

FIELD NOTES

PERMIT NUMBER 67-7376

PLEASE NOTE: These documents are for backup purposes only and are not apart of actual Beneficial Use Field Report.

FLOW CALCULATION SHEET FOR FIELD EXAM ON 67-7376 BY DAN NELSON

There were several factors to consider when calculating the flow rate for this permit. A measurement device has been installed in the ditch. This device is a 4 ft wide Parshall flume that is 2 feet deep. During my visit the ditch company had approximately 1.5 ft of water flowing through the flume.

Even though the water in the ditch was at this level during my field visit, it was very clear from the surrounding vegetation and water marks that the water in the ditch had totally submersed the flume. I checked water district records for basin 67, and found that the ditch company did divert 2.21 ft of water through the flume on July 15, 2001 and 2.2 ft on July 15, 2002. These two records confirm my observation that the water in the ditch has been run at least 0.2 ft above the top of the flume. The records for the water district are not very consistent, so I couldn't find any other instances of water being run above the top of the flume. However, the ditch rider and manager for the Cambridge Ditch Company have informed me that it is common practice to totally flood out the flume for this system.

In order to ensure the watermaster has the ability to properly measure and regulate the ditch, the capacity of the ditch must be limited to what can be accurately measured. Allowing more than the maximum amount that can be measured would cause serious problems for the watermaster.

DITCH CAPACITY:

The Bureau of Reclamation Water Measurement Manual's table A8-12 lists the flow of water in a 4 ft flume that is 2.00 feet deep is 47.8 cfs of water.

Therefore, the ditch capacity is limited to 47.8 cfs

MAXIMUM RATE ALLOWABLE PER ACRE FOR THIS PERMIT:

The permit limits this permit to 5/8 of an inch per acre or 0.0125 cfs per acre in an effort to keep this right consistent with the earlier Weiser River decree. I found a total of 1827.9 acres irrigated from the ditch. The maximum allowable rate of diversion is as follows:

$0.0125 \text{ cfs} \times 1827.9 \text{ acres} = \mathbf{22.85 \text{ cfs}}$ maximum allowable rate of diversion.

OVERLAPPING RIGHTS:

There are approximately 29 privately owned water rights that use the Cambridge Ditch to carry the water to their place of use. Most of these rights have an earlier in time priority date than this permit, so it is important to mention these rights. Most of these rights will be altered or changed when they are recommended in the Snake River Basin Adjudication (SRBA), but it is important to be aware that a portion of the ditch capacity goes to these rights.

Approximately, 959.7 acres of the 1827.9 acres have existing water rights on them, for a combined diversion rate of 27.42 cfs. At this rate of diversion, many of these rights would need to be reduced, because they allow more than the standard inch per acre or 0.02 cfs ($27.42 \text{ cfs} / 959.7 \text{ acres} = 0.029 \text{ cfs/acre}$). If these water rights were limited to the 0.02 cfs per acre standard, the overlapping water rights would only use 19.19 cfs of the ditch capacity ($0.02 \text{ cfs} \times 959.7 \text{ acres} = 19.19 \text{ cfs capacity}$), and if they are limited to the earlier decree's duty of water of 5/8 inch of water they would only be allowed 12.00 cfs of water ($0.0125 \text{ cfs} \times 959.7 \text{ acres} = 12.00 \text{ cfs}$).

This permit does supply water to approximately 868.2 acres that don't have any earlier water right associated with the land. At the 5/8-inch of water allowed under this permit, these acres account for 11.19 cfs of the maximum allowable rate per acre ($0.0125 \text{ cfs} \times 868.2 \text{ acres} = 10.85 \text{ cfs}$).

CONCLUSION:

It is impossible to determine at this time what rate of diversion and the number of acres that will be recommended for the existing water rights. The ditch capacity of 47.8 cfs is more than enough to supply the existing water rights at an inch per acre or 19.19 cfs and the new acres irrigated by this permit at 5/8 inch per acre or 10.85 cfs ($47.8 \text{ cfs} > (19.19 + 10.85 \text{ cfs} = 30.04 \text{ cfs})$). The unknown part of this equation is what will and will not be recommended in the SRBA.

