

No. C 177373		Due no later than Feb 28, 2009		2. Registered Agent and Address (NO PO BOX)		
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE		1. Mailing Address: Correct in this box if needed. M2 TECHNICAL SERVICES INC JAMES W MEARS 4207 E ROWAN AVE SPOKANE WA 99217 USA		COLUMBIA STOCK TRANSFER CO 601 SELTICE WAY POST FALLS ID 83854		
				3. <u>New</u> Registered Agent Signature:*		
4. Corporations: Enter Names and Business Addresses of President, Secretary, Directors and(optional) Treasurer.						
Office Held	Name	Street or PO Address	City	State	Country	Postal Code
TREASURER	JAMES W MEARS	4715 PINE GLEN LN	MEAD	WA	USA	99021
DIRECTOR	JOHN T MEARS	17721 N KIMBERLY RD	COLBERT	WA	USA	99005
PRESIDENT	J KENNETH MEARS	3778 ELK VIEW CT	SOUTH JORDAN	UT	USA	84095
5. Organized Under the Laws of: WA C 177373		6. Annual Report must be signed.* Signature: James W. Mears Name (type or print): James W. Mears Date: 12/23/2008 Title: Vice President				
Processed 12/23/2008		* Electronically provided signatures are accepted as original signatures.				

FILED EFFECTIVE



APPLICATION FOR CERTIFICATE OF AUTHORITY (For Profit)

(Instructions on Back of Application)

08 FEB 28 AM 9:00
SECRETARY OF STATE
STATE OF IDAHO

The undersigned Corporation applies for a Certificate of Authority and states as follows:

1. The name of the corporation is:

M2 TECHNICAL SERVICES INC

2. The name which it shall use in Idaho is: M2 TECHNICAL SERVICES INC

3. It is incorporated under the laws of: WASHINGTON

4. Its date of incorporation is: 10/12/2007

5. The address of its principal office is:

4207 E. ROWAN AVE, SPOKANE, WASH. 99217

6. The address to which correspondence should be addressed, if different from item 5, is:

SAME

7. The street address of its registered office in Idaho is: 601 SELTICE WAY, POST FALLS, ID

and its registered agent in Idaho at that address is: COLUMBIA STOCK TRANSFER CO

8. The names and respective business addresses of its directors and officers are:

Name	Office Held	Business Address
<u>J. KENNETH MEARS</u>	<u>PRES.</u>	<u>4207 E. ROWAN, SPOKANE, WA</u>
<u>JAMES W. MEARS</u>	<u>VP</u>	<u>SAME</u>
<u>JOHN T. MEARS</u>	<u>VP</u>	<u>SAME</u>

Dated: 1/25/08

Signature: J Kent Mears

Typed Name: J. KENNETH MEARS

Capacity: PRESIDENT
[The signer must be a director or an officer of the corporation.]

Customer Acct # :

(if using pre-paid account)

Secretary of State use only

g:\corp\lame\corp
form\app\corporate\authority_profl.pmd
Revised 06/2005

IDAHO SECRETARY OF STATE
02/28/2008 05:00
CK: 3853 CT: 223071 BH: 1101776
1 @ 100.00 = 100.00 AUTH PRO # 2
1 @ 20.00 = 20.00 CORP SUR # 3

C177373

Courtney, Andrea

From: Shaff, Don
Sent: Wednesday, August 05, 2009 11:57 AM
To: rbrown@spfwater.com
Cc: Cooley-Denney, Suzy; Courtney, Andrea
Subject: Bergemen

Attachments: 73-215B PDR.RTF; 73-12082 PDR.RTF

Hi Roxanne,

I have reviewed your proposal of settlement and can agree in most respects. I have attached preliminary reports for you and your client to consider. As drafted, IDWR can accept these recommendations for SF5s on rights 73-215B and 73-12082.

Right 73-12082, as I discussed in our meeting the other day, comes with its inherent quantity limit. The balance of the prior decreed right is 0.80 cfs. The claimant may have an additional beneficial use right (post earlier decree) to account for the conveyance loss you calculated. A later priority water right as such would effectively be no more than a high water right. Obviously, a motion for late claim would be necessary to bring a right for additional flow into the mix. However, some of the diversion rate includes some conveyance loss for 29.3 acres or 0.0273 cfs per acre. Yes, the other right is just over 0.04 cfs per acre in the draft, but the larger right has a longer ditch through the gravelly loam soil for half its length. The draft for 73-12082 may completely represent the piece of property and no other right exists or needs a claim. The conveyance loss you calculated for 73-215B is acceptable. I applied one seepage loss factor to part of the ditch and calculated a slightly lower loss. On the other hand, I "measured" the ditch resulting in a different length and calculated yet another number. Other seepage documentation suggested a higher factor may apply for the beginning of the ditch resulting in yet a higher loss rate. In the end, I can accept your calculations. The soils documentation you supplied was appropriate, and I appreciate the effort you made to supply it and support your calculations. You will see the loss rate you calculated included in the recommendation for 73-215B.

Let me know what direction your client would like to take. If by chance your client finds the attached draft recommendations acceptable, I will get the paperwork started and inform the Court at the initial hearing the settlement has been reached and the SF5s are on the way.



73-215B PDR.RTF
(16 KB)



73-12082 PDR.RTF
(17 KB)

Thanks,

Don Shaff
(208)287-4921
don.shaff@idwr.idaho.gov

Happiness is a journey, not a destination.

