

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Amended

**APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1**

RECEIVED**OCT 08 2009**WATER RESOURCES
WESTERN REGIONName of Applicant GOLD FORK IRRIGATING CO LTD Phone (208) 325-8851Post Office address PO BOX 13, DONNELLY, ID 83615**A. PURPOSE OF TRANSFER**1. ☐ Change point of diversion ☐ Add diversion point(s) ☒ Change place of use☒ Change nature of use☒ Change period of use☐ Other _____

2. Describe the reason for the proposed changes Irrigation water will be used for evaporative losses from 7 ponds in the Gold Fork River Ranch Subdivision. An Application for Permit is being filed for aesthetic storage in conjunction with this application for transfer. The purpose of the change in place of use is to correct the irrigation company boundary.

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use
<u>65-10943</u>	<u>04/15/1907</u>	<u>21 af</u>	<u>Aesthetic storage</u>	<u>1/1 to 12/31</u>
<u>65-10943</u>	<u>04/15/1907</u>	<u>0.11 cfs</u>	<u>Diversion to storage</u>	<u>4/15 to 10/31</u>
<u>65-10943</u>	<u>04/15/1907</u>	<u>25.89 cfs</u>	<u>Irrigation</u>	<u>4/15 to 10/31</u>
<u>65-02256</u>	<u>08/04/1919</u>	<u>21 af</u>	<u>Aesthetic storage</u>	<u>1/1 to 12/31</u>
<u>65-02256</u>	<u>08/04/1919</u>	<u>0.13 cfs</u>	<u>Diversion to storage</u>	<u>4/15 to 10/31</u>
<u>65-02256</u>	<u>08/04/1919</u>	<u>32.77 cfs</u>	<u>Irrigation</u>	<u>4/15 to 10/31</u>

2. Total amount of water being transferred 58.9 cubic feet per second and/or 21 acre-feet per annum.3. Source of water GOLD FORK RIVER tributary to NORTH FORK PAYETTE RIVER

4. Point(s) of Diversion:

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local name for diversion
		SW	NE	32	16N	04E	Valley	Gold Fork Canal

5. Lands irrigated or place of use:

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16N	3E	25									J	J	J	J					
			2,933 acres within the boundary of the Goldfork Irrigating Co., Ltd., as defined by I.C. §42-1411(2)(h)																

REJECTED

J = aesthetic storage

Total Acres _____

PART 1

6. General Information:

- a. Description of diversion system existing headgate and ditches; excavated ponds
- _____
- _____
- b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?
_____ Yes X No. If yes, provide a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes.
- c. Describe the affect on the land now irrigated if the place of use is changed pursuant to this transfer:
Irrigation water appurtenant to 12 acres of the proposed 16-acre pond area will be used for aesthetic storage in the ponds to mitigate their evaporative losses. Irrigation water appurtenant to the other 4 acres of the proposed 16-acre pond area will be used elsewhere within the Company's service area.
- _____
- d. Remarks:
The proposed aesthetic storage use serves as mitigation water for seven aesthetic ponds proposed for Gold Fork River Ranch Subdivision. The ponds total 16 acres in surface area where pasture grass has historically been irrigated.. Based on the attached ET Idaho data for the Cascade area, annual consumptive use (evaporation) resulting from the ponds totals 21 ac-ft. Annual consumptive use for pasture grass equates to 1.81 ac-ft per acre. To mitigate the consumptive use resulting from the development of the ponds, 11.6 acres must be retired from irrigation. As proposed, the applicant's authorized irrigation will be reduced by 12 acres within their service area to sufficiently offset the consumptive use resulting from the ponds. Initial fill for the ponds will be covered by either: (1) a lease from the Water Supply Bank, (2) water from the Payette River Rental Pool, or (3) a temporary retirement of irrigated acres by Gold Fork Irrigation Co..
- _____
- _____
- _____

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____

And the said application is hereby _____, subject to the following conditions:

Witness my hand this _____ day of _____, 20 _____.