Therefore, there are only two options available at this time. The first option would be to not license this right until the SRBA has been completed. The second option is to allow the maximum allowable of 22.85 cfs for this permit, and condition the license to limit the various possible combinations with the overlapping water rights. Whereas, we have been asked to license this right prior to the SRBA review, I must go with the second option and make the following recommendation:

I RECOMMEND THAT THIS RIGHT BE LICENSED WITH A DIVERSION RATE OF 22.85 CFS WITH THE CONDITIONS SIMILAR TO THOSE MENTIONED IN THE NARRATIVE.

Table A8-12 [continued]. Free-flow discharges in ft³/sec through 1- to 8-foot Parshall flumes. Discharges for 2- to 8-ft flumes computed from the formula $Q=4.00Wh_a^{1.522(W^{0.026})}$. Discharges for 1-ft flume computed from the formula $Q=3.95h_a^{1.55}$.

Upper Head h_a , ft	Discharge for flumes of various throat widths, W							
	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
1.80	9.82	19.9	30.1	40.4	50.8	61.3	71.8	82.3
1.81	9.91	20.1	30.4	40.8	51.3	61.8	72.4	83.0
1.82	9.99	20.2	30.7	41.2	51.7	62.4	73.0	83.7
1.83	10.1	20.4	30.9	41.5	52.2	62.9	73.7	84.5
1.84	10.2	20.6	31.2	41.9	52.6	63.5	74.3	85.2
1.85	10.2	20.8	31.4	42.2	53.1	64.0	75.0	86.0
1.86	10.3	20.9	31.7	42.6	53.5	64.6	75.6	86.7
1.87	10.4	21.1	32.0	43.0	54.0	65.1	76.3	87.5
1.88	10.5	21.3	32.3	43.3	54.5	65.7	76.9	88.2
1.89	10.6	21.5	32.5	43.7	54.9	66.2	77.6	89.0
1.90	10.7	21.6	32.8	44.1	55.4	66.8	78.2	89.7
1.91	10.8	21.8	33.1	44.4	55.9	67.4	78.9	90.5
1.92	10.9	22.0	33.3	44.8	56.3	67.9	79.6	91.3
1.93	10.9	22.2	33.6	45.2	56.8	68.5	80.2	92.0
1.94	11.0	22.3	33.9	45.5	57.3	69.0	80.9	92.8
1.95	11.1	22.5	34.2	45.9	57.7	69.6	81.6	93.6
1.96	11.2	22.7	34.4	46.3	58.2	70.2	82.2	94.3
1.97	11.3	22.9	34.7	46.6	58.7	70.8	82.9	95.1
1.98	11.4	23.1	35.0	47.0	59.1	71.3	83.6	95.9
1.99	11.5	23.2	35.3	47.4	59.6	71.9	84.3	96.7
2.00	11.6	23.4	35.5	47.8	60.1	72.5	84.9	97.4
2.01	11.7	23.6	35.8	48.1	60.6	73.1	85.6	98.2
2.02	11.7	23.8	36.1	48.5	61.0	73.6	86.3	99.0
2.03	11.8	24.0	36.4	48.9	61.5	74.2	87.0	99.8
2.04	11.9	24.1	36.7	49.3	62.0	74.8	87.7	101.
2.05	12.0	24.3	36.9	49.7	62.5	75.4	88.4	101.
2.06	12.1	24.5	37.2	50.0	63.0	76.0	89.1	102.
2.07	12.2	24.7	37.5	50.4	63.5	76.6	89.7	103.
2.08	12.3	24.9	37.8	50.8	63.9	77.2	90.4	104.
2.09	12.4	25.1	38.1	51.2	64.4	77.8	91.1	105.
2.10	12.5	25.3	38.4	51.6	64.9	78.3	91.8	105.
2.11	12.6	25.4	38.6	52.0	65.4	78.9	92.5	106.
2.12	12.7	25.6	38.9	52.4	65.9	79.5	93.2	107.
2.13	12.8	25.8	39.2	52.8	66.4	80.1	93.9	108.
2.14	12.8	26.0	39.5	53.1	66.9	80.7	94.7	109.
2.15	12.9	26.2	39.8	53.5	67.4	81.3	95.4	109.
2.16	13.0	26.4	40.1	53.9	67.9	81.9	96.1	110.
2.17	13.1	26.6	40.4	54.3	68.4	82.6	96.8	111.
2.18	13.2	26.8	40.7	54.7	68.9	83.2	97.5	112.
2.19	13.3	27.0	41.0	55.1	69.4	83.8	98.2	113.