08/05/2009

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-215B

NAME AND ADDRESS: VICTORIA BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

RICHARD BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

mining

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 2.800 CFS

PRIORITY DATE: 07/02/1902

POINT OF DIVERSION:

T14N R23E S27 NENE Within LEMHI County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/01 10/31	2.800 CFS

PLACE OF USE: IRRIGATION in LEMHI County

T14N R23E S22	SWNW	31.00	T14N R23E S22	NWSW	38.00
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69 ACRES TOTAL

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Decreed

08/05/2009

IDAHO DEPARTMENT OF WATER RESOURCES

~~PRELIMINARY~~ RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-12082

NAME AND ADDRESS: RICHARD BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

VICTORIA BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 0.800 CFS

PRIORITY DATE: 02/22/1888

POINT OF DIVERSION:

T14N R23E S26 NWNWNW Within LEMHI County

PURPOSE AND
PERIOD OF USE:

PURPOSE OF USE

PERIOD OF USE

QUANTITY

IRRIGATION

04/01 10/31

0.800 CFS

PLACE OF USE:

IRRIGATION in LEMHI County

T14N R23E S22

NESW

21.00

T14N R23E S22

NWSE

8.30

29.3 ACRES TOTAL

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Decreed

This claim is for a combination of decreed rights 73-213C and 73-213D.

Right includes accomplished change in place of use pursuant to Section 42-1425, Idaho Code.

Shaff, Don

From: Roxanne Brown [RBrown@spfwater.com]
Sent: Thursday, July 30, 2009 6:11 PM
To: Shaff, Don
Subject: RE: B73 Bergemen
Attachments: 20090730185908.pdf; A0013407.shx; A0013403.dbf; A0013403.prj; A0013403.sbn; A0013403.sbx; A0013403.shp; A0013403.shx; A0013407.dbf; A0013407.prj; A0013407.sbn; A0013407.sbx; A0013407.shp; 73_215B_pou.shx; 73_12082_pou.dbf; 73_12082_pou.prj; 73_12082_pou.sbn; 73_12082_pou.sbx; 73_12082_pou.shp; 73_12082_pou.shp.xml; 73_12082_pou.shx; 73_215B_pou.dbf; 73_215B_pou.prj; 73_215B_pou.sbn; 73_215B_pou.sbx; 73_215B_pou.shp; 73_215B_pou.shp.xml

Don,

See attached! A0013403 is the diversion for 73-12082. A0013407 is the diversion for 73-215B. Please let me know if you need anything else.

Roxanne

From: Shaff, Don [mailto:Don.Shaff@idwr.idaho.gov]
Sent: Thursday, July 30, 2009 11:28 AM
To: Roxanne Brown
Cc: Cooley-Denney, Suzy; Bromley, Chris
Subject: B73 Bergemen

Good morning Roxanne,

I have two pieces of information for you with the hope these will speed resolving the objections. The holding of 73-12082 is no longer an issue. I found Bergemen in 1999 and in 2007 appeared in the watermaster's record for delivery of the right. Considering no one else has claimed the right and no one other than Bergemen objected, IDWR is standing by its recommendation other than the POU we should settle. Secondly, amending of 73-215B is unnecessary to consider an amount less than or equal to 2.8 cfs claimed already by 73-215B and 73-215C. I await your revised Worstell calculation taking into account the soils where the ditch traverses. The distance you have for the ditch is reasonable and acceptable.

Thanks,

Don Shaff
(208)287-4921
don.shaff@idwr.idaho.gov
Happiness is a journey, not a destination.

8/7/2009

Shaff, Don

From: Roxanne Brown [RBrown@spfwater.com]
Sent: Friday, August 07, 2009 3:33 PM
To: Shaff, Don; Bromley, Chris; Saxton, Craig; andrea.courtney@idwr.idaho.com
Cc: Van Bussum, Monica
Subject: Subcase No.73-12082, 73-215B, 73-215C
Attachments: 20090807163041.pdf

All,

To recap: I have been working with my client (Richard Bergeman) to resolve his objections. After reaching an acceptable resolution of the objections with Don, Mr. Bergeman admitted he had actually sold a portion of the property to Gentor Mining.

I have spoken to Gentor and they have sold the property to M2 Technical Services, with an option to buy it back. I have attached the deed and legal description establishing M2's ownership. We will file a c-o document, if needed. The land list specifies a water right number (73-215C) and amount (72"); M2 and Bergeman need to work out the details and know this may involve a corrected deed.

Gentor is drafting a POA document to be signed by M2 giving them authority to settle, but I doubt that will be done prior to hearing.

Mr. Bergeman will attend the hearing.

Roxanne Brown

SPF Water Engineering LLC
300 E. Mallard Dr., Suite 350
Boise ID 83706
(208) 383-4140
rbrown@spfwater.com

8/7/2009

WARRANTY DEED

For Value Received,

Gentor, Idaho, Inc. GRANTOR,
does hereby GRANT, BARGAIN, SELL AND CONVEY unto
M2 Technical Services, Inc., a Washington Corporation
GRANTEE, whose address is 4715 East Pine Glen Lane, Mead, WA 99021,
the following described real property, to-wit:

See exhibit "A" attached hereto and made a part hereof

TO HAVE AND TO HOLD the premises with its appurtenances unto the said Grantee,
its heirs and assigns forever. Grantor does hereby covenant to and with the Grantee that it
is the owner in fee simple of said premises; that said premises are free from all
encumbrances except the current year's taxes and assessments, conditions, covenants,
restrictions, reservations, easements, rights and rights of way, apparent or of record, and
that Grantor will warrant and defend the same from all lawful claims whatsoever.

DATED this 30th day of June 2009.

Gentor Idaho Inc.

By: Lloyd J. Bardswich, President

State of Montana)
County of JEFFERSON)

On this 30th day of June, 2009 before me Ann M. Captain, a notary public
in and for the State of Montana appeared Lloyd J. Bardswich, known or identified to me
to be the person whose name is subscribed to the within instrument, and acknowledged to
me that he lawfully and voluntarily executed the same.

