	0	0	0	0	4.1	6.0	7.2	8.3	8.3	7.2	7.0	7.0	6.7	6.0	6.0	6.0	6.0
33	Walters	6.0	6.0	6.0	1.0	0	0	0	0	0	0	0	0	6.0	8.0	6.0	5.2	5.2	5.2	5.2	5.2	4.7	4.0	4.0	4.0	4.0
34	Jones	10.0	10.0	10.0	10.0	10.0	10.0	0	0	0	0	0	0	8.0	12.0	12.0	12.0	8.3	5.6	5.6	5.6	5.6	5.6	5.6	4.5	3.5
36	Yor Clover Cr.	1190	1190	1180	1130	1070	1060	1050	1070	1010	930	1000	990	1040	1250	1070	970	980	970	990	980	980	990	990	950	970
37	Zor Mullin	360	370	363	344	321	310	302	275	271	308	301	301	386	378	257	268	234	252	271	250	250	279	278	250	250
38	Frost Upper	4.0	3.5	3.4	4.6	4.6	2.0	2.0	2.0	0	2.0	2.0	1.0	18.4	8.4	5.2	5.0	5.8	7.9	6.7	6.7	6.7	2.3	4.1	1.5	1.5
39	Frost Lower	.4	.3	.3	.3	3.5	4.6	2.8	.1	3.1	3.5	3.5	3.1	3.0	2.8	3.3	5.0	1.4	2.1	1.8	1.8	1.8	1.8	1.8	1.8	6.5

TABLE SHOWING DAILY DISCHARGE OF CANALS
ON BIG WOOD RIVER, DIST. 7-A, 1920.

QUANTITIES IN SECONDS

NO	NAME OF CANAL	MAY																									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	Richfield	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98.0	456.0	410.0	496.0	505.0	676.0	832.0	882.0	953.0	996.0
2	Cotton Wood Slough.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Stratton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	18.8	18.4	18.4	22.5	26.7	26.7	26.7	26.7
4	Stratton-Byrns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
5	Thomason	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2
6	Gooding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0	6.0	4.7	3.3	3.3	3.3	3.3	5.7	4.4
7	N. D.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Canzler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.7	1.3	1.6	2.3	2.1	2.0	2.0	2.1	2.0
9	Colman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	1.8	1.8	1.8	2.2	2.4	2.4	2.4	2.4
10	N. G. Diversion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101.0	257.0	359.0	359.0	363.0	357.0	369.0	374.0	372.0
11	Bernard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Turnbull	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.7	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.2
13	Bayless	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Lumb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	2.8	3.0	3.0	3.0	3.0	3.0
15	Baldwin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Roessler-Colhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	6.5	7.4	7.4	7.4	8.3	8.3	8.3	8.3
17	G. and J. Roessler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.8	2.4	2.4	2.4	1.9	1.0	1.0	1.0	1.0
18	Silva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.6	4.5	7.5	7.5	7.5	7.5	7.5	7.5	4.8
19	Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1	7.4	6.7	6.7	6.7	6.7	6.7	7.2
20	Peck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	5.1	3.4	3.4	3.4	3.4	4.3	4.3
21	Sims North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22	Sims South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0	3.0	5.3	5.3	5.3	5.3	5.3
23	Kaiser	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	5.2	8.6	8.6	8.6	8.6	8.6
24	Gomes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25	Robertson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.8	11.3	7.0	7.0	8.1	11.0	12.4
26	Union	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.3	22.4	22.4	22.4	22.4	22.4	27.7
27	Savage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	4.4	4.4	4.4	4.4	4.4
28	Poorman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.0	13.4	10.4	10.4	14.3	14.3	15.0
29	Deasy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.5	2.0	2.0	2.0	2.0	2.0	2.0
30	Silk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.4	2.0	2.0	2.0	2.0	2.0
31	Silk-Gooding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4	6.0	6.0	6.0	6.0	6.0	6.0
32	Walters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	6.0	1.0	1.0	0	6.0	6.0
33	Jones	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	6.0	9.7	8.7	8.7	11.0	10.0	10.0
34	Y or Clover Cr.	84.0	94.0	88.0	96.0	94.0	97.0	103.0	106.0	106.0	115.0	115.0	114.0	112.0	111.0	110.0	110.0	110.0	52.0	115.0	139.0	132.0	113.0	112.0	115.0	114.0	117.0
35	Z or Mullin	22.7	35.9	22.9	24.3	26.5	22.3	31.6	39.3	35.3	41.4	41.4	42.3	45.5	45.5	43.8	41.4	33.5	25.7	19.4	46.7	45.9	32.3	29.8	37.1	34.9	34.0
36	Frost Upper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2	0	11.0	11.0	7.3	7.8	3.2	3.5	3.3
37	Frost Lower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7	6.5	1.7	2.3	2.3	4.0	4.0

QUANTITIES IN SECOND FE

AUGUST

		AUGUST																											
NO	NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
1	Richfield	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	158.0	208.0	203.0	127.0	80.0	76.0	73.0	20.0	0	0	0	0	
2	Cotton Wood Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Stratton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Stratton-Byrns	0	0	0	0	5.7	10.4	10.5	10.5	4.0	0	.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Thomason	0	0	0	0	0	0	0	0	.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Gooding	0	0	0	0	0	0	0	0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	N. D.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	Conzler	0	0	0	0	0	0	0	0	.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Colman	0	0	0	0	1.5	3.0	3.0	3.0	3.0	2.0	.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	N. E. Diversion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	Bernard	0	0	0	0	0	0	2.0	4.0	4.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	Turnbull	0	0	0	0	0	0	1.0	2.0	2.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Bayless	0	0	0	0	0	0	0	2.0	2.0	2.0	.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	Lumb	0	0	0	0	0	2.0	2.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	Baldwin	0	0	0	0	0	0	0	4.2	7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	Roessler-Calhoun	0	0	0	0	0	0	0	4.3	4.3	4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	Roessler	0	0	0	0	0	0	1.0	1.0	1.0	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	Silva	0	0	0	0	0	0	0	3.0	3.0	2.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	Butler	0	0	0	0	0	0	0	4.4	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	Peck	0	0	0	0	0	0	0	2.6	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	Sims North	0	0	0	0	0	0	2.0	2.0	2.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	Sims South	0	0	0	0	0	0	3.0	3.0	3.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	Kaiser	0	0	0	0	0	0	0	6.8	4.7	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	Gomes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	Robertson	0	0	0	0	0	0	0	6.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	Union	0	0	0	0	0	0	3.5	19.9	4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	Savage	0	0	0	0	0	0	.8	5.2	4.0	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	Poorman	0	0	0	0	0	0	3.5	18.1	6.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	Deasy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	Silk	0	0	0	0	0	0	.2	2.0	2.0	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32	Silk-Gooding	0	0	0	0	0	0	.4	4.0	4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	Walters	0	0	0	0	0	0	0	4.0	4.0	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	Jones	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36	Y or Clover Cr	90.0	94.0	96.0	96.0	81.0	30.0	35.0	31.0	0	57.0	52.0	67.0	86.0	82.0	75.0	75.0	81.0	88.0	88.0	88.0	95.0	90.0	90.0	92.0	34.0	52.0	46.0	46.0
37	Z or Mullin	218	211	218	218	268	40.9	64.3	57.7	45.9	34.7	4.0	0	11.7	12.2	9.7	10.6	15.7	17.1	16.6	19.4	20.1	19.4	19.5	22.5	24.1	28.7	28.0	
38	Frost Upper	0	0	0	0	0	1.6	8.4	4.6	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	