PLEASE NOTE: This table was acquired from the Water Measurement Manual put out by U.S. Department of the Interior, Bureau of Reclamation. I used the latest edition or Third Edition.

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WATER RESOURCES
WESTERN REGION

PROPERTY OF THE STATE OF IDAHO

Form No. 300-W

WATERMASTER'S

DAILY RECORD

Stream Weiser River

Water District 67

Month of May, June, July, August, 192001

Watermaster Bosco Basler

P. O. Address 2711 Shoop Rd
Medvale ID 83641

Ten days after the close of the irrigation season the Watermaster must forward this book to

DEPARTMENT OF WATER
RESOURCES
STATE HOUSE
BOISE, IDAHO 83701

If this book is lost, the finder will please return to the Watermaster of the district, as it contains valuable records.

Month of May June July @ 2001

NOTE—Fig. _____ be given in cubic feet per second for 24-hour periods, or 24-hour second feet. Give name of owner of water rights, not tenant.

Month of <u>May June July & August</u> <u>2001</u>		Water Right Ident. No.	Amount Second Feet (cfs)	DAYS OF MONTH					Acres Cultivated	Sec.	T
Name of Present Owner	Address			15	2	<u>May</u> 4	30				
<u>Middle Valley</u>	<u>8' par</u>			<u>1.62</u>				<u>1.64</u>			
<u>Allison - fuel</u>	<u>8' Cip</u>			<u>.55</u>				<u>.46</u>			
<u>Cambridge Ditch</u>	<u>4' par</u>			<u>.0</u>				<u>.83</u>			
<u>Goodrich Ditch</u>	<u>18" par</u>			<u>.56</u>				<u>.57</u>			
<u>Middle Fork Ditch</u>	<u>3' Cip</u>			<u>.62</u>				<u>.52</u>			
<u>Frank Haun</u>	<u>18" Par</u>			<u>.72</u>				<u>.22</u>			
<u>T. J. Glenn</u>	<u>18" Par</u>			<u>.54</u>				<u>.89</u>			
<u>Osborn - Glenn</u>	<u>3' cip</u>			<u>.30</u>				<u>.30</u>			
<u>Farmers Canal</u>	<u>64" Ric</u>			<u>.48</u>				<u>.57</u>			
<u>Robertson Sevey</u>	<u>2' Par</u>			<u>.82</u>				<u>.84</u>			
<u>East Fork</u>	<u>5' Par</u>			<u>.35</u>				<u>.76</u>			

May fine July 2001
August

**Water
Right
Ident.**

mount
and Feet
(cfs)

DAYS OF MONTH

Name of Present Owner	5	6	7	8	9	10	11	12	13	14	15	Acres Cultivated	Sec.
Middle Valley	1.85					Jan							
Adrian - fuel	.64												
Cambridge Ditch	1.13												
Goodrich Ditch	.55												
Middle Fork Ditch	.59												
Frank Haun	.21												
T. J. Glenn	.39												
Osborn - Glenn	.13												
Farmers Canal	.56												
Robertson Sevey	.96												
East Fork	.71												

② Not True reading - Canal
dammed up + backed up.

② Not True reading - Canal
dammed up + backed up.

Month of May June July August 2001

NOTE—Fig. 3 to be given in cubic feet per second for 24-hour periods, or 24-hour second feet. Give name of owner of water rights, not tenant.

Water Right Ident.

Amount
and Feet
(cfs)

DAYS OF MONTH

[illegible]

May June July August 2001

mount
and Feet
(cfs)

DAYS OF MONTH

Name of Present Owner	26	28	29	30	31	Total in 24-hour		REMARKS	Acres Cultivated	Sec.	T
						Sec.	Feet				
Middle Valley	1.84				1.91						
Allison - fuel	.65				.53						
Cambridge Ditch	1.42				1.19						
Goodrich Ditch	.62				.66						
Middle Fork Ditch	.67				.60						
Frank Haun	.60				.58						
T. J. Glenn	.51				.42						
Osborn - Glenn	.43				.05						
Farmers Canal	.33				.40						
Robertson Sewer	.90				.89						
East Fork	.33				.32						

PROPERTY OF THE STATE OF IDAHO

Form No. 300-W

WATERMASTER'S

DAILY RECORD

Stream Weiser River
Water District 67
Month of May, June, July, August, 2002
Watermaster Bosco Bosker
P. O. Address 2711 Shoop
Minvale Id 83645

Ten days after the close of the irrigation season the Watermaster must forward this book to

DEPARTMENT OF WATER
RESOURCES
STATE HOUSE
BOISE, IDAHO 83701

If this book is lost, the finder will please return it to the Watermaster of the district, as it contains valuable records.