Ann M. Captain
Notary Public

Residing at: Whitehall

My commission expires: MARCH 19, 2012

State of Idaho) SS No. 280131
County of Lemhi)

This instrument was filed for record at the request

of Gentor Resources Inc

at 1222 o'clock p m 7-6 2009

and duly filed and indexed in the records of Lemhi

County Terri J. Morton

Ex-Officio Recorder

By Erin A. Caran Deputy

Fee 5.00

Return to Gentor Resources Inc



ANN M. CAPTAIN
NOTARY PUBLIC for the State of Montana
Residing at Whitehall, Montana
My Commission Expires
March 19, 2012

LEGAL DESCRIPTION
EXHIBIT 'A'

PARCEL "A"

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER, SOUTHWEST QUARTER SECTION 22, T. 14 N., R. 23 E., BOISE MERIDIAN, LEMHI COUNTY, IDAHO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 22, FROM WHICH THE SOUTH QUARTER CORNER OF SAID SECTION BEARS S. 00° 51' 49" W. A DISTANCE OF 5290.30 FT., THE BASIS OF BEARING OF THIS DESCRIPTION, RUN THENCE S. 00° 51' 49" W. ALONG THE NORTH-SOUTH CENTERLINE OF SAID SECTION A DISTANCE OF 3963.27 FT. TO THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER SOUTHWEST QUARTER OF SAID SECTION;

THENCE N. 89° 23' 00" W. ALONG THE SOUTHERLY BOUNDARY OF THE NORTH HALF SOUTHWEST QUARTER OF SAID SECTION A DISTANCE OF 1195.66 FT. TO THE POINT OF BEGINNING;

THENCE CONTINUING N. 89° 23' 00" W. ALONG SAID BOUNDARY A DISTANCE OF 1459.39 FT. TO THE SOUTHWEST CORNER OF SAID NORTHWEST QUARTER SOUTHWEST QUARTER OF SAID SECTION;

THENCE N. 00° 45' 24" E. ALONG THE WESTERLY BOUNDARY OF THE WEST HALF OF SAID SECTION A DISTANCE OF 2644.86 FT. TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER NORTHWEST QUARTER OF SAID SECTION;

THENCE S. 89° 23' 21" E. ALONG THE NORTHERLY BOUNDARY OF SAID SOUTHWEST QUARTER NORTHWEST QUARTER A DISTANCE OF 578.93 FT. TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF THE MAY-PATTERSON HIGHWAY;

THENCE THE FOLLOWING COURSES AND DISTANCES ALONG SAID RIGHT-OF-WAY;

S. 44° 08' 12" E., 273.33 FT.; 254.25 FT. ALONG A CURVE TO THE RIGHT HAVING A DELTA OF 10° 30' 00", A RADIUS OF 1387.40 FT. AND A CHORD BEARING OF S. 38° 53' 12" E. FOR A DISTANCE OF 253.90 FT.; S. 33° 38' 12" E., 162.50 FT.; 747.52 FT. ALONG A CURVE TO THE LEFT HAVING A DELTA OF 14° 43' 09", A RADIUS OF 2909.79 FT. AND A CHORD BEARING OF S. 40° 59' 46" E. FOR A DISTANCE OF 745.46 FT.;

THENCE S. 66° 58' 42" W. A DISTANCE OF 104.86 FT.;

THENCE N. 86° 58' 48" W. A DISTANCE OF 90.26 FT.;

THENCE S. 00° 20' 32" W. A DISTANCE OF 578.58 FT.;

THENCE S. 01° 35' 07" W. A DISTANCE OF 261.60 FT.;

THENCE S. 09° 26' 14" E. A DISTANCE OF 695.53 FT. TO THE POINT OF BEGINNING

TOGETHER WITH 72 INCHES OF WATER, UNDER WATER RIGHT NO. 73-215C
PIRORITY DATE JULY 2, 1902

08/03/2009

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-215B

NAME AND ADDRESS: VICTORIA BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

RICHARD BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 2.800 CFS

PRIORITY DATE: 07/02/1902

POINT OF DIVERSION:

T14N R23E S27 NENE Within LEMHI County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/01 10/31	2.800 CFS

PLACE OF USE: IRRIGATION in LEMHI County

T14N R23E S22	SWNW	31.00	T14N R23E S22	NWSW	38.00
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69 ACRES TOTAL

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Decreed

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Bergemen (Lower) BY: D. Shaff DATE: Aug 3, 2009

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	2180	3.0	12.00	0.99	0.00	1.39	0.7132	0.00	3.00
2	3258	3.0	5.00	0.62	1.39	1.39	0.4441	1.61	2.01
3				0.00		0.00	0.0000	0.00	0.00
4				0.00		0.00	0.0000	0.00	0.00
5				0.00		0.00	0.0000	0.00	0.00
6				0.00		0.00	0.0000	0.00	0.00
7				0.00		0.00	0.0000	0.00	0.00
TOTALS	5438			1.61	1.39			1.61	3.00

REACH = SECTION OF CHANNEL
 LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
 OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS
 AVE WIDTH = AVERAGE TOP WIDTH OF WATER SURFACE IN REACH
 SEEPAGE = SOIL SEEPAGE RATE OF REACH
 WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD
 DELIVERY = TOTAL DELIVERIES IN REACH
 DELIVERY LEFT = SUM(DELIVERIES OF CURRENT AND REMAINING REACHES)
 LOSS FACTOR = WORSTELL LOSS/DELIVERY LEFT
 DELIVERY LOSS = SUM(LOSS FACTORS OF CURRENT AND PREVIOUS REACHES) X DELIVERY;
 REPRESENTS THE LOSSES ASSIGNED TO THE DELIVERIES IN THE REACH;
 IF MULTIPLE RIGHTS WITHIN REACH, DELIVERY LOSSES SHOULD BE
 PRORATED BASED ON SIZE OF DELIVERY FOR EACH RIGHT WITHIN REACH
 FLOW = TOTAL FLOW AT BEGINNING OF EACH REACH

9. Subirrigation Efficiency.

Subirrigation is practiced on a sizeable area in the Egin Bench area of Eastern Idaho and in numerous high-mountain meadows. A special study will be required if the irrigation diversion requirement of the claim is questioned.

