

RECEIVED

APR 13 2009

DEPARTMENT OF
WATER RESOURCES

Water Supply Bank No. _____

Water Right No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION TO SELL OR LEASE A WATER RIGHT
TO THE WATER SUPPLY BANK

Name of Seller/Lessor Crystal Lakes Development Co. Phone 208-467-2390

Post office address 14600 Deer Flat Rd., Nampa, ID 83686

1. DESCRIPTION OF WATER RIGHT:

Right evidenced by: See attached proof reports for rights 63-3599D, 63-32076

a. Decree No. _____ Decreed to _____
(Name)
in case of _____ vs _____
dated _____ in _____ county of _____
(Name of court)

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

c. Permit No. _____ issued by the Idaho Department of Water
Resources.

2. DESCRIPTION OF PORTION OF RIGHT FOR SALE OR LEASE: (If the entire right is for sale or lease,
show "all" on line a. below and skip the remainder of part 2.) (After attached transfer application is
approved)

a. Amount of water under right: 63-3599D: 1.5 cfs/ 353.2 afa, 63-32076: 0.30 cfs/71.1 afa

b. Point of diversion: NE 1/4 of SE 1/4 of Section 15 Township 2N Range
3W, B.M. in _____ Canyon _____ County.

Additional points SWSE, S15, T2N R3W

c. Place of use:

TWP	RGE	SEC	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	
2N	3W										19			19	20	40	40	20	158

If the right is for irrigation, show the number of acres for the part of the right to be put into the bank.

(94.3 acres irrigation within a 158-acre permissible place of use) Total number of acres 158

3. ADDITIONAL INFORMATION ABOUT RIGHT, OR PORTION THEREOF, FOR SALE OR LEASE

- a. Explain how the seller/lessor acquired the right, or portion thereof, and attach a copy of the deed to the land to which it is appurtenant or other evidence of ownership of the right. If the right is not recorded in the name of the seller/lessor, attach a copy of a change of ownership form as required by Section 42-248 or 42-1409(6), Idaho Code, together with required documentation.

See Attachment 3 of the transfer application

- b. Describe the frequency of water use under the right, or portion thereof, during the past five (5) years of use. Attach watermaster records, pumping power bills, or other evidence to demonstrate that the right has not been lost through abandonment or forfeiture. (This information is not required if a partial decree has been issued on the right within the last 5 years).

63-3599D recently decreed, 63-32076 recommended for decree

- c. If the right is from a surface water source, describe the period of the year that water is typically available to satisfy the right.

- d. Describe any other water rights with the same purpose and place of use as the right, or portion thereof, offered for lease. Will the present place of use continue to receive water from any source? If so, describe.

- e. If the water right is a permit, describe the work accomplished toward developing the right.

- f. If the right to the use of the water or the use of the diversion works or irrigation system is represented by shares of stock in a company or corporation, or if such works or system is owned or managed by an irrigation district, a written consent of the sale or lease must be attached.

4. REMARKS:

Applicant wishes to retain 25 acres irrigation and submit the remaining irrigation to the bank.

5. SALE/LEASE AGREEMENT

1. The water right, or portion thereof, described above is offered to the Idaho Water Resource Board:

_____ For sale;

X For lease for a period from 4/1/2009 to 11/15/2009
(Day, month, year) (Day, month, year)

(The lease period may be shown as "indefinite", if the total duration of lease is unknown); or

_____ As a gift to the state of Idaho.

2. Show the minimum payment acceptable to the Seller/Lessor. Include the method of determining the minimum payment. The minimum payment may be shown as the "current rental rate".

Current rental rate _____

I hereby assert that the information contained in this application is true to the best of my knowledge, and that I have the authorities necessary to offer this right for sale or lease to the Idaho Water Resource Board.

The owner/lessor acknowledges the following:

1. Payment to the owner/lessor is contingent upon the sale or rental of the right from the bank.
2. While a right is in the bank, the owner of the right may not use the right even if the right is not rented.
3. A right accepted into the bank stays in the bank until the Board releases it or until the lease term expires.
4. While a water right is in the bank, forfeiture provisions are stayed.
5. Acceptance of a right into the bank does not, in itself, confirm the validity of the right or any elements of the water right.

3-31-09
Date

Daniel M. Huhls
Signature
PRESIDENT

FOR DEPARTMENT USE ONLY

Received by _____ Date _____ Preliminary check by _____

Watermaster recommendation requested on _____ Received _____

Recommended for _____ approval _____ denial by _____

Ø SR?

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT MINIMUM REQUIREMENTS CHECKLIST

An application for transfer must be prepared in accordance with the minimum requirements listed below to be acceptable for processing by the Department. The instructions, fee schedule and water right proof report or details report for Part 2A of the transfer application are available from any Department office or on the Department's website @ <http://www.idwr.idaho.gov/>.

Yes N/A Check whether each item below is *attached* (Yes) or *not applicable* (N/A) for the proposed transfer.

☒ Means this item is always required and should be included in application.

- ☒ ☒ Completed Application for Transfer of Water Right form, Part 1.
- ☒ ☒ Notarized signature of applicant(s) or applicant's authorized representative on first page of transfer application form. Include evidence of authority labeled Attachment #3 (see below) if signed by representative.
- ☒ ☒ Application for Transfer Part 2A. Attach a Proof Report (obtained from Department) or Details Report (obtained on website) describing each water right in the transfer as currently recorded.
- ☒ ☐ Complete and attach an Application for Transfer Part 2B/C for each water right for which only a portion is proposed to be changed through this transfer application.
- ☒ ☒ Application for Transfer Part 3A is always required (see Attachment #7a below); Parts 3B and 3C must be completed for transfer applications proposing to change the nature of use of the water right(s) or proposing changes to supplemental right(s).
- ☒ ☒ Correct fee submitted with transfer application form. (See last page of the application for transfer instructions.)

Attachments to Application Label each attachment with the corresponding number shown below as **Attachment #1-9**.