Water
Right
Ident.
No.

NOTE—Figures to be given in cubic feet per second for 24-hour periods, or 24-hour second feet. Give name of owner of water rights, not tenant.

DAYS OF MONTH

Name of Present Owner	Address	Ident. No.	Am. Second (c)	DAYS OF MONTH		5	Acres Cultivated	Sec.	Twp.	Rge.
				1	15 May 30					
Middle Valley				1.7	1.77					
Allison-funnel				.65	.67					
Cambridge Ditch				1.01	1.5					
Goodrich				.94	.95					
Middle Fork				.80	.91					
Hann Ditch				.00	.00					
T.I. Glean				.80	.96					
Oshorn-Groom				.04	.60					
Farmer's Canal				.00	.44					
Robertson Sewer				.00	.92					
East Fork				.00	.26					

DAYS OF MONTH

[illegible]

Water Right Ident.

NOTE—Figures to be given in cubic feet per second for 24-hour periods, or 24-hour second feet. Give name of owner of water rights, not tenant.

DAYS OF MONTH

[illegible]

**Water
Right
Ident.**

NOTE—Figures to be given in cubic feet per second for 24-hour periods, or 24-hour second feet. Give name of owner of water rights, not tenant.

DAYS OF MONTH

[illegible]

TOTAL OVERLAP OF CAMBRIDGE DITCH COMPANY POINT OF DIVERSION PER COMPANY REPRESENTATIVES

Basin	Sequence	Suffix	Basis	Priority Date	Rate(cfs)	Volume(af)	Source	Water Use(s)	Source Table	Source Table
67	32	B	Decreed	1886-07-04	0.8		WEISER RIVER	IRRIGATION	FOX, JANE (Current); FOX, MIKE E (Current)	wrWaterRight
67	32	C	Decreed	1886-07-04	0.4		WEISER RIVER	IRRIGATION	NOAH, KATHRYN A (Current); NOAH, RANDY E (Current)	wrAdjudicationClaim
67	32	D	Decreed	1886-07-04	0.4		WEISER RIVER	IRRIGATION	NELSON, VAUGHN (Current)	wrAdjudicationClaim
67	32	E	Decreed	1886-07-04	1.8		WEISER RIVER	IRRIGATION	SMITH, SHIRLEY F (Current)	wrAdjudicationClaim
67	34		Decreed	1884-05-06	2.5		WEISER RIVER	IRRIGATION	PFOST, J EMMETT (Current)	wrWaterRight
67	34	B	Decreed	1884-05-06	0.94		WEISER RIVER	IRRIGATION	NOAH, KATHRYN A (Current); NOAH, RANDY E (Current)	wrAdjudicationClaim
67	34	C	Decreed	1884-05-06	0.06		WEISER RIVER	IRRIGATION	KLINE, GLENN N (Current)	wrAdjudicationClaim
67	34	E	Decreed	1884-05-06	0.5		WEISER RIVER	IRRIGATION	BARTON RANCH INC (Current)	wrAdjudicationClaim
67	36		Decreed	8/27/1910	1		WEISER RIVER	IRRIGATION	MOONEY, DAVID C (Current); MOONEY, MARJORIE I (Current)	wrAdjudicationClaim
67	36		Decreed	8/27/1910	1		WEISER RIVER	IRRIGATION	ABERNATHY, GOLDIE (Current)	wrWaterRight
67	37		Decreed	8/27/1910	1		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim
67	37		Decreed	8/27/1910	1		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrWaterRight
67	497		Decreed	6/1/1904	1.2		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim
67	497		Decreed	6/1/1904	1.2		WEISER RIVER	IRRIGATION	LAUGHLIN, E C (Current)	wrWaterRight
67	658		Decreed	6/1/1910	0.8		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim
67	658		Decreed	6/1/1910	0.8		WEISER RIVER	IRRIGATION	LAUGHLIN, E C (Current)	wrWaterRight
67	2055		License	9/25/1912	2		WEISER RIVER	DOMESTIC, IRRIGATION	ABERNATHY, HARRY (Current)	wrWaterRight
67	2055	A	License	9/25/1912	1.3		WEISER RIVER	IRRIGATION	MOONEY, DAVID C (Current); MOONEY, MARJORIE I (Current)	wrAdjudicationClaim
67	2055	B	License	9/25/1912	0.7		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim
67	2211		License	2/20/1952	1.62		WEISER RIVER	IRRIGATION, STOCKWATER	NOAH, KATHRYN A (Current); NOAH, RANDY E (Current)	wrAdjudicationClaim
67	2211		License	2/20/1952	0.6		WEISER RIVER	IRRIGATION	INGEBRETSEN, FRANK R (Current)	wrWaterRight
67	2212		License	2/20/1952	0.6		WEISER RIVER	IRRIGATION	MOONEY, DAVID C (Current); MOONEY, MARJORIE I (Current)	wrAdjudicationClaim
67	2212		License	2/20/1952	0.6		WEISER RIVER	IRRIGATION	THOMASON, JAMES M (Current)	wrWaterRight
67	2213		License	2/20/1952	3.6		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim
67	2213		License	2/20/1952	3.6		WEISER RIVER	IRRIGATION	JOHNSON, CLIFFORD L (Current)	wrWaterRight
67	2214		License	2/20/1952	0.9		WEISER RIVER	IRRIGATION	WHITTLE, MARGARET H (Current)	wrWaterRight