10. Sprinkler Irrigation Efficiency.

Reasonable irrigation efficiency for sprinkler irrigation can be taken from Figure A-7. The source of the information is explained in a footnote in Appendix A-7.

11. Trickle Irrigation Efficiency.

Trickle irrigation is assumed to use much less than 0.02 cfs/acre and is not included in this workbook. Procedures are included in the Guidelines.

C. Table 5, Conveyance Losses.

1. Fill in the heading.
2. Break the canal into reasonable reaches according to uniformity of cross section, uniformity of soil material and at delivery points where conveyance losses are needed. Record the reach lengths.
3. Record Inflow entering each reach.
4. Calculate wetted perimeter of reach. For a trapezoidal channel, $WP = b + 2d(z^2 + 1)^{.5}$ where b is bottom width, d is water depth, z:1 is side slope. See basic references for other shapes.
5. Record the dominant soil that describes the soil conditions used in identifying the reach.
6. Record texture of the horizon of the dominant soil that was penetrated by canal.
7. Estimate "C" value from Figure A-9 and enter.
8. Seepage is the product of reach length times wetted perimeter (WP) times "C" divided by 86,400 (seconds per day) and the result is in cubic feet per second (cfs).

9. If there is more than one claim using the same canal, there will probably be conveyance losses for more than one delivery point on the canal. Be sure to prorate the losses among all the users as appropriate.

Copy each Reach, its Inflow and its Seepage into the bottom section of Table 5. Identify the claim being analyzed and enter the claim's flow in each reach it uses. The Seepage for the claim in each reach is the ratio of claim flow to reach inflow times the reach seepage. Total the Seepage for a claimant for all its reaches and enter this value into the appropriate blank at the bottom of Table 1.

CANAL SEEPAGE LOSSES¹

<u>Kind of Material</u>	<u>Loss per Day, ft</u>
Cemented gravel and hardpan with sandy loam	0.34
Clay and clayey loam	0.41
Sandy loam	0.66
Volcanic ash	0.68
Volcanic ash with sand	0.98
Sand and volcanic ash or clay	1.20
Sandy soil with rock	1.68
Sandy and gravelly soil	2.20
Concrete Lining	0.33

Comparing the values above with permeability values in the soils reports shows a rough correlation. For estimating purposes, it would, as a last resort, be reasonable to take the permeability value from the soil report, convert it to feet per day and substitute for C in the equations. These would be worst-case values and it would be appropriate to lower them a little. Using this approach produces the following table.

PERMEABILITY OF SOIL

<u>Soil Texture Class</u>	<u>Loss per day, feet</u>
Hardpan	0.34
Clay, silty clay	0.12 - 0.4
Silty clay loam, clay loam	0.4 - 1.2
Sandy clay loam, silt loam, loam	0.4 - 1.2
Sandy loam, very fine sandy loam	1.2 - 4.0
Fine sandy loam, loamy sand	4.0 - 12
Sand and gravel	12 - 40

Shelby Brownfield, retired State Soil Scientist for the Soil Conservation Service in Idaho, provided the following table, based on his expertise and limiting to values of C in Abbett, above.

<u>Soil Texture Class</u>	<u>Loss per day, feet</u>
Hardpan	0.34
C, SiC	0.41
SiCL, CL	0.46
SCL, SiL	0.51
SL, vfSL	0.66
fSL, LS	1.20
S, gravel	2.20

¹Abbett, Robert W., Water Requirements, American Society of Civil Engineers, Practice Manual, Vol. 2, p. 17-31.

Physical Soil Properties

Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

Map symbol and soil name	Depth In	Sand Pct	Silt Pct	Clay Pct	Moist bulk density g/cc	Saturated hydraulic conductivity micro m/sec	Available water capacity In/In	Linear extensi- bility Pct	Organic matter Pct	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
50: Dawtonia, cold	0-2	---	---	15-25	1.40-1.55	4.00-14.11	0.06-0.12	0.0-2.9	1.0-2.0	.10	.37	5	7	38
	2-9	---	---	25-33	1.40-1.55	1.41-4.23	0.09-0.11	3.0-5.9	0.5-1.0	.10	.43			
	9-60	---	---	8-12	1.45-1.60	4.00-14.11	0.06-0.08	0.0-2.9	0.0-0.5	.05	.32			
Dawtonia	0-4	---	---	15-25	1.40-1.55	4.00-14.11	0.06-0.12	0.0-2.9	1.0-2.0	.10	.37	5	7	38
	4-12	---	---	25-33	1.40-1.55	1.41-4.23	0.09-0.11	3.0-5.9	0.5-1.0	.10	.43			
	12-24	---	---	22-27	1.40-1.55	4.00-14.11	0.09-0.11	0.0-2.9	0.5-1.0	.10	.43			
	24-60	---	---	8-12	1.45-1.60	4.00-14.11	0.06-0.08	0.0-2.9	0.0-0.5	.05	.32			

Physical Soil Properties

Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

Map symbol and soil name	Depth In	Sand Pct	Silt Pct	Clay Pct	Moist bulk density g/cc	Saturated hydraulic conductivity micro m/sec	Available water capacity In/In	Linear extensi- bility Pct	Organic matter Pct	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
152: Pahsimeroi	0-7	---	---	12-19	1.60-1.65	4.00-14.11	0.11-0.13	0.0-2.9	1.0-2.0	.15	.28	2	6	48
	7-17	---	---	14-20	1.60-1.65	14.11-42.34	0.04-0.08	0.0-2.9	0.5-1.0	.05	.24			
	17-32	---	---	4-10	1.55-1.60	141.	0.03-0.05	0.0-2.9	0.0-0.5	.02	.17			
	32-60	---	---	0-8	1.55-1.60	00-141.14	0.01-0.02	0.0-2.9	0.0-0.5	.02	.15			
						141. 00-141.14								