For the Director

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2

(Attach one copy for each right)

A. DESCRIPTION OF RIGHT AS RECORDED (see attached copy of SRBA partial decree)

1. Right as evidenced by:
- a. Decree No. 65-10943 Decreed to _____
in case of _____ vs. _____
dated _____ in _____ county of _____
 - b. License No. _____ issued by the Idaho Department of Water Resources.
 - c. Claim No. _____ on file with the Idaho Department of Water Resources.
 - d. Transfer No. _____ which produced this right.
2. Attach copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. Check appropriate box below:

☐ Tax Notice ☐ Warranty Deed ☒ Other current owner of record

3. Source of water _____ tributary to _____
4. Date of priority _____
5. Water is used for the following purposes:
- amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)
- amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)
- amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)
6. Total amount of water under right _____ cubic feet per second and/or _____ acre-feet per annum.
7. Point(s) of Diversion:

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local name for diversion

8. Lands irrigated or place of use:

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total Acres see above

9. Describe any other water rights used for the same purpose as described above 65-02256

PART 2

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of non-use?

_____ no

If yes, describe _____

B. DESCRIPTION OF PORTION OF RIGHT BEING TRANSFERRED

(If the entire right is to be changed by the applicant, omit part B and C.)

1. amount _____ for _____ purposes from _____ to _____
 (cfs/ac-ft)
- amount _____ for _____ purposes from _____ to _____
 (cfs/ac-ft)
- amount _____ for _____ purposes from _____ to _____
 (cfs/ac-ft)

2. Point(s) of Diversion:

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local name for diversion

3. Lands irrigated or place of use:

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total Acres _____

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT (omit if there is no change)

1. amount _____ for _____ purposes from _____ to _____
 (cfs/ac-ft)
- amount _____ for _____ purposes from _____ to _____
 (cfs/ac-ft)
- amount _____ for _____ purposes from _____ to _____
 (cfs/ac-ft)

2. Point(s) of Diversion: no change

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local name for diversion

3. Lands irrigated or place of use:

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total Acres _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2
(Attach one copy for each right)

D. DESCRIPTION OF RIGHT AS RECORDED (see attached copy of SRBA partial decree)

1. Right as evidenced by:
- e. Decree No. _____ Decreed to _____
in case of _____ vs. _____
dated _____ in _____ county of _____

f. License No. _____ issued by the Idaho Department of Water Resources.

g. Claim No. _____ on file with the Idaho Department of Water Resources.

h. Transfer No. _____ which produced this right.
2. Attach copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. Check appropriate box below:

☐ Tax Notice

☐ Warranty Deed

☒ Other current owner of record

3. Source of water _____ tributary to _____

4. Date of priority _____

5. Water is used for the following purposes:
- amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

6. Total amount of water under right _____ cubic feet per second and/or _____ acre-feet per annum.

7. Point(s) of Diversion:

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local name for diversion

8. Lands irrigated or place of use: within the

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total Acres see above

9. Describe any other water rights used for the same purpose as described above 65-10943

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of non-use?

no If yes, describe

(If the entire right is to be changed by the applicant, omit part B and C.)

1. amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

[illegible][illegible]