67	2219		Permit	11/18/1965	2.4		GRIZZLY CREEK , WEISER RIVER	IRRIGATION	VOLLE, ELEANOR (Current); VOLLE, GEORGE D (Current)	wrAdjudicationClaim
67	2219			11/18/1965	2.4		WEISER RIVER	IRRIGATION	VOLLE, ELEANOR (Current); VOLLE, GEORGE D (Current)	wrWaterPermit
67	4092		Statutory Claim	5/15/1962	3.2		WEISER RIVER	IRRIGATION, STOCKWATER	FOX, JANET M (Current); FOX, MIKE E (Current)	wrWaterRight
67	4092 A		Beneficial Use	5/15/1962	1.6		WEISER RIVER	IRRIGATION, STOCKWATER	NELSON, VAUGHN (Current)	wrAdjudicationClaim
67	4092 B		Statutory Claim	5/15/1962	1.6		WEISER RIVER	IRRIGATION, STOCKWATER	NOAH, KATHRYN A (Current); NOAH, RANDY E (Current)	wrAdjudicationClaim
67	4159		Statutory Claim	6/1/1914	4.8		WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim
67	4159		Statutory Claim	6/1/1914	4.8		WEISER RIVER	IRRIGATION	BRAUN, ERNA (Current); BRAUN, THEODORE (Current)	wrWaterRight
67	7204		License	10/29/1973	0.1		WEISER RIVER	IRRIGATION, STOCKWATER	WILSON, JOE F (Current)	wrAdjudicationClaim
67	7204		License	10/29/1973	0.1	16.4	WEISER RIVER	IRRIGATION, STOCKWATER	WILSON, JOE F (Current)	wrWaterRight
67	7376		Permit	3/14/1978	13		WEISER RIVER	IRRIGATION	CAMBRIDGE DITCH CO (Current)	wrAdjudicationClaim
67	7376			3/14/1978	40		WEISER RIVER	IRRIGATION	CAMBRIDGE DITCH CO (Current)	wrWaterPermit
67	10400		Beneficial Use	5/15/1962	0.3		WEISER RIVER	IRRIGATION	NOAH, KATHRYN A (Current); NOAH, RANDY E (Current)	wrAdjudicationClaim
67	14280		Decreed	1884-05-06	0.5	120	WEISER RIVER	IRRIGATION	FOX, JANET M (Current); FOX, MIKE E (Current)	wrAdjudicationClaim
67	14281		Decreed	1884-05-06	0.5	120	WEISER RIVER	IRRIGATION	CHE ENTERPRISES INC (Current)	wrAdjudicationClaim

IRRIGATION PLACE OF USE OVERLAP ANALYSIS FIELD EXAM 67-7376

TOWNSHIP 15N RANGE 2W SECTION 19

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376															3.1	0.7	3.8
67-2219															3.1	0.7	3.8
COVERED ACRES															3.1	0.7	3.8
NEW ACRES																	NONE