Physical Soil Properties

Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

Map symbol and soil name	Depth In	Sand Pct	Silt Pct	Clay Pct	Moist bulk density g/cc	Saturated hydraulic conductivity micro m/sec	Available water capacity In/In	Linear extensi- bility Pct	Organic matter Pct	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
154: Pahsimeroi	0-5	---	---	12-19	1.60-1.65	4.00-14.11	0.04-0.06	0.0-2.9	1.0-2.0	.05	.32	2	8	0
	5-12	---	---	14-20	1.60-1.65	14.11-42.34	0.04-0.08	0.0-2.9	0.5-1.0	.05	.24			
	12-25	---	---	4-10	1.55-1.60	141. 00-141.14	0.03-0.05	0.0-2.9	0.0-0.5	.02	.17			
	25-60	---	---	0-8	1.55-1.60	141. 00-141.14	0.01-0.02	0.0-2.9	0.0-0.5	.02	.15			



July 30, 2009

Don Shaff
Idaho Department of Water Resources
Via email

Re: Richard Bergeman Subcases

Dear Don,

This letter will summarize our meeting on July 28, 2009 and provide additional information for your consideration. We previously discussed Mr. Bergeman's objections and possible resolution prior to the upcoming initial hearing.

The objections concerned three elements of the water rights:

1. The locations of the individual points of diversion.
2. The location of the individual place of use for each water right.
3. The diversion rate, including conveyance loss for each ditch.

You also had concerns about the ownership of water right 73-12082 (a portion of water right 73-213 previously owned by Bradley Mine). After checking water master records for delivery of the water right, we understand that ownership is no longer an issue.

I agreed to provide you with GIS shapefiles outlining the Bergeman rights as we believe they should be described. That information is included with this email correspondence. That information will settle items 1 and 2.

To settle item 3, I am also providing a calculation of conveyance losses from Mr. Bergeman's ditches, based on the Worstell equation. Included with this email is a calculation sheet for each ditch (Upper and Lower). The length of each ditch reach was calculated using GIS technology and NAIP photography. The width was provided by Mr. Bergeman and is consistent with ditches of this type in the Pahsimeroi Valley.

Seepage rate was determined by first calculating the ft/day rate of "the most limiting layer to transmit water" (see NRCS information for each soil, under "Properties and qualities"). This rate ranges from approximately 1 to 4 feet per day. Assuming this range to be the least amount lost in the reach due to seepage, we then looked at the likely soil composition at the base of the ditch. The "Typical profile" for each soil indicates extremely cobbly and sandy conditions at likely ditch depths. For that reason, we chose a seepage factor of 5.0 from Hart's work "Estimating Seepage Losses from Canal Systems". The resultant conveyance losses are 0.66 cfs from the Upper ditch and 0.85 cfs from the Lower ditch.

Thank you for your time and consideration of this information. Please contact me if you have additional questions. We are hopeful a settlement can be reached shortly.

Sincerely,

Roxanne Brown
Sr. Water Rights Specialist

Cc: Richard Bergeman

SPF Job No. 631.0010

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Bergeman (Upper)

BY: Roxanne Brown

DATE: July 23, 2009

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)
1	2200	3.0	5.00	0.42
2	1275	3.0	5.00	0.24
3				0.00
4				0.00
5				0.00
6				0.00
7				0.00
8				0.00
9				0.00
TOTALS	3475			0.66

REACH = SECTION OF CHANNEL

LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS

AVE WIDTH = AVERAGE TOP WIDTH OF WATER SURFACE IN REACH

SEEPAGE = SOIL SEEPAGE RATE OF REACH

WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD

Notes:

- 1 Length of ditch determination based on GIS imagery.
- 2 Width of ditch based on claimant's statement
- 3 Seepage factor based on Hart, "Estimating Seepage Losses from Canal Systems" (Worstell) and soil data from NRCS online database.

NRCS Data

Reach No.	Soil No. and Description
1	No. 154 Pahsimeroi extremely gravelly loam
2	No. 152 Pahsimeroi gravelly loam

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: Bergeman (Lower)

BY: Roxanne Brown

DATE: July 23, 2009

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)
1	1470	3.0	5.00	0.28
2	3030	3.0	5.00	0.57
3				0.00
4				0.00
5				0.00
6				0.00
7				0.00
8				0.00
9				0.00
TOTALS	4500			0.85

REACH = SECTION OF CHANNEL

LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS

AVE WIDTH = AVERAGE TOP WIDTH OF WATER SURFACE IN REACH

SEEPAGE = SOIL SEEPAGE RATE OF REACH

WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD

Notes:

- 1 Length of ditch determination based on GIS imagery.
- 2 Width of ditch based on claimant's statement
- 3 Seepage factor based on Hart, "Estimating Seepage Losses from Canal Systems" (Worstell) and soil data from NRCS online database.

NRCS Data

Reach No.	Soil No. and Description
1	No. 154 Pahsimeroi extremely gravelly loam
2	No. 152 Pahsimeroi gravelly loam

Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

upper 90%

152—Pahsimeroi gravelly loam, 2 to 6 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,200 feet

Mean annual precipitation: 7 to 11 inches

Mean annual air temperature: 39 to 41 degrees F

Frost-free period: 60 to 90 days

Map Unit Composition

Pahsimeroi and similar soils: 90 percent

Description of Pahsimeroi

Setting

Landform: Fan remnants, outwash fans

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from quartzite

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 10 to 20 inches to strongly contrasting textural stratification

Drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.57 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Very low (about 1.4 inches)

Interpretive groups

Land capability (nonirrigated): 6s

Ecological site: LOAMY 7-10 ARTRW8/POSE (R012XY030ID)

Typical profile

0 to 7 inches: Gravelly loam

7 to 17 inches: Extremely gravelly coarse sandy loam

17 to 32 inches: Extremely cobbly loamy sand

32 to 60 inches: Extremely gravelly sand

Data Source Information

Soil Survey Area: Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

Survey Area Data: Version 9, Jan 29, 2008

Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

creek side

154—Pahsimeroi extremely gravelly loam, 2 to 10 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,200 feet
Mean annual precipitation: 7 to 11 inches
Mean annual air temperature: 39 to 41 degrees F
Frost-free period: 60 to 90 days