- ☐ ☒ #1 If the applicant is a business, partnership, organization, or association, and not currently registered in the State of Idaho as a business entity, attach documentation identifying officers authorized to sign or act on behalf of right holder. (See Part 1.)
- ☐ ☒ #2a Water Right ownership documentation if Department records do not show the transfer applicant as the current water right owner.
- ☐ ☒ # 2b If the ownership of the water right will change as a result of the proposed transfer, attach documentation showing land and/or water right ownership at the new place of use. Include documentation for all affected land and owner(s).
- ☐ ☒ #3 Documentation of authority to make the change if the applicant is not the water right owner.
- ☐ ☒ #4 Power of Attorney or documentation providing authority to sign or act on the applicant's behalf. (See Part 1.)
- ☐ ☒ #5 If the transfer application proposes to change the point of diversion for a water right affecting the Eastern Snake Plain Aquifer (ESPA), attach the results of an ESPA analysis and a detailed mitigation plan to offset any depletions to hydraulically connected reaches of the Snake River. ESPA transfer spreadsheet and model grid labeled cells are available on the Department's website at <http://www.idwr.idaho.gov/water/rights/>.
- ☐ ☒ #6 Notarized statement of agreement or a statement on official letterhead signed by an authorized representative from each lien holder or other entity with financial interest in water right(s) or land affected by the proposed transfer. (See Part 1.5.b.)
- ☒ ☒ #7a Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described on the application. Include legal description labels. If only a portion of the right is proposed to be changed, identify the current location of the part of the existing right(s) proposed to be changed. (See Part 3A.)
- ☒ ☐ #7b If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System (GIS) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use.
- ☐ ☒ #8a If the transfer application proposes to change the nature of use or period of use for one or more rights, provide documentation describing the extent of historic beneficial use for the water rights proposed to be transferred and describe how enlargement will be avoided. (See Part 3B.)
- ☐ ☒ #8b If the transfer application proposes to change the place of use of a supplemental irrigation right, provide documentation regarding the historic availability or reliability of the primary right(s) being supplemented, both before and after the proposed change. (See Part 3C.)
- ☐ ☒ #9 Other. Please describe: _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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

Name of Applicant Crystal Lakes Development Company Phone 208-467-2390

Mailing address 14600 Deer Flat Rd. Nampa, ID 83686 Email _____

- ☐ If applicant is not an individual and not registered to do business in the State of Idaho, attach documentation identifying officers authorized to sign or act on behalf of the applicant. Label it **Attachment #1**.
- ☐ Attach water right ownership documentation if Department records do not show the transfer applicant as the current water right owner. Label it **Attachment #2a**.
- ☐ If the ownership of the water right will change as a result of the proposed transfer, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). Label it **Attachment #2b**.
- ☒ Attach documentation of authority to make the proposed change if the applicant is not the water right owner. Label it **Attachment #3**.

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). 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 rejection of the application or cancellation of an approval.

Daniel M. Hukill

Signature of Applicant or Authorized Representative

DANIEL M. HUKILL - President

Print Name and Title if applicable

- ☐ If signed by authorized representative, attach Power of Attorney or documentation providing authority to sign on the applicant's behalf. Also attach documentation providing authority for others—consultants, attorneys or representatives—to act on the applicant's behalf. Label documents Attachment #4.

Representative's name and mailing address Scott King, 300 E. Mallard Dr., Boise, ID 83706

Phone 208-383-4140 Email sking@spfwater.com

Subscribed and sworn to before me this 28th day of January, 2009

Galeen Phelps
(Notary Public)

My commission expires June 14, 2011

PURPOSE FOR TRANSFER

- | | | |
|---|--|---|
| ☒ Change point of diversion | ☒ Add diversion point(s) | ☒ Change place of use |
| ☒ Change nature of use | ☐ Change period of use | ☐ Other _____ |

2. Describe your proposal in narrative form, including a detailed description of non-irrigation uses to justify amounts transferred, (i.e. number of stock, etc.) and provide additional explanation of any other items on the application. Attach additional pages if necessary and label it Part 1A.2.

PROPOSED AESTHETIC USE

Two ponds are proposed on 7.4 acres of irrigated land under water right 63-3599D. To mitigate the evaporative consumptive losses resulting from the ponds, 3.7 acres are proposed for change from irrigation to aesthetic use. The attached ET Idaho data indicates retirement of 3.7 irrigated acres adequately mitigates the consumptive water use resulting from the ponds. Averaging ET Idaho data from the Nampa and Deer Flat Dam AgriMet stations, annual deficit evaporation for open water-deep systems is 12.9 ac-ft for 7.4 acres of pond surface area. The consumptive use for 1.0 acre of alfalfa that has historically been grown on the subject property is 3.47 ac-ft (average from Nampa & Deer Flat Dam stations), resulting in 3.7 acres that need to be retired from irrigation to mitigate the annual evaporation resulting from the ponds. As proposed, 3.7 acres will be retired. Companion application for permit covers the storage component required for the ponds.

PROPOSED INDUSTRIAL USE

The industrial portion of right 63-3599D is proposed within 40 acres in the NESW & SESW, Section 15 only. Industrial use will cease in the SE, Section 15.

PROPOSED IRRIGATION USE

Currently, rights 63-3599D, 63-32076, 63-7825A and 63-7825C are appurtenant to a common permissible place of use and three-well diversion system per approved transfer No. 71840. Applicant proposes a separate 198-acre permissible place of use for rights 63-3599D and 63-32076 that will utilize two existing wells in the SE $\frac{1}{4}$, Section 15. Ground water from both wells will be diverted to the proposed ponds where it is re-diverted into a pressurized irrigation system for irrigation uses. See corresponding application for permit seeking aesthetic and fire protection storage. Irrigation storage is not sought by this application.

A separate 40-acre permissible place of use is proposed for rights 63-7825A and 63-7825C that will utilize all three wells as currently authorized.