Total Acres _____

1. amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

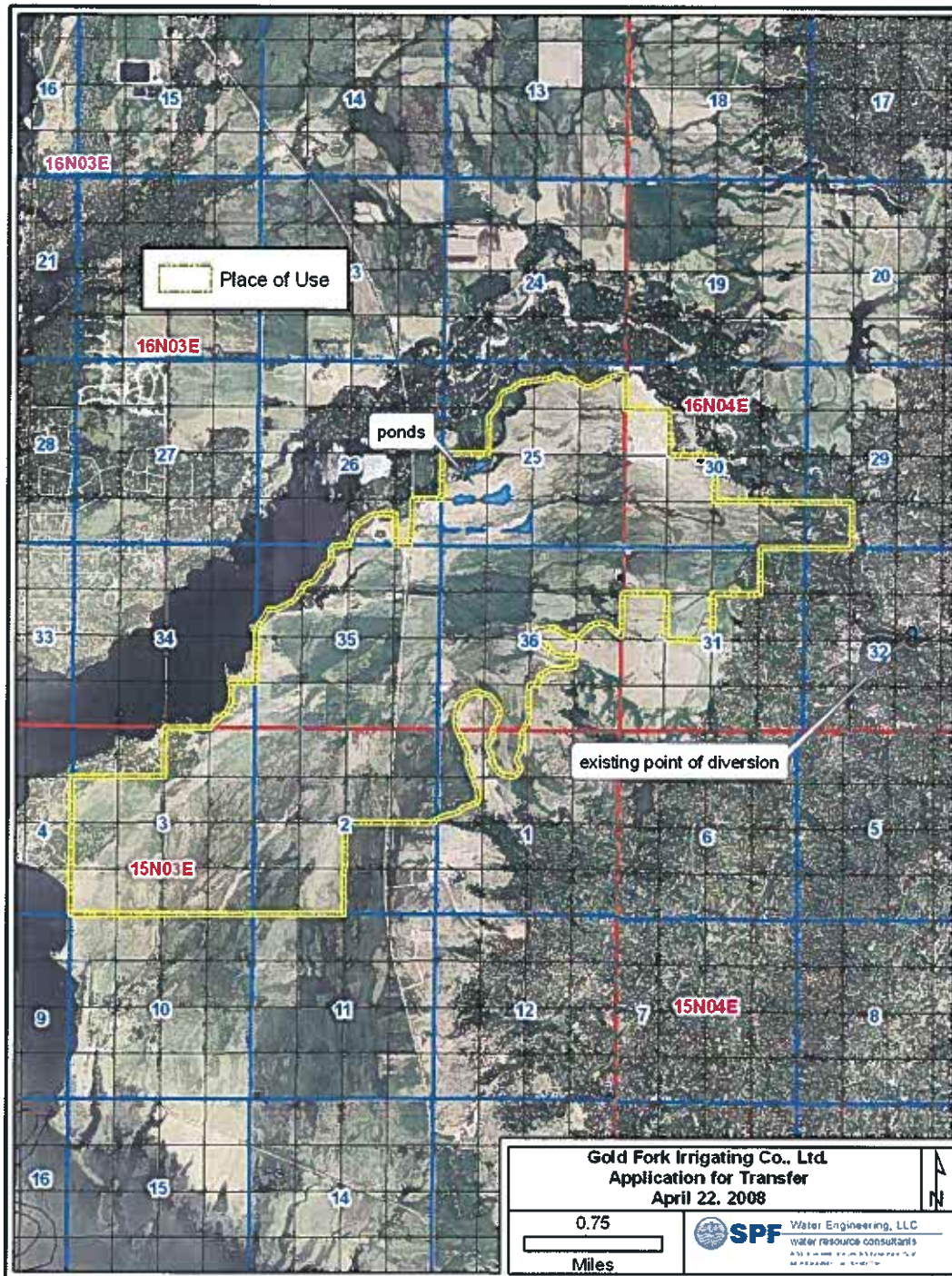
amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

amount _____ for _____ purposes from _____ to _____
(cfs/ac-ft)

[illegible][illegible]

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESAPPLICATION FOR TRANSFER OF WATER RIGHT
PART 3

- A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for the rights described in part 1. Clearly depict the land by section, township and range number.



PART 3**B. CHANGES IN NATURE OF USE**

1.	<u>New Nature of Use</u>	<u>Amount(cfs/af-ft)</u>	<u>Hours/days/year</u>	<u>Period of Use</u>
	<u>Aesthetic storage</u>	<u>21 af</u>	<u>24/365/1</u>	<u>01/01</u> to <u>12/31</u>
	<u>Diversion to Storage</u>	<u>0.24 cfs</u>	<u>24/184/1</u>	<u>01/01</u> to <u>12/31</u>

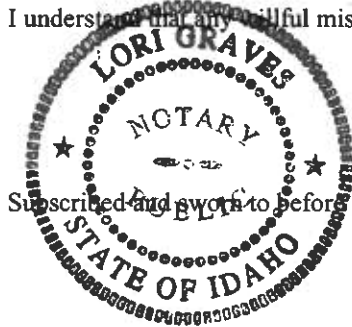
Quantity and quality of return flows and location of discharge: unchanged

2. Describe effects on other water uses resulting from the proposed change:

None anticipated – the evaporation from the ponds is being mitigated by retiring acres from irrigation. There is no change in annual rate or volume.

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge.

I understand that any willful misrepresentations made in this application may result in voiding its approval.



Subscribed and sworn to before me this

STEVEN R. ORMISTON
(Signature of Applicant)

PRESIDENT

day of

October

, 20 09

Loi Guzman

(Notary Public)

My commission expires

5/6/2015

FOR DEPARTMENT USE ONLY

Transfer contains _____ pages and _____ attachments

Received by John Date 10-8-09 Protest filed by _____

Prelim. Check by _____ Fee _____

Receipted by _____ Date _____

Published in _____ Copies of protest forwarded by _____

Pub. Dates _____ Hearing held by _____ Date _____

Watermaster recommendations requested on _____ Recommended for ☐ approval ☐ denial