Map Unit Composition

Pahsimeroi and similar soils: 85 percent

Description of Pahsimeroi

Setting

Landform: Fan remnants, outwash fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from quartzite

Properties and qualities

Slope: 2 to 10 percent
Depth to restrictive feature: 10 to 20 inches to strongly contrasting textural stratification
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 0.7 inches)

Interpretive groups

Land capability (nonirrigated): 6s
Ecological site: GRAVELLY LOAM 8-12 ARTRW8/PSSPS (R012XY004ID)

Typical profile

0 to 5 inches: Extremely gravelly loam
5 to 12 inches: Very gravelly coarse sandy loam
12 to 25 inches: Extremely cobbly loamy coarse sand

Map Unit Description: Pahsimeroi extremely gravelly loam, 2 to 10 percent
slopes--Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties

25 to 60 inches: Extremely cobbly coarse sand

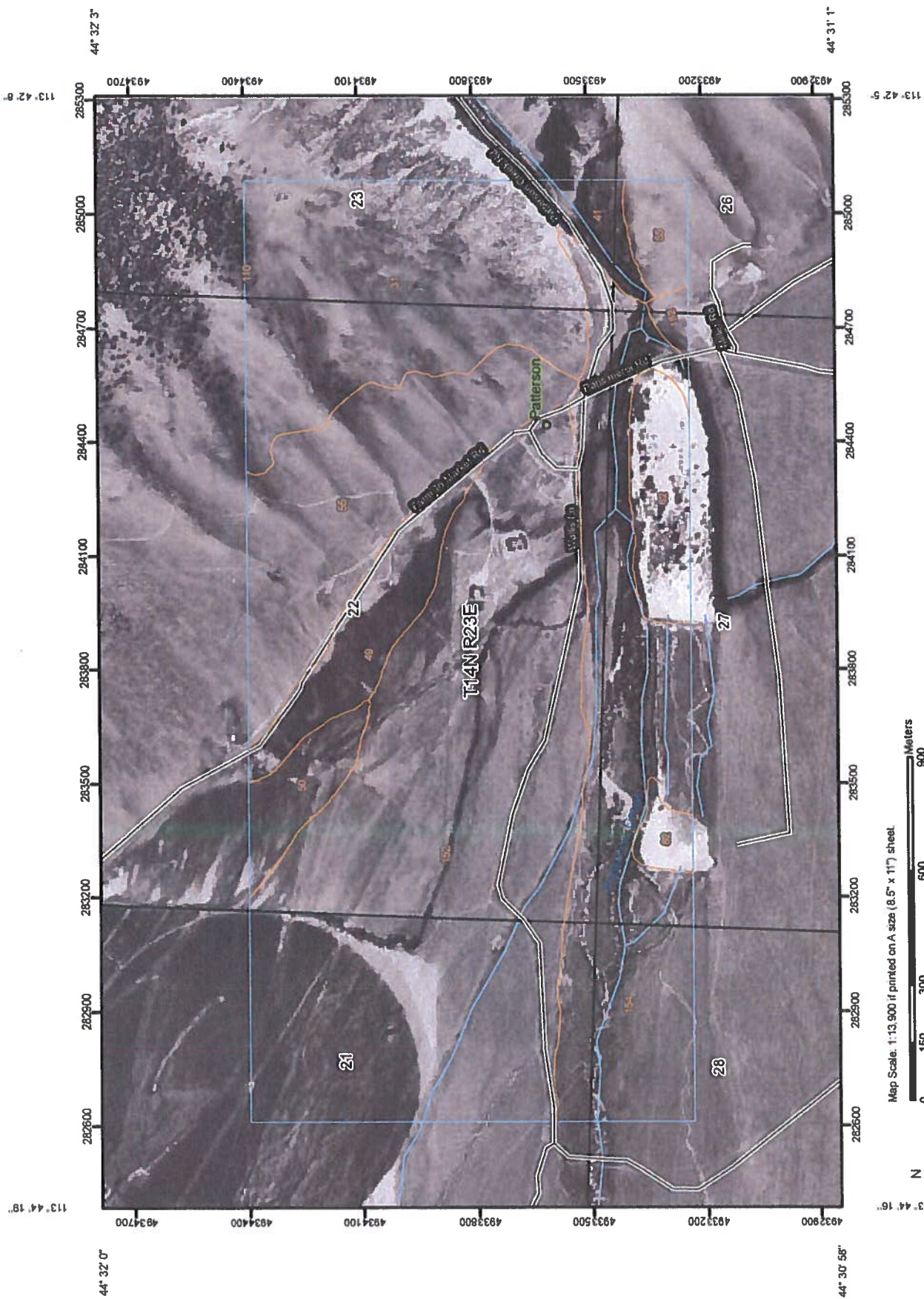
Data Source Information

Soil Survey Area: Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi
Counties

Survey Area Data: Version 9, Jan 29, 2008



Soil Map—Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties



MAP LEGEND

	Area of Interest (AOI)		Very Stony Spot
	Soils		Wet Spot
	Soil Map Units		Other
	Special Point Features		Special Line Features
	Blowout		Gully
	Borrow Pit		Short Steep Slope
	Clay Spot		Other
	Closed Depression		Political Features
	Gravel Pit		Cities
	Gravelly Spot		PLSS Township and Range
	Landfill		PLSS Section
	Lava Flow		Water Features
	Marsh or swamp		Oceans
	Mine or Quarry		Streams and Canals
	Miscellaneous Water		Transportation
	Perennial Water		Rails
	Rock Outcrop		Interstate Highways
	Saline Spot		US Routes
	Sandy Spot		Major Roads
	Severely Eroded Spot		Local Roads
	Sinkhole		
	Slide or Slip		
	Sodic Spot		
	Spoil Area		
	Stony Spot		