Dan Hukill is the President of Crystal Lakes Development Company. He and Marcine Hukill continue to own a portion of the water rights proposed for transfer. An transfer authorization letter from Dan and Marcine Hukill is included as Attachment 3.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1 Continued

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

1. Right Number	Amount (cfs/ac-ft)	Nature of Use	Period of Use	Source & Tributary
<u>Crystal Lakes Development Company Rights</u>				
63-3599D (Portion A)	0.07 cfs/16.7 ac-ft	Aesthetic	1/1 to 12/31	Ground Water
	1.90 cfs/446.8 ac-ft	Irrigation	3/15 to 11/15	
63-32076	0.38 cfs/90 ac-ft	Irrigation	3/15 to 11/15	
<u>Dan and/or Marcine Hukill Rights</u>				
63-3599D (Portion B)	0.20 cfs/45.0 ac-ft	Industrial	1/1 to 12/31	
63-7825A	0.40 cfs/90 ac-ft	Irrigation	3/15 to 11/15	
63-7825C	0.40 cfs/90 ac-ft	Irrigation	3/15 to 11/15	

2. Total amount of water being transferred 3.35 cfs cubic feet per second and/or 775.9 acre-feet per annum.

3. Point(s) of Diversion:

- ☐ Attach Eastern Snake Plain Aquifer analysis if this transfer proposes to change a point of diversion within ESPA.
Label it **Attachment #5**.

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local Name for Diversion
63-3599D (Portion A), 63-32076, 63-7825A & 63-7825C								
		NE	SE	15	2N	3W	Canyon	
		SW	SE	15	2N	3W	Canyon	
63-3599D (Portion B), 63-7825A & 63-7825C								
		SE	SW	15	2N	3W	Canyon	

4. Place of use: (If irrigation, identify with number of acres irrigated per ¼ ¼ tract)

4. Place of Use: (irrigation, locality with number of acres irrigated per ¼ ¼ tract)																			
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	
63-3599D (Portion A): Aesthetic (J), and 99.5 acres irrigation within a 158-acres permissible place of use																			
2N	3W	15									19			19	20	40	40	20	158
																	J	J	
63-32076: 20 acres irrigation within a 158-acre permissible place of use																			
2N	3W	15									19			19	20	40	40	20	158
63-3599D (Portion B): Industrial (I)																			
2N	3W	15									I			I					
63-7825A: 20 acres irrigation within a 40-acre permissible place of use																			
2N	3W	15									20			20					40
63-7825C: 20 acres irrigation within a 40-acre permissible place of use																			
2N	3W	15									20			20					40

119.3 acres total irrigation within the common place of use described for rights 63-3599D (Part A) & 63-32076

40.0 acres total irrigation within the common place-of use described for rights 63-7825A & 63-7825C

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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

5. General Information:

- a. Describe the complete diversion system, including how you will accommodate a measuring device and lockable controlling works should they be required now or in the future:

Wells in SE ¼ : electric pumps to ponds, pumps from ponds to pressurized irrigation and dust control systems.

Well in SESW ¼ : electric pump to pressurized irrigation system.

Flow meters or power records.

- b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?

If yes, ☐ Attach a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes. Label it **Attachment #6**. List the name of the entity and type of lien:

No

It is the applicant's responsibility to provide notice to lien holder, trustee, mortgagor, or contract holder of the proposed changes that may impact or change the value of the water rights or affected real property. Any misrepresentation of legal encumbrance on this application may result in rejection of the application or cancellation of an approval.

- c. Describe the affect on the land now irrigated if the place of use is changed pursuant to this transfer:

7.4 acres of previously irrigated land authorized under water right 63-3499D will become ponds. The remaining irrigation water rights will continue to be used for irrigation within the described permissible place of use.

- d. Describe the use of any other water right(s) for the same purpose or land, or the same diversion system as right(s) proposed to be transferred at both the existing and proposed point(s) of diversion and place(s) use:

None

- e. To your knowledge, has/is any portion of the water right(s) proposed to be changed

Yes No

- ☐ ☒ undergone a period of five or more consecutive years of non-use,
☐ ☒ currently leased to the Water Supply Bank,
☐ ☒ currently used in a mitigation plan, or
☐ ☒ currently enrolled in a Federal set-aside program limiting the use of water under the rights?

If yes, describe:

Total Acres 3.7

Total Acres _____

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Adjudication Recommended Right Report

1/13/2009

WATER RIGHT NO. 63-3599D

Owner Type	Name and Address
Current Owner	DANIEL M HUKILL
Current Owner	MARCINE L HUKILL
	14600 DEER FLAT RD
	NAMPA, ID 83686
	(208) 467-6178
Original Owner	BRYCE MILLAR
	RT 7 BOX 7380
	NAMPA, ID 83651

Priority Date: 04/13/1967
Basis: License
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/15	11/15	1.97 CFS	463.5 AFA
INDUSTRIAL	01/01	12/31	0.2 CFS	45 AFA
Total Diversion			2.17 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SESW	Sec. 15	Township 02N	Range 03W	CANYON County
GROUND WATER	NESE	Sec. 15	Township 02N	Range 03W	CANYON County
GROUND WATER	SWSE	Sec. 15	Township 02N	Range 03W	CANYON County

IRRIGATION Use:
Acre Limit: 103

Place(s) of use:

Place of Use Legal Description: IRRIGATION CANYON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
02N	03W	15		NESW	38		SESW	40						
				NESE	15		NWSE	40		SWSE	30			

Place of Use Legal Description: INDUSTRIAL CANYON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
02N	03W	15		NESW										
				NESE			NWSE			SWSE			SESE	

Total Acres: 163

Conditions of Approval:

- Industrial use is for a gravel extraction facility.
- T08 Failure of the right holder to comply with the conditions of Transfer 71840 is cause for the Director to rescind approval of the transfer.
- 01Q After specific notification by the Department, the right holder shall record the quantity of water diverted or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.