_____ received _____ by _____

Copy of transfer sent to lien holder _____

ETIdaho --- Evapotranspiration and Consumptive Irrigation Water Requirements for IdahoPlease send suggestions for improving this site to robbison@kimberly.uidaho.edu Copyright 2007, University of Idaho.**Cascade 1 NW (NWS NOAA--101514)**

Statistics based on 30 years between 1973 to 2004

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Open water - shallow systems (ponds, streams)													
Precipitation Deficit (Click here for a graph)													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a
Mean	mm/day												mm
Monthly ^b	-1.77	-1.44	-0.57	0.51	1.53	2.45	3.54	3.02	1.74	0.28	-1.94	-2.38	155
15-Day Moving Average ^c	-1.82	-1.83	-0.55	0.48	1.56	2.46	3.62	2.90	1.59	0.36	-2.06	-2.18	
7-Day Moving Average ^d	-1.80	-1.65	-0.58	0.45	1.54	2.45	3.60	2.96	1.64	0.28	-2.05	-2.27	
3-Day Moving Average ^e	-1.76	-1.48	-0.58	0.51	1.52	2.46	3.57	3.02	1.70	0.28	-1.96	-2.35	
Standard Deviation	mm/day												mm
Monthly	1.59	1.33	1.64	0.97	1.53	1.00	0.82	1.00	1.13	1.52	1.58	2.58	164
15-Day Moving Average	1.82	1.90	1.45	1.36	1.63	1.33	0.79	1.12	1.54	1.42	2.08	1.93	
7-Day Moving Average	2.49	2.60	1.84	1.91	2.15	1.97	1.12	1.50	1.95	2.00	2.65	2.84	
3-Day Moving Average	3.10	3.28	2.53	2.60	2.90	2.67	1.64	1.85	2.38	2.63	3.49	3.89	
20% Exceedance	mm/day												mm
Monthly	-0.73	-0.37	0.25	1.40	2.51	3.33	4.05	3.66	2.81	1.02	-0.62	-1.32	283
15-Day Moving Average	0.17	0.19	1.21	2.39	3.79	4.19	4.56	4.07	3.16	1.98	0.19	0.01	
7-Day Moving Average	0.37	0.91	1.56	2.88	4.42	4.79	4.77	4.31	3.43	2.37	0.57	0.26	
3-Day Moving Average	0.50	1.09	1.96	3.32	4.73	5.09	5.07	4.56	3.72	2.51	0.87	0.30	
80% Exceedance	mm/day												mm
Monthly	-2.69	-2.44	-1.60	-0.45	0.63	1.50	3.04	2.23	0.78	-0.43	-3.72	-3.72	9
15-Day Moving Average	-4.46	-4.24	-2.50	-1.77	-0.99	-0.07	1.93	0.99	-1.33	-1.77	-4.55	-5.92	
7-Day Moving Average	-7.84	-7.64	-5.28	-3.97	-3.06	-3.06	0.16	-1.40	-4.24	-4.42	-8.09	-9.75	
3-Day Moving Average	-13.45	-14.12	-8.42	-7.34	-8.24	-6.22	-3.18	-3.53	-6.57	-8.71	-13.10	-13.88	
Ave Highest ET	mm/day												--
15-Day Moving Average ^f	0.08	0.16	0.68	1.62	2.74	3.56	4.25	3.69	2.60	1.38	0.13	0.03	
7-Day Moving Average ^g	0.27	0.66	1.27	2.48	3.63	4.38	4.59	4.11	3.09	2.01	0.34	0.16	
3-Day Moving Average ^h	0.42	0.94	1.68	3.04	4.34	4.78	4.87	4.40	3.53	2.25	0.66	0.25	
Ave Lowest ET	mm/day												--
15-Day Moving Average ⁱ	-3.11	-2.68	-1.60	-0.52	0.28	1.30	2.88	2.20	0.70	-0.77	-3.18	-3.73	
7-Day Moving Average ^j	-5.46	-4.86	-3.10	-2.02	-1.62	-0.79	1.80	1.03	-0.63	-2.47	-5.22	-6.25	
3-Day Moving Average ^k	-8.74	-8.14	-5.92	-4.74	-4.84	-3.17	-0.45	-0.75	-2.61	-5.36	-8.96	-10.30	
Special normal distribution parameters for monthly, seasonal, and annual intervals													
Skew	-0.20	-0.97	-0.30	0.09	-0.10	-0.83	-0.01	-0.18	-0.97	-0.31	-0.73	-0.65	-1.00
Kurtosis	0.81	3.56	0.87	3.06	0.59	3.57	0.50	0.56	3.05	1.19	2.88	2.07	3.37