MAP INFORMATION

Map Scale: 1:13,900 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000. Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 12N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties
 Survey Area Data: Version 9, Jan 29, 2008
 Date(s) aerial images were photographed: 7/13/1999; 7/25/1999

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Custer-Lemhi Area, Idaho, Parts of Blaine, Custer, and Lemhi Counties (ID752)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
31	Calclids-Rubble land-Rock outcrop complex, 50 to 80 percent slopes	116.4	16.4%
41	Cryolls-Rubble land-Rock outcrop complex, 50 to 80 percent slopes	11.6	1.6%
48	Dawtonia-Dawtonia, cold complex, 5 to 25 percent slopes	30.8	4.3%
50	Dawtonia, cold-Dawtonia complex, 2 to 5 percent slopes	16.8	2.4%
55	Dawtonia-Dacont association, 20 to 50 percent slopes	96.1	13.5%
62	Dumps, mine	29.5	4.2%
110	Lag very cobbly loam, 20 to 40 percent slopes	0.0	0.0%
152	Pahsimeroi gravelly loam, 2 to 6 percent slopes	276.7	38.9%
154	Pahsimeroi extremely gravelly loam, 2 to 10 percent slopes	133.6	18.8%
Totals for Area of Interest		711.6	100.0%

Shaff, Don

From: Roxanne Brown [RBrown@spfwater.com]
Sent: Thursday, July 30, 2009 6:11 PM
To: Shaff, Don
Subject: RE: B73 Bergemen
Attachments: 20090730185908.pdf; A0013407.shx; A0013403.dbf; A0013403.prj; A0013403.sbn; A0013403.sbx; A0013403.shp; A0013403.shx; A0013407.dbf; A0013407.prj; A0013407.sbn; A0013407.sbx; A0013407.shp; 73_215B_pou.shx; 73_12082_pou.dbf; 73_12082_pou.prj; 73_12082_pou.sbn; 73_12082_pou.sbx; 73_12082_pou.shp; 73_12082_pou.shp.xml; 73_12082_pou.shx; 73_215B_pou.dbf; 73_215B_pou.prj; 73_215B_pou.sbn; 73_215B_pou.sbx; 73_215B_pou.shp; 73_215B_pou.shp.xml

Don,

See attached! A0013403 is the diversion for 73-12082. A0013407 is the diversion for 73-215B. Please let me know if you need anything else.

Roxanne

From: Shaff, Don [mailto:Don.Shaff@idwr.idaho.gov]
Sent: Thursday, July 30, 2009 11:28 AM
To: Roxanne Brown
Cc: Cooley-Denney, Suzy; Bromley, Chris
Subject: B73 Bergemen

Good morning Roxanne,

I have two pieces of information for you with the hope these will speed resolving the objections. The holding of 73-12082 is no longer an issue. I found Bergemen in 1999 and in 2007 appeared in the watermaster's record for delivery of the right. Considering no one else has claimed the right and no one other than Bergemen objected, IDWR is standing by its recommendation other than the POU we should settle. Secondly, amending of 73-215B is unnecessary to consider an amount less than or equal to 2.8 cfs claimed already by 73-215B and 73-215C. I await your revised Worstall calculation taking into account the soils where the ditch traverses. The distance you have for the ditch is reasonable and acceptable.

Thanks,

Don Shaff
(208)287-4921
don.shaff@idwr.idaho.gov

Happiness is a journey, not a destination.

08/05/2009

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-12082

NAME AND ADDRESS: RICHARD BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

VICTORIA BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

SOURCE: PATTERSON CREEK

TRIBUTARY: PAHSIMEROI RIVER

QUANTITY: 0.800 CFS

PRIORITY DATE: 02/22/1888

POINT OF DIVERSION:

T14N R23E S26 NWNWNW Within LEMHI County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	04/01 10/31	0.800 CFS

PLACE OF USE: IRRIGATION in LEMHI County

T14N R23E S22	NESW	21.00	T14N R23E S22	NWSE	8.30
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29.3 ACRES TOTAL

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Decreed

This claim is for a combination of decreed rights 73-213C and 73-213D.

Right includes accomplished change in place of use pursuant to Section 42-1425, Idaho Code.

01/23/2007

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-215B

NAME AND ADDRESS: VICTORIA BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

RICHARD BERGEMAN
2255 PAHSIMEROI RD
MAY ID 83253

SOURCE: PATTERSON CREEK
QUANTITY: 1.950 CFS = 97³/₄ inches
PRIORITY DATE: 07/02/1902

TRIBUTARY: PAHSIMEROI RIVER

POINT OF DIVERSION: T14N R23E S27 NENE Within LEMHI County
PURPOSE AND PERIOD OF USE:

PURPOSE OF USE	PERIOD OF USE	QUANTITY
IRRIGATION	04/01 10/31	1.950 CFS
PLACE OF USE: IRRIGATION in LEMHI County		
T14N R23E S22 SWNW 31.00	T14N R23E S22 NESW 21.00	
T14N R23E S22 NWSW 38.00	T14N R23E S22 NWSE 8.30	

98.3 ACRES TOTAL
The rights listed below are limited to the irrigation of a combined total of 97.3 acres in a single irrigation season. Combined Right Nos.: 73-215B, 73-12082.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Decreed