4. T17 Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.
5. T07 The right holder shall accomplish the change authorized by Transfer 71840 within one year of the date of the approval.
6. X27 This right is limited to the irrigation of 103 acres within the place of use described above in a single irrigation season.
7. WB4 The total instantaneous diversion of water from all points of diversion under Rights 63-3599D, 63-7825A, 63-7825C and 63-32076 shall not exceed 3.35 cfs, nor a total combined annual volume of 778.5 af for the irrigation of 163 acres and industrial use.
8. I06 Use of water under this approval shall comply with applicable water quality standards of the Department of Environmental Quality.
9. C18 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.
10. S39 The use of water for irrigation under this right may begin as early as March 1 provided other elements of the right are not exceeded. The use of water before March 15 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for this right.

Dates:

Other Information:

State or Federal: S

Owner Name Connector: And

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4.5

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

Close

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Adjudication Recommended Right Report

1/13/2009

WATER RIGHT NO. 63-32076

Owner Type	Name and Address
Current Owner	DANIEL M HUKILL
Current Owner	MARCINE L HUKILL
	14600 DEER FLAT RD
	NAMPA, ID 83686
	(208) 467-6178
Original Owner	BRYCE MILLAR
	RT 7 BOX 7380
	NAMPA, ID 83651

Priority Date: 04/13/1967

Basis: License

Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/15	11/15	0.38 CFS	90 AFA
Total Diversion			0.38 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SESW	Sec. 15	Township 02N	Range 03W	CANYON County
GROUND WATER	NESE	Sec. 15	Township 02N	Range 03W	CANYON County
GROUND WATER	SWSE	Sec. 15	Township 02N	Range 03W	CANYON County

IRRIGATION Use:

Acre Limit: 20

Place(s) of use:

Place of Use Legal Description: IRRIGATION CANYON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
02N	03W	15		NESW 38		SESW 40								
				NESE 15		NWSE 40		SWSE 30						

Total Acres: 163

Conditions of Approval:

- X27 This right is limited to the irrigation of 20 acres within the place of use described above in a single irrigation season.
- 01Q After specific notification by the Department, the right holder shall record the quantity of water diverted or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
- T08 Failure of the right holder to comply with the conditions of Transfer 71840 is cause for the Director to rescind approval of the transfer.
- WB4 The total instantaneous diversion of water from all points of diversion under Rights 63-3599D, 63-7825A, 63-7825C and 63-32076 shall not exceed 3.35 cfs, nor a total combined annual volume of 778.5 af for the irrigation of 163 acres and industrial use.
- R65 This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.5 af per acre at the field headgate for irrigation of the lands above.
- T07 The right holder shall accomplish the change authorized by Transfer 71840 within one year of the date of the approval.
- T17 Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.

8. C18 This partial decree is subject to such general provisions as 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.
9. P21 This right is a split from former right 63-3599C.
10. S39 The use of water for irrigation under this right may begin as early as March 1, provided other elements of the right are not exceeded. The use of water before March 15 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for this right.

Dates:

Other Information:

State or Federal: S

Owner Name Connector: And

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4.5

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

Close

PART 2A

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Adjudication Recommended Right Report

1/13/2009

WATER RIGHT NO. 63-7825A

Owner Type	Name and Address
Current Owner	DANIEL M HUKILL
Current Owner	MARCINE L HUKILL
	14600 DEER FLAT RD
	NAMPA, ID 83686
	(208) 467-6178
Original Owner	ROBERT W RUSSELL
	RT 4
	NAMPA, ID 83651

Priority Date: 07/09/1973
Basis: License
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/15	11/15	0.4 CFS	90 AFA
Total Diversion			0.4 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SESW	Sec. 15	Township 02N	Range 03W	CANYON County
GROUND WATER	NESE	Sec. 15	Township 02N	Range 03W	CANYON County
GROUND WATER	SWSE	Sec. 15	Township 02N	Range 03W	CANYON County

IRRIGATION Use:
Acre Limit: 20

Place(s) of use:

Place of Use Legal Description: IRRIGATION CANYON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
02N	03W	15		NESW	38		SESW	40						
				NESE	15		NWSE	40		SWSE	30			

Total Acres: 163

Conditions of Approval:

1. T17 Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.
2. 01Q After specific notification by the Department, the right holder shall record the quantity of water diverted or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
3. T07 The right holder shall accomplish the change authorized by Transfer 71840 within one year of the date of the approval.
4. T08 Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
5. X27 This right is limited to the irrigation of 20 acres within the place of use described above in a single irrigation season.
6. WB4 The total instantaneous diversion of water from all points of diversion under Rights 63-3599D, 63-7825A, 63-7825C and 63-32076 shall not exceed 3.35 cfs, nor a total combined annual volume of 778.5 af for the irrigation of 163 acres and industrial use.
7. C18 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.

8.539 The use of water for irrigation under this right may begin as early as March 1, provided other elements of the right are satisfied. The use of water before March 15 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for this right.

Dates:

Other Information:

State or Federal: S

Owner Name Connector: And

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4.5

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

Close

part 2A

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Adjudication Recommended Right Report

1/13/2009

WATER RIGHT NO. 63-7825C

Owner Type	Name and Address
Current Owner	DANIEL M HUKILL
Current Owner	MARCINE L HUKILL
	14600 DEER FLAT RD
	NAMPA, ID 83686
	(208) 467-6178
Original Owner	ROBERT W RUSSELL
	RT 4
	NAMPA, ID 83651

Priority Date: 07/09/1973
Basis: License
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
IRRIGATION	03/15	11/15	0.4 CFS	90 AFA
Total Diversion			0.4 CFS	

Location of Point(s) of Diversion:

GROUND WATER|SESW|Sec. 15|Township 02N|Range 03W|CANYON County
GROUND WATER|NESE|Sec. 15|Township 02N|Range 03W|CANYON County
GROUND WATER|SWSE|Sec. 15|Township 02N|Range 03W|CANYON County

IRRIGATION Use:
Acre Limit: 20

Place(s) of use:

Place of Use Legal Description: IRRIGATION CANYON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
02N	03W	15		NESW	38		SESW	40						
				NESE	15		NWSE	40		SWSE	30			

Total Acres: 163

Conditions of Approval:

- T07 The right holder shall accomplish the change authorized by Transfer 71840 within one year of the date of the approval.
- T08 Failure of the right holder to comply with the conditions of Transfer 71840 is cause for the Director to rescind approval of the transfer.
- T17 Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.
- WB4 The total instantaneous diversion of water from all points of diversion under Rights 63-3599D, 63-7825A, 63-7825C and 63-32076 shall not exceed 3.35 cfs, nor a total combined annual volume of 778.5 af for the irrigation of 163 acres and industrial use.
- 01Q After specific notification by the Department, the right holder shall record the quantity of water diverted or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
- X27 This right is limited to the irrigation of 20 acres within the place of use described above in a single irrigation season.
- C18 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.