TOWNSHIP 15N RANGE 2W SECTION 30

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376	5.3	5.1	3.0	7.5									12	12	12	15	71.9
67-2219	5.3	5.1	3	7.5									12	12	12	15	71.9
COVERED ACRES	5.3	5.1	3	7.5									12	12	12	15	71.9
NEW ACRES																	NONE

PLEASE NOTE: Water right 67-2219 is for 120 acres within a 156.5-acre permissible place of use. The remaining 36.5 acres are covered by Cambridge Ditch Company water right 67-7376. Therefore, the final totals should show a reduction of the covered acres by 36.5 acre and an increase in the new acres of 36.5 acres. It wasn't possible to show this discrepancy in these tables.

TOWNSHIP 15N RANGE 2W SECTION 29

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376											2.9						2.9
67-2219											2.9						
COVERED ACRES											2.9						2.9
NEW ACRES																	

TOWNSHIP 15N RANGE 2W SECTION 31

[illegible]

TOWNSHIP 15N RANGE 2W SECTION 32

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376			5.6		2.4	37	40	38	39	40	34	40	0.6	7.1	34	39	356.7
67-2213							40	35	40	40	40	40		5			240
67-497			40				40	40	40	40	40	40		40			320
67-658			40				40	40	40	40	40	40		40			320
67-2219						37											37
COVERED ACRES			5.6			37	40	38	39	40	34	40		7.1			280.7
NEW ACRES					2.4								0.6		34	39	76

TOWNSHIP 15N RANGE 2W SECTION 33

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376										6	35	4					45
COVERED ACRES																	
NEW ACRES										6	35	4					45

TOWNSHIP 14N RANGE 2W SECTION 6

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376	39	37	38	32	38		14	30					37	37	27	30	359
67-4092B	40			40													80
67-10400	7.5			7.5													15
67-14280							20	20									40
67-2211		40	40														80
67-32C	15			15													30
67-34B		35	40														75
67-34C		5															5
67-34E					40												40
67-7204														4			4
67-2214					40		20	25									85
COVERED ACRES	39	37	38	32	38		14	30									228
NEW ACRES													37	37	27	30	131

TOWNSHIP 14N

RANGE 2W

SECTION 5

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376	25	36		40	39	37	39	39		40	40						335
67-32D					15	15											30
67-4092					40	40											80
67-32E						5											5
COVERED ACRES					39	37											76
NEW ACRES	25	36		40			39	39		40	40						259

TOWNSHIP 14N

RANGE 2W

SECTION 4[illegible]

TOWNSHIP 14N RANGE 2W SECTION 7

[illegible]

TOWNSHIP 14N RANGE 2W SECTION 8

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376					33	32	29	32									126
COVERED ACRES																	
NEW ACRES					33	32	29	32									126

TOWNSHIP 14N RANGE 3W SECTION 13

WR #	N E				N W				S W				S E				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
67-7376					30			30	36	36							132
COVERED ACRES																	
NEW ACRES					30			30	36	36							132

PHOTOGRAPHER AND DATE OF PHOTOS DANIEL A NELSON 5/24/2005

FILE NUMBER 67-7376



These photos are taken of the spot down stream of the point of diversion. The ditch company constructs a dam across the river every year to back up the water. This dam washes out each spring during the high water. The picture above shows the river without the dam and the picture below shows the river with the dam. The above picture was taken during my exam and the lower picture was taken during an exam that was done several years ago.



PHOTOGRAPHER AND DATE OF PHOTOS DANIEL A NELSON 5/24/2005

FILE NUMBER 67-7376



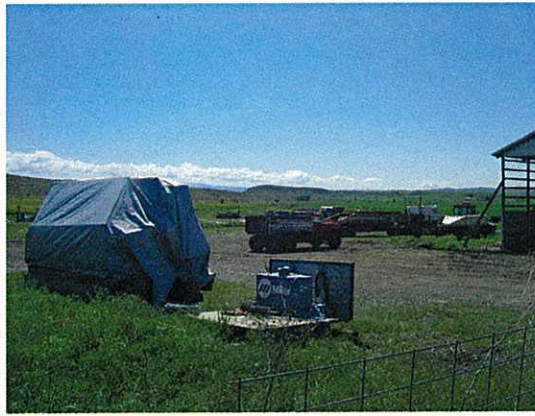
The above pictures are of the headgate and ditch flowing from the headgate at the Cambridge Ditch Company point of diversion.