^a Growing Season: This is usually the time from green up or planting in the spring to a killing frost or harvest in the fall. It is not applicable for entries without a growing season and will be blank.^b Mean of the average daily value for month^c Mean of the fourteen 15-day period averages contained in the month^d Mean of the twenty three 7-day period averages contained in the month^e Mean of the twenty seven 3-day period averages contained in the month^f Mean of the highest/lowest 15-day period average in month^g Mean of the highest/lowest 7-day period average in month^h Mean of the highest/lowest 3-day period average in month

Copyright 2007, University of Idaho.

This work and report were prepared by the University of Idaho Research and Extension Center at Kimberly, Idaho under contract with the Idaho Department of Water Resources. Work was supported by funding from IDWR and the Idaho Agricultural Experiment Station and Idaho Engineering Experiment Station. The authors gratefully acknowledge the long-term evapotranspiration data collection and long-standing advice provided by Dr. James L. Wright, USDA-ARS Kimberly (ret.), the more than two decades of high quality agricultural weather data collection by the U.S. Bureau of Reclamation AgriMet system, and the very long-standing, routine data collection by the hundreds of cooperative weather station volunteers across the state who, for more than one-hundred years, have faithfully observed daily air temperature and precipitation.

The citation for the evapotranspiration data used from this site should be: Allen, Richard G. and Clarence W. Robison, 2006 (Revised 2007). *Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho*. Research Technical Completion Report, Kimberly Research and Extension Center, University of Idaho, Moscow, ID.

Questions regarding the data should be addressed to Clarence W. Robison or Rickard G. Allen, University of Idaho, Kimberly Research and Extension Center, 3793 North 3600 East, Kimberly, ID 83341 Telephone (208)-423-6610

ETIdaho --- Evapotranspiration and Consumptive Irrigation Water Requirements for IdahoPlease send suggestions for improving this site to robinson@kimberly.uidaho.edu Copyright 2007, University of Idaho.**Cascade 1 NW (NWS NOAA--101514)**

Statistics based on 30 years between 1973 to 2004

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Grass Pasture - high management													
Precipitation Deficit (Click here for a graph)													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a
Mean	mm/day												mm
Monthly ^b	0.02	0.11	0.18	0.30	1.57	4.11	5.38	4.64	2.38	-0.05	-0.49	-0.11	553
15-Day Moving Average ^c	0.04	0.08	0.18	0.24	1.54	4.16	5.46	4.53	2.24	-0.07	-0.44	-0.10	
7-Day Moving Average ^d	0.03	0.10	0.16	0.25	1.54	4.14	5.45	4.59	2.29	-0.08	-0.47	-0.11	
3-Day Moving Average ^e	0.03	0.11	0.18	0.29	1.55	4.12	5.41	4.63	2.35	-0.06	-0.47	-0.12	
Standard Deviation	mm/day												mm
Monthly	0.14	0.07	0.24	0.37	1.34	1.07	0.90	1.01	1.30	0.78	0.53	0.52	76
15-Day Moving Average	0.09	0.12	0.25	0.53	1.28	1.35	0.83	1.17	1.68	0.95	0.68	0.49	
7-Day Moving Average	0.16	0.23	0.41	0.85	1.66	2.01	1.17	1.58	2.15	1.49	1.04	0.64	
3-Day Moving Average	0.33	0.34	0.66	1.28	2.33	2.74	1.74	1.98	2.56	2.07	1.51	0.81	
20% Exceedance	mm/day												mm
Monthly	0.06	0.17	0.27	0.46	2.09	5.06	5.96	5.28	3.71	0.45	-0.01	0.03	597
15-Day Moving Average	0.14	0.31	0.56	0.97	3.49	6.10	6.48	5.93	4.42	1.30	0.15	0.11	
7-Day Moving Average	0.22	0.47	0.85	1.33	4.52	6.90	6.99	6.42	4.98	2.53	0.41	0.15	
3-Day Moving Average	0.29	0.60	1.21	2.12	5.57	7.50	7.75	7.30	5.66	2.96	0.58	0.19	
80% Exceedance	mm/day												mm
Monthly	0.02	0.06	0.11	0.07	0.79	3.10	4.82	3.85	1.09	-0.56	-0.99	-0.02	487
15-Day Moving Average	-0.05	-0.06	-0.12	-0.50	-0.39	1.49	3.80	2.34	-0.43	-1.84	-2.03	-0.08	
7-Day Moving Average	-0.15	-0.34	-0.72	-1.29	-1.36	-0.83	2.20	0.06	-2.60	-3.42	-3.13	-0.26	
3-Day Moving Average	-0.55	-0.78	-1.90	-3.36	-6.18	-4.23	-0.93	-1.86	-5.29	-8.18	-5.89	-0.68	
Ave Highest ET	mm/day												--
15-Day Moving Average ^f	0.10	0.22	0.43	0.75	2.64	5.29	6.15	5.40	3.46	0.83	0.08	0.07	
7-Day Moving Average ^g	0.18	0.40	0.71	1.26	3.59	6.36	6.67	6.11	4.27	1.47	0.23	0.12	
3-Day Moving Average ^h	0.25	0.53	0.97	1.80	4.53	6.98	7.33	6.84	5.11	1.75	0.42	0.16	
Ave Lowest ET	mm/day												--
15-Day Moving Average ^f	-0.06	-0.01	-0.05	-0.18	0.50	2.90	4.68	3.69	1.08	-0.93	-1.02	-0.29	
7-Day Moving Average ^g	-0.20	-0.23	-0.44	-0.89	-0.62	1.19	3.60	2.44	-0.25	-2.18	-1.83	-0.58	
3-Day Moving Average ^h	-0.52	-0.65	-1.29	-2.58	-1.04	-1.54	1.29	0.65	-2.24	-4.64	-3.79	-1.16	
Special normal distribution parameters for monthly, seasonal, and annual intervals													
Skew	-1.56	-1.02	-1.00	-1.15	0.25	-0.50	0.01	-0.12	-0.45	0.11	-0.93	-1.02	0.10
Kurtosis	5.69	5.33	5.31	5.99	0.89	2.79	0.54	0.55	2.27	0.62	3.18	2.52	2.73