8.S39 The use of water for irrigation under this right may begin as early as March 1, provided other elements of the right are not needed. The use of water before March 15 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for this right

Dates:

Other Information:

State or Federal: S

Owner Name Connector: And

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 4.5

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

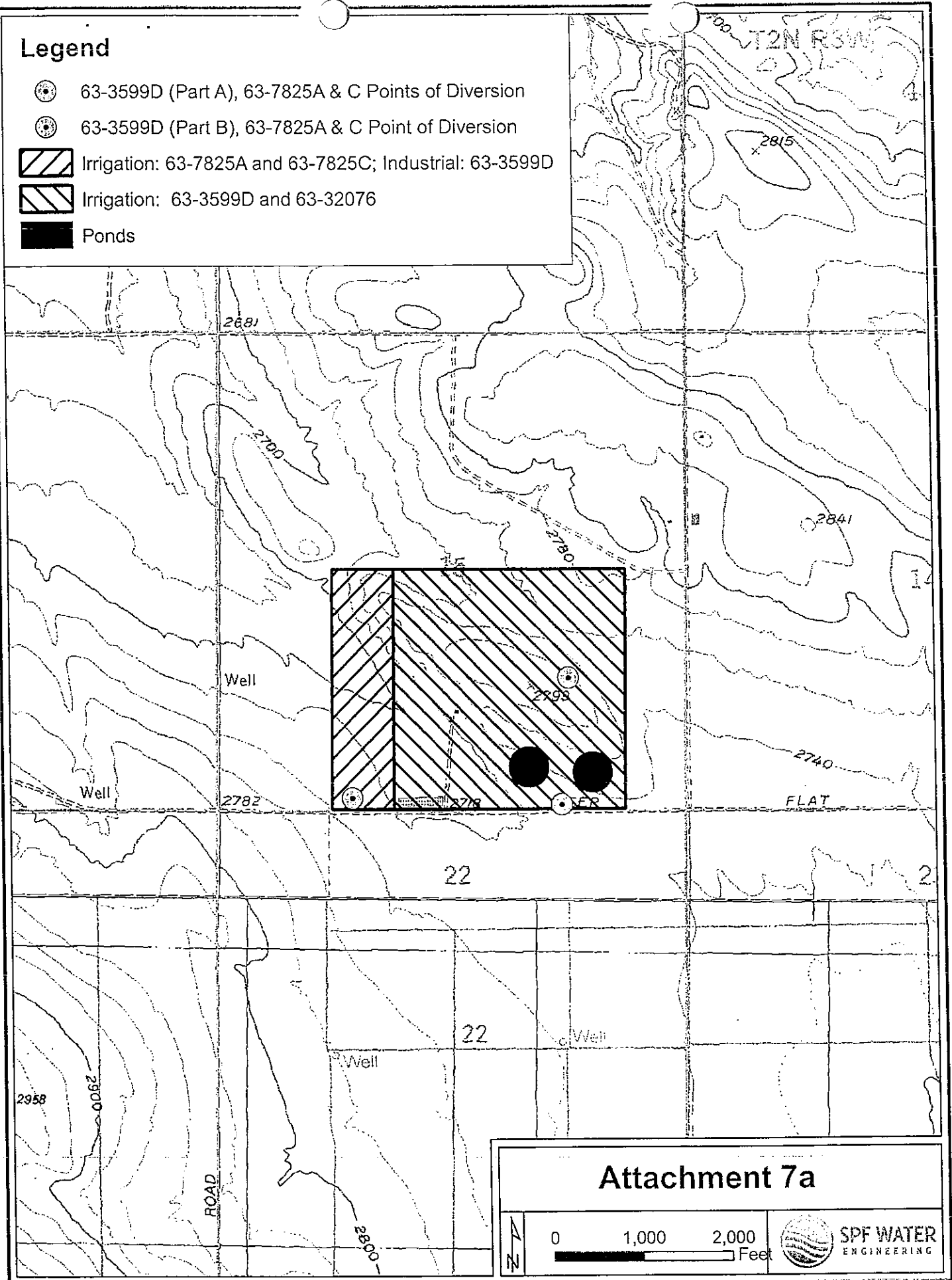
Close

Fee Amount	Date	Received by	Receipt #
------------	------	-------------	-----------

ATTACHMENT 7a & 7b
PROPOSED SYSTEM DIAGRAMS

Legend

-  63-3599D (Part A), 63-7825A & C Points of Diversion
-  63-3599D (Part B), 63-7825A & C Point of Diversion
-  Irrigation: 63-7825A and 63-7825C; Industrial: 63-3599D
-  Irrigation: 63-3599D and 63-32076
-  Ponds