The picture below is of the Cambridge Parshall flume and the ditch after the flume. The flume is in a fairly good location and I am comfortable with any measurements made.



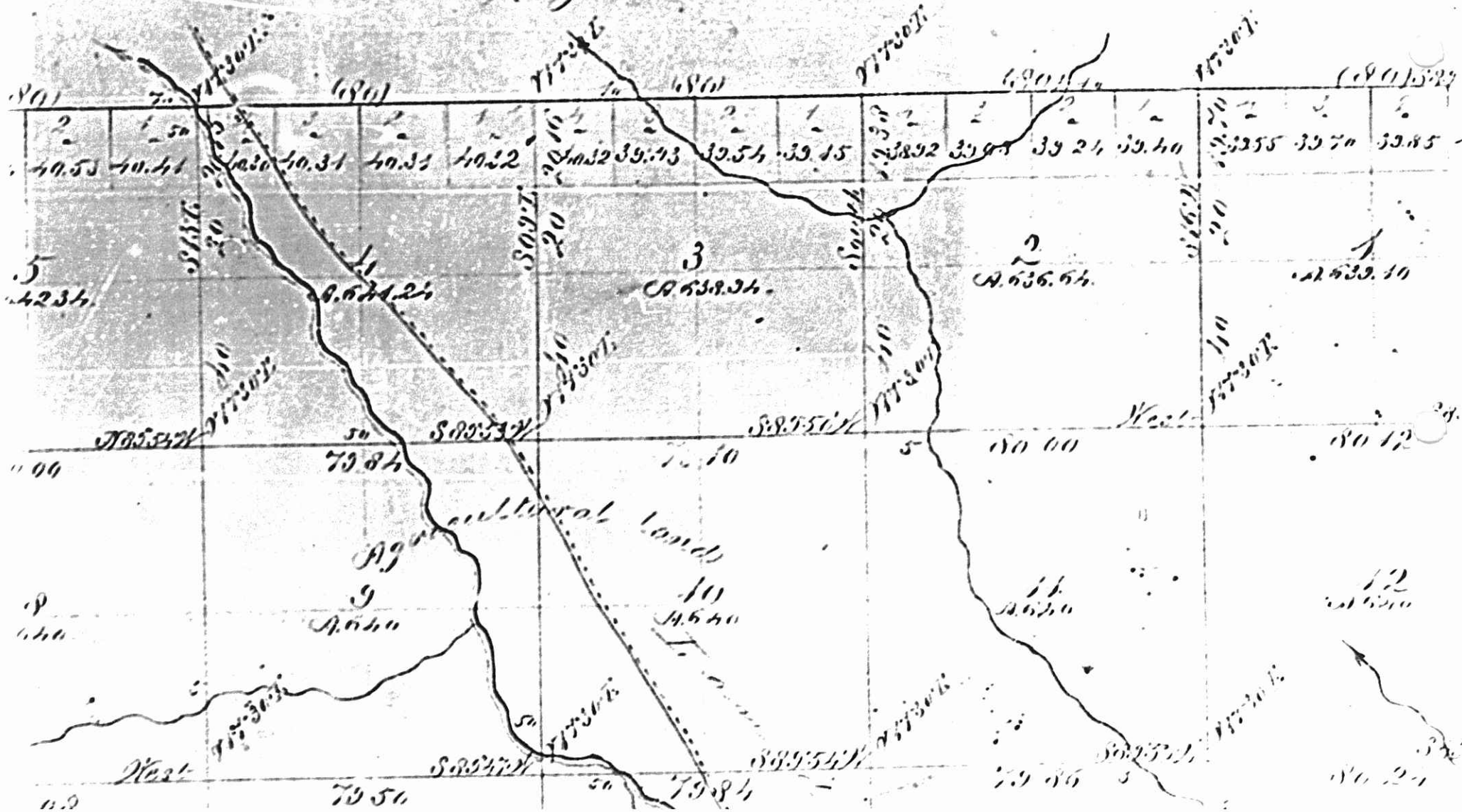
PHOTOGRAPHER AND DATE OF PHOTOS DANIEL A NELSON 5/24/2005