98³/₄
18¹/₂
100²/₂

claim
Acres
- 215B 21 Acres
- 215C 80 Acres

.85 42¹/₂ 98³/₄
80²/₂ 7.7
122⁷/₂

21
85
106

IDAHO DEPARTMENT OF WATER RESOURCES
CLAIMS / RIGHTS NOT RECOMMENDED

<u>W.R. NUMBER</u>	<u>NAME AND ADDRESS</u>	<u>CLAIM DISPOSITION</u>	<u>REASON</u>
73-24A	WHITWORTH RANCHES INC PO BOX 167 MAY ID 83253	Disallowed	Change in use; insufficient evidence of date of change.
73-45A	SHIRLEY R SHEILDS PO BOX 132 MAY ID 83253 JIMMY D SHEILDS PO BOX 132 MAY ID 83253	Disallowed	Forfeited/abandoned due to non-use from 1985 to 1990.
73-47A	RICHARD LARRY STONE PO BOX 1331 SUN VALLEY ID 83353	Disallowed	Recommended as Right No. 73-47.
73-47B	RICHARD LARRY STONE PO BOX 1331 SUN VALLEY ID 83353	Disallowed	Recommended as Right No. 73-47.
73-147D	LEON ZIEGLER HC 62 BOX 2140 MAY ID 83253 ILA ZIEGLER HC 62 BOX 2140 MAY ID 83253	Disallowed	Forfeited/abandoned due to non-use from 1969 to 1982.
73-174C	CHARLESVIEW LLC 1819 E SOUTHERN AVE #B-10 MESA AZ 85204	Disallowed	Recommended as Right No. 73-174D.
73-188B	CHARLESVIEW LLC 1819 E SOUTHERN AVE #B-10 MESA AZ 85204	Disallowed	Forfeited/abandoned due to non-use from April 1, 1984 to October 31, 1989.
73-215C	RICHARD BERGEMAN 2255 PAHSIMEROI RD MAY ID 83253 VICTORIA BERGEMAN 2255 PAHSIMEROI RD MAY ID 83253	Disallowed	Recommended as Right No. 73-215B.
73-260	CHARLESVIEW LLC 1819 E SOUTHERN AVE #B-10 MESA AZ 85204	Disallowed	Recommended as Right Nos. 73-4001, 73-4003, 73-10024.
73-2005	LOUJA WEST, LLC, AN IDAHO LIMITED LIABILITY CO 3 GROVE ISLE DR #1409 MIAMI FL 33133	Disallowed	Recommended as Right No. 73-166.
73-2018	DOUGLAS ROBINS HC 62 BOX 2215 MAY ID 83253 PAMELA A ROBINS HC 62 BOX 2215 MAY ID 83253	Disallowed	Recommended as Right No. 73-182.
73-2020	GEORGE MILLER 50 P MILLER RD MAY ID 83253 PHILIP R MILLER 50 P MILLER RD MAY ID 83253	Disallowed	Recommended as Right No. 73-171.
73-2026	SULPHUR CREEK LIVESTOCK PO BOX 151 MAY ID 83253	Disallowed	Recommended as Right No. 73-173.

<u>Basi</u>	<u>Sequen</u>	<u>Suffi</u>	<u>Basis</u>	<u>Status</u>	<u>Priority</u>	<u>D</u>	<u>Rate(cfs)</u>	<u>Volur</u>	<u>Source</u>	<u>Water Use</u>	<u>Owner(s)</u>	<u>Ver</u>	<u>Source</u>	<u>Ta</u>	<u>App</u>	<u>ID</u>
73	215		Decreed	Active	7/2/1902		3.2		PATTERSON	IRRIGATIC	WELLS, RUFU	wr	WaterRight			
73	215 A		Decreed	Active	7/2/1902		0.68		PATTERSON	IRRIGATIC	GERRISH, DAV	wr	Adjudication	Claim		
73	215 B		Decreed	Active	7/2/1902		1.2		PATTERSON	IRRIGATIC	BERGEMAN, R	wr	Adjudication	Claim		
73	215 C		Decreed	Active	7/2/1902		1.6		PATTERSON	IRRIGATIC	BERGEMAN, R	wr	Adjudication	Claim		
							3.48									
73	215 A		Decreed	Active	7/2/1902		0.31		PATTERSON	IRRIGATIC	GERRISH,	1	SRBA	PD 5-16-08		
73	215 B		Decreed	Active	7/2/1902		1.95		PATTERSON	IRRIGATIC	BERGEMA	1	wr	Adjudication	Recommendation	
73	215 C		Decreed	Disallowed	7/2/1902		1.6		PATTERSON	IRRIGATIC	BERGEMA	1	wr	Adjudication	Recommendation	
							2.26									

2.89 Balance of Initial right - 73-215A.

<u>Basi</u>	<u>Sequen</u>	<u>Suffi:</u>	<u>Basis</u>	<u>Status</u>	<u>Priority</u>	<u>D</u>	<u>Rate(cfs)</u>	<u>Volur</u>	<u>Source</u>	<u>Water Use</u>	<u>Owner(s)</u>	<u>Ver:</u>	<u>Source</u>	<u>Ta</u>	<u>App.ID</u>
73	215		Decreed	Active	7/2/1902		3.2		PATTERSON	IRRIGATIC	WELLS, RUFU:	wr	WaterRight		
73	215 A		Decreed	Active	7/2/1902		0.68		PATTERSON	IRRIGATIC	GERRISH, DAV	wr	Adjudication	Claim	
73	215 B		Decreed	Active	7/2/1902		1.2		PATTERSON	IRRIGATIC	BERGEMAN, R	wr	Adjudication	Claim	
73	215 C		Decreed	Active	7/2/1902		1.6		PATTERSON	IRRIGATIC	BERGEMAN, R	wr	Adjudication	Claim	
							3.48								
73	215 A		Decreed	Active	7/2/1902		0.31		PATTERSON	IRRIGATIC	GERRISH,	1	SRBA	PD 5-16-08	
73	215 B		Decreed	Active	7/2/1902		1.95		PATTERSON	IRRIGATIC	BERGEMAN,	1	wr	Adjudication	Recommendation
73	215 C		Decreed	Disallowed	7/2/1902		1.6		PATTERSON	IRRIGATIC	BERGEMAN,	1	wr	Adjudication	Recommendation
							2.26								

2.89 Balance of Initial right - 73-215A.