Attachment 7a



0 1,000 2,000 Feet



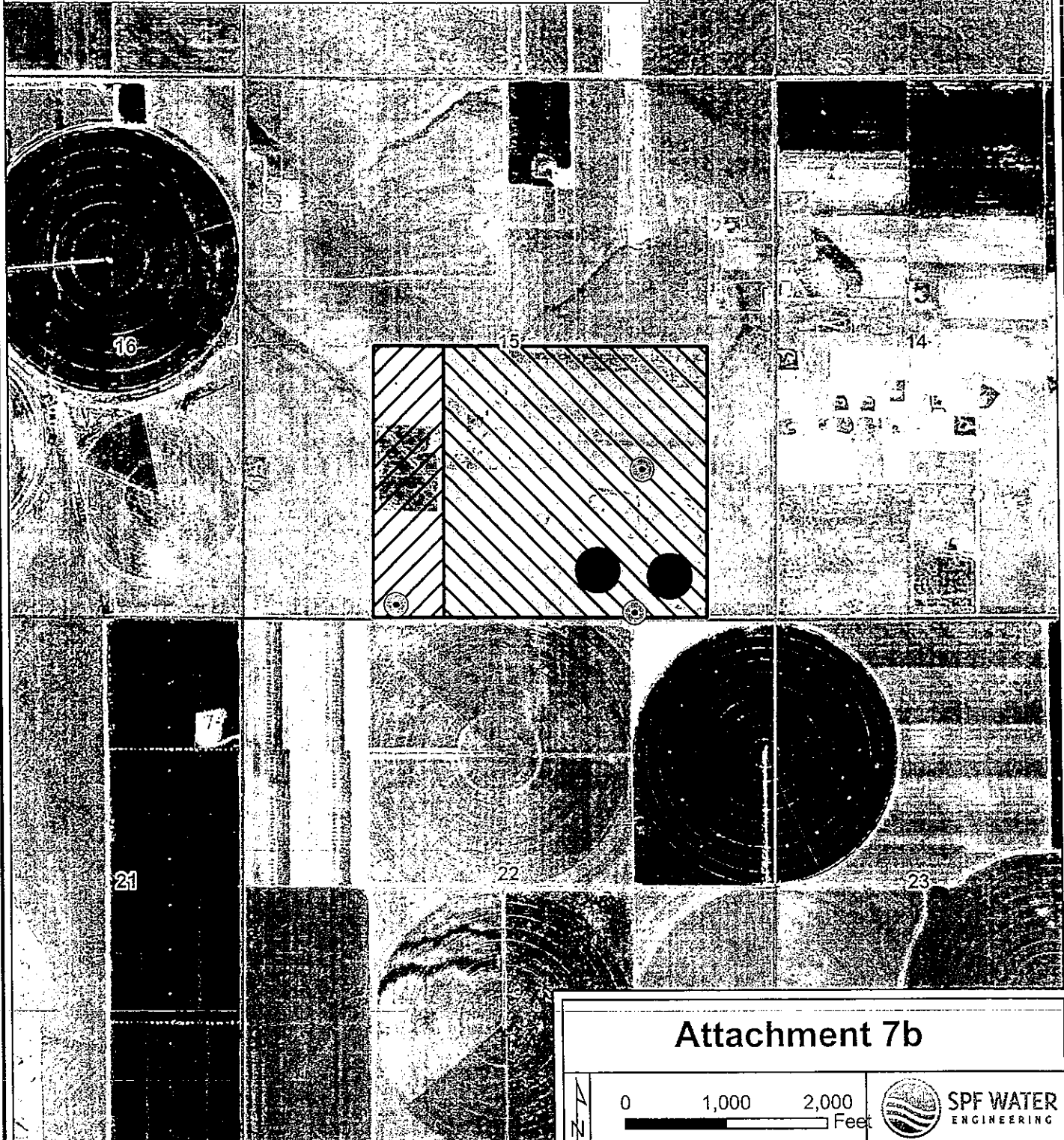
SPF WATER
ENGINEERING

Legend

-  63-3599D (Part A), 63-7825A & C Points of Diversion
-  63-3599D (Part B), 63-7825A & C Point of Diversion
-  Irrigation: 63-7825A and 63-7825C; Industrial: 63-3599D
-  Irrigation: 63-3599D and 63-32076
-  Ponds

2006/Aerial Photo

T2N1R3W



Attachment 7b



0 1,000 2,000 Feet



SPF WATER
ENGINEERING

ATTACHMENT 8a

ET IDAHO DATA

Deer Flat Dam (NWS NOAA--102444)

Statistics based on 30 years between 1971 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 - deep systems (lakes, reservoirs)												
Precipitation Deficit (Click here for a graph)												
Mean	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly ^a	-0.27	0.41	0.64	1.21	1.69	2.21	2.71	2.66	2.14	1.89	0.4	-0.14
days/mo	31	28	31	30	31	30	31	31	30	31	30	31
mm/month	-8.37	11.48	19.84	36.3	52.39	66.3	84.01	82.46	64.2	58.59	12	-4.34
mm/mo	11.48	19.84	36.3	52.39	66.3	84.01	82.46	64.2	58.59	12	487.57	1.60
ft/mo	0.038	0.065	0.119	0.172	0.218	0.276	0.271	0.211	0.192	0.039		
Growing Season ^a												
Annual												

Nampa (AgriMet--NMPI)

Statistics based on 9 years between 1997 to 2005

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 - deep systems (lakes, reservoirs)												
Precipitation Deficit (Click here for a graph)												
Mean	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly ^a	0.08	0.65	1.3	1.3	1.22	2.28	3.1	3.21	2.35	1.89	0.89	0.41
days/mo	31	28	31	30	31	30	31	31	30	31	30	31
mm/month	2.48	18.2	40.3	39	37.82	68.4	96.1	99.51	70.5	58.59	26.7	12.71
mm/mo	2.48	18.2	40.3	39	37.82	68.4	96.1	99.51	70.5	58.59	26.7	12.71
ft/mo	0.008	0.060	0.132	0.128	0.124	0.224	0.315	0.326	0.231	0.192	0.088	0.042
Growing Season ^a												
Annual												

TOTAL

Average: 523 mm/yr

1.72 ft/yr

MAKE-UP TOTAL

Average: 528.94 mm/yr

1.74 ft/yr

ET Idaho --- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

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Nampa (AgriMet ---NMPI)