FILE NUMBER 67-7376

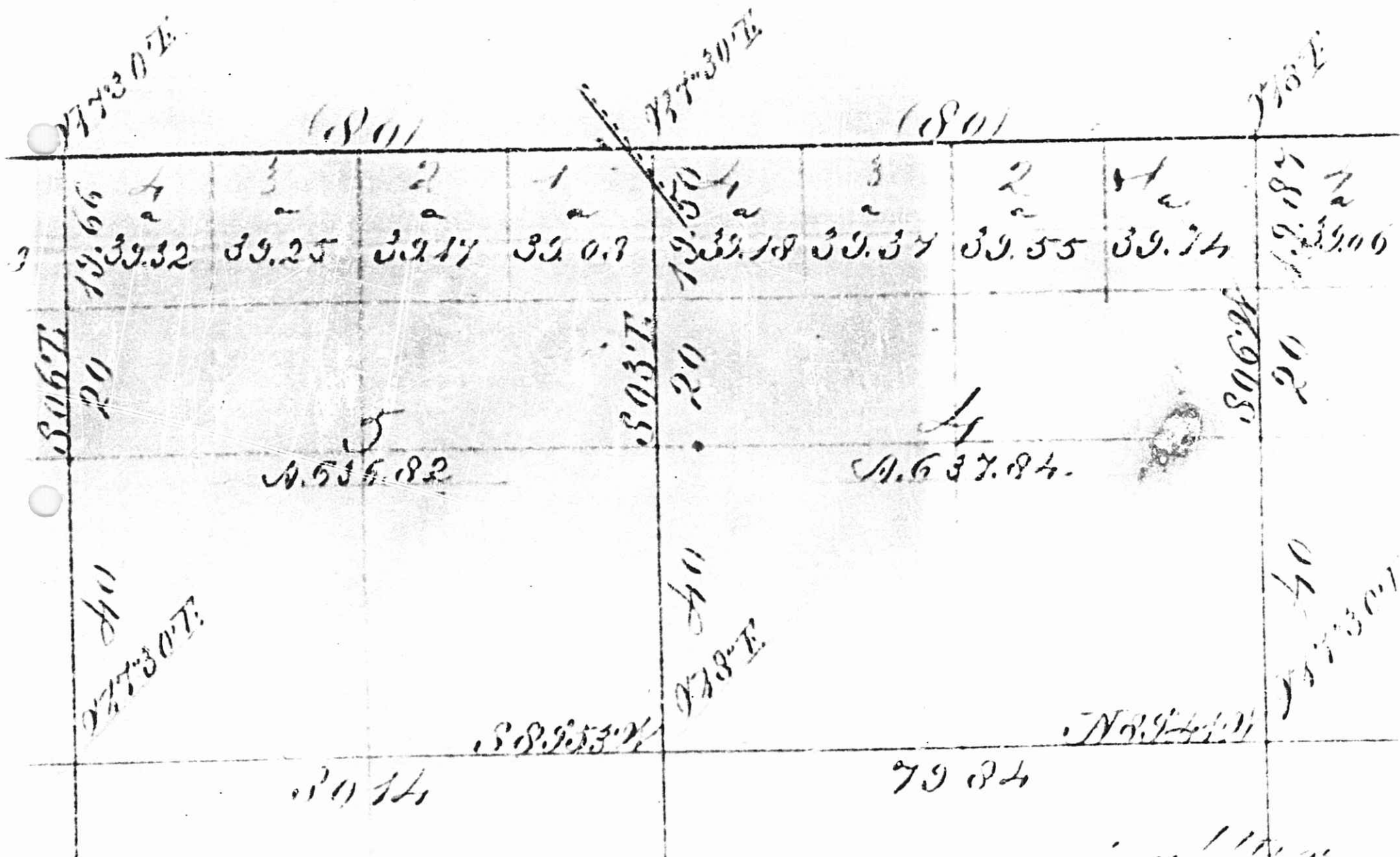


These are photos of the ditch and lands irrigated out of the ditch to the south. The picture was taken at the flume. It wasn't possible to photograph all the acres being irrigated, but this is a representation of the lands irrigated.

1/4 North Range N^W West Boise Merid



N^o 14 North Range



10257 Ship No. 14 No.