^a Growing Season: This is usually the time from green up or planting in the spring to a killing frost or harvest in the fall. It is not applicable for entries without a growing season and will be blank.^b Mean of the average daily value for month^c Mean of the fourteen 15-day period averages contained in the month^d Mean of the twenty three 7-day period averages contained in the month^e Mean of the twenty seven 3-day period averages contained in the month^f Mean of the highest/lowest 15-day period average in month^g Mean of the highest/lowest 7-day period average in month^h Mean of the highest/lowest 3-day period average in month

Copyright 2007, University of Idaho.

This work and report were prepared by the University of Idaho Research and Extension Center at Kimberly, Idaho under contract with the Idaho Department of Water Resources. Work was supported by funding from IDWR and the Idaho Agricultural Experiment Station and Idaho Engineering Experiment Station. The authors gratefully acknowledge the long-term evapotranspiration data collection and long-standing advice provided by Dr. James L. Wright, USDA-ARS Kimberly (ret.), the more than two decades of high quality agricultural weather data collection by the U.S. Bureau of Reclamation AgriMet system, and the very long-standing, routine data collection by the hundreds of cooperative weather station volunteers across the state who, for more than one hundred years, have faithfully observed daily air temperature and precipitation.

The citation for the evapotranspiration data used from this site should be: Allen, Richard G. and Clarence W. Robinson, 2006 (Revised 2007). *Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho*. Research Technical Completion Report, Kimberly Research and Extension Center, University of Idaho, Moscow, ID.

Questions regarding the data should be addressed to Clarence W. Robinson or Richard G. Allen, University of Idaho, Kimberly Research and Extension Center, 3793 North 3600 East, Kimberly, ID 83341 Telephone (208)-423-6610

	mm/day												growing season	annual
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Monthly ^a	0.02	0.11	0.18	0.3	1.57	4.11	5.38	4.64	2.38	-0.06	-0.49	-0.11	553	554 Total
days/mo	31	28	31	30	31	30	31	31	30	31	30	31		365
monthly ET (mm)	0.62	3.08	5.58	9	48.67	123.3	166.78	143.84	71.4	-1.55	-14.7	-3.41		552.61
monthly ET(ft)	0.0020	0.010	0.018	0.030	0.160	0.405	0.547	0.472	0.234	-0.005	-0.048	-0.011		1.81

Expected annual grass pasture evap: 1.81 ac-ft / acre
 Required acres for pond mitigation: 21.0 ac-ft annual pond evap / 1.81 = 11.6 acres to retire from irrigation