Statistics based on 9 years between 1997 to 2005

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 - deep systems (lakes, reservoirs)														
Precipitation Deficit (Click here for a graph)														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Annual
Mean	mm/day												mm	
Monthly ^b	0.08	0.65	1.30	1.30	1.22	2.28	3.10	3.21	2.35	1.89	0.89	0.41	571	571
15-Day Moving Average ^c	0.11	0.60	1.38	1.32	1.10	2.40	3.08	3.27	2.31	1.83	0.92	0.56		
7-Day Moving Average ^d	0.11	0.65	1.29	1.30	1.14	2.32	3.09	3.22	2.30	1.84	0.89	0.47		
3-Day Moving Average ^e	0.08	0.67	1.29	1.30	1.19	2.29	3.10	3.21	2.34	1.88	0.87	0.44		
Standard Deviation	mm/day												mm	
Monthly	0.62	0.57	0.93	0.58	2.55	1.13	0.54	1.48	0.77	1.39	0.65	0.72	156	156
15-Day Moving Average	0.54	0.71	0.84	0.71	2.25	1.16	0.58	1.11	1.03	1.11	0.73	0.57		
7-Day Moving Average	0.79	0.91	1.13	1.15	2.61	1.82	0.91	1.28	1.37	1.45	0.99	0.86		
3-Day Moving Average	1.22	1.27	1.54	1.74	3.00	2.62	1.36	1.57	1.74	1.84	1.34	1.25		
20% Exceedance	mm/day												mm	
Monthly	0.47	0.71	1.76	1.84	2.47	3.18	3.38	3.79	2.85	2.64	1.20	0.70	696	696
15-Day Moving Average	0.83	1.14	2.32	2.08	3.81	3.61	3.77	4.12	3.41	3.21	1.65	0.99		
7-Day Moving Average	1.22	2.09	2.93	3.10	4.54	4.06	4.76	5.07	4.12	4.17	2.47	1.43		
3-Day Moving Average	1.93	2.66	4.10	4.50	5.25	5.23	5.91	5.90	5.36	4.80	3.90	2.11		
80% Exceedance	mm/day												mm	
Monthly	-0.40	0.00	0.18	0.40	-2.25	0.02	2.46	1.46	1.20	0.11	-0.34	-0.85	371	371
15-Day Moving Average	-1.25	-0.86	-1.21	-1.25	-4.39	-2.06	1.74	1.09	0.23	-1.25	-0.84	-2.17		
7-Day Moving Average	-3.24	-2.00	-2.19	-3.59	-8.24	-7.00	0.46	0.11	-2.40	-3.33	-2.12	-4.08		
3-Day Moving Average	-8.55	-5.53	-4.95	-6.21	-12.14	-17.75	-2.81	-1.52	-8.19	-7.68	-5.22	-6.77		
Ave Highest ET	mm/day												--	
15-Day Moving Average ^f	0.62	0.97	2.07	2.06	2.64	3.13	3.59	3.89	2.91	2.62	1.43	0.99		
7-Day Moving Average ^g	1.17	1.60	2.67	2.80	3.87	3.74	4.38	4.40	3.79	3.60	1.99	1.52		
3-Day Moving Average ^h	1.71	2.19	3.67	3.86	4.47	4.63	5.26	5.50	5.03	4.81	2.95	2.16		
Ave Lowest ET	mm/day												--	
15-Day Moving Average ^f	-0.44	0.19	0.62	0.48	-0.30	1.52	2.54	2.66	1.65	1.11	0.37	-0.07		
7-Day Moving Average ^g	-1.33	-0.40	-0.23	-0.65	-1.84	0.28	1.76	1.92	0.83	0.38	-0.23	-0.94		
3-Day Moving Average ^h	-2.99	-1.59	-1.76	-2.19	-4.05	-2.34	0.15	0.88	-0.84	-1.09	-1.57	-2.24		
Special normal distribution parameters for monthly, seasonal, and annual intervals														--
Skew	0.12	0.91	-0.18	0.15	-0.39	-0.92	-0.17	-0.01	-0.61	-0.34	-0.65	-0.82	-0.75	-0.75
Kurtosis	0.43	3.41	0.70	2.88	0.84	4.05	0.63	0.81	2.25	0.76	4.03	1.94	2.66	2.66

^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

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ET Idaho --- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

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Deer Flat Dam (NWS NOAA--102444)

Statistics based on 30 years between 1971 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 - deep systems (lakes, reservoirs)														
Precipitation Deficit (Click here for a graph)														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Annual
Mean	mm/day												mm	
Monthly ^b	-0.27	0.41	0.64	1.21	1.69	2.21	2.71	2.66	2.14	1.89	0.40	-0.14	475	475
15-Day Moving Average ^c	-0.38	0.26	0.62	1.23	1.70	2.24	2.76	2.61	2.02	1.95	0.42	-0.08		
7-Day Moving Average ^d	-0.34	0.35	0.62	1.22	1.67	2.23	2.74	2.64	2.05	1.92	0.37	-0.10		
3-Day Moving Average ^e	-0.28	0.40	0.64	1.22	1.68	2.23	2.73	2.66	2.10	1.89	0.39	-0.14		
Standard Deviation	mm/day												mm	
Monthly	0.79	0.65	1.29	0.74	1.22	0.66	0.55	0.78	0.77	0.73	0.63	0.90	90	90
15-Day Moving Average	0.84	0.84	1.15	0.89	1.18	0.88	0.50	0.79	1.01	0.73	0.81	0.83		
7-Day Moving Average	1.19	1.05	1.39	1.27	1.57	1.34	0.73	1.01	1.27	1.09	1.16	1.06		
3-Day Moving Average	1.62	1.38	1.83	1.80	2.02	1.86	1.05	1.33	1.60	1.49	1.62	1.53		
20% Exceedance	mm/day												mm	
Monthly	0.12	1.04	1.32	1.83	2.24	2.80	3.03	3.18	2.75	2.33	0.98	0.39	555	555
15-Day Moving Average	0.60	1.29	1.98	2.40	3.21	3.35	3.38	3.46	3.01	2.85	1.52	0.79		
7-Day Moving Average	0.96	1.63	2.23	2.84	3.74	3.79	3.75	3.70	3.31	3.26	1.71	1.11		
3-Day Moving Average	1.16	1.93	2.60	3.51	4.02	4.26	3.99	3.87	3.62	3.48	2.10	1.34		
80% Exceedance	mm/day												mm	
Monthly	-0.75	-0.19	0.00	0.56	0.99	1.66	2.35	2.29	1.38	1.46	-0.12	-0.72	384	384
15-Day Moving Average	-1.50	-0.83	-1.22	-0.51	-0.27	0.86	1.60	1.41	0.20	0.62	-1.24	-1.28		
7-Day Moving Average	-2.95	-2.14	-2.29	-1.44	-2.66	-1.39	0.79	0.19	-1.72	-0.75	-2.35	-2.87		
3-Day Moving Average	-5.31	-3.60	-5.43	-4.17	-6.36	-5.65	-1.54	-2.31	-3.27	-2.51	-5.22	-5.21		
Ave Highest ET	mm/day												--	
15-Day Moving Average ^f	0.37	0.75	1.34	1.91	2.54	3.00	3.16	3.10	2.62	2.54	0.97	0.50		
7-Day Moving Average ^g	0.82	1.34	1.83	2.56	3.19	3.47	3.47	3.45	3.12	2.97	1.43	0.85		
3-Day Moving Average ^h	1.02	1.66	2.25	3.07	3.70	3.92	3.79	3.66	3.45	3.23	1.80	1.18		
Ave Lowest ET	mm/day												--	
15-Day Moving Average ^f	-0.93	-0.10	0.00	0.55	0.84	1.50	2.26	2.18	1.54	1.31	-0.21	-0.70		
7-Day Moving Average ^g	-2.00	-0.87	-1.04	-0.50	-0.49	0.18	1.65	1.48	0.68	0.44	-1.19	-1.58		
3-Day Moving Average ^h	-3.97	-2.15	-2.75	-2.47	-2.87	-2.10	0.38	0.12	-0.68	-1.16	-3.24	-3.46		
Special normal distribution parameters for monthly, seasonal, and annual intervals														
Skew	-0.46	-0.34	-0.36	-0.51	-0.56	-0.51	-0.31	-0.34	-1.29	0.06	-0.21	-0.15	-0.06	-0.06
Kurtosis	1.26	2.90	1.07	3.95	1.71	2.88	0.93	0.90	4.64	0.77	2.18	0.65	2.29	2.29

^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

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Deer Flat Dam (NWS NOAA--102444)

Statistics based on 30 years between 1971 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.

Alfalfa - frequent cuttings												
Precipitation Deficit (Click here for a graph)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean												
Monthly ^b	-0.36	0.25	1.16	4.05	4.77	6.07	6.29	5.31	4.19	2.42	0.15	-0.45
mm/day												
Growing Season ^a												
Annual												
	mm											
	1046											
	1034											

Nampa (AgriMet--NMPI)

Statistics based on 9 years between 1997 to 2005

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.

Alfalfa - frequent cuttings												
Precipitation Deficit (Click here for a graph)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean												
Monthly ^b	-0.2	0.25	1.32	3.7	4.32	6.05	6.72	5.9	4.21	2.19	0.68	-0.05
mm/day												
Growing Season ^a												
Annual												
	mm											
	1067											
	1070											

Average: 1056.5 mm/yr
3.47 ft/yr

ET Idaho --- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

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Nampa (AgriMet --NMPI)

Statistics based on 9 years between 1997 to 2005

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.

Alfalfa - frequent cuttings														
Precipitation Deficit (Click here for a graph)														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Annual
Mean	mm/day												mm	
Monthly ^b	-0.20	0.25	1.32	3.70	4.32	6.05	6.72	5.90	4.21	2.19	0.68	-0.05	1067	1070
15-Day Moving Average ^c	-0.17	0.23	1.32	3.76	4.23	6.56	7.28	6.31	4.39	2.14	0.71	0.07		
7-Day Moving Average ^d	-0.17	0.27	1.27	3.73	4.27	6.30	7.04	6.12	4.27	2.18	0.65	0.00		
3-Day Moving Average ^e	-0.19	0.28	1.31	3.71	4.30	6.12	6.79	5.94	4.23	2.18	0.64	-0.03		
Standard Deviation	mm/day												mm	
Monthly	0.49	0.20	0.70	0.84	2.77	1.06	0.80	1.05	0.64	1.65	0.77	0.61	125	132
15-Day Moving Average	0.50	0.33	0.83	1.01	2.60	1.39	1.07	1.44	0.97	1.29	0.84	0.49		
7-Day Moving Average	0.77	0.61	1.12	1.51	3.02	2.27	1.70	1.98	1.56	1.62	1.05	0.74		
3-Day Moving Average	1.20	1.02	1.55	2.13	3.51	3.19	2.33	2.27	1.96	1.93	1.36	1.14		
20% Exceedance	mm/day												mm	
Monthly	0.09	0.27	1.70	4.50	5.70	6.51	7.03	6.13	4.48	2.78	1.22	0.17	1160	1155
15-Day Moving Average	0.46	0.52	2.86	5.21	7.54	7.74	8.94	8.24	5.89	4.01	1.75	0.56		
7-Day Moving Average	0.97	1.26	3.65	6.06	8.86	9.56	9.46	8.92	6.32	4.47	2.29	0.97		
3-Day Moving Average	1.54	1.95	4.88	7.50	9.44	10.64	10.14	9.49	7.07	5.21	3.02	1.12		
80% Exceedance	mm/day												mm	
Monthly	-0.57	0.01	0.43	2.47	0.63	4.02	5.93	4.64	3.11	0.65	-0.37	-1.03	961	937
15-Day Moving Average	-1.44	-0.63	-0.11	0.68	-2.01	1.89	4.76	3.05	2.82	-0.81	-0.77	-2.43		
7-Day Moving Average	-3.49	-1.94	-1.34	-1.92	-6.33	-3.36	2.13	1.02	0.48	-2.70	-2.18	-4.31		
3-Day Moving Average	-9.08	-5.44	-3.96	-4.50	-9.96	-14.63	0.14	-0.56	-5.76	-7.47	-5.41	-7.07		
Ave Highest ET	mm/day												--	
15-Day Moving Average ^f	0.34	0.51	2.21	4.73	5.74	7.68	8.36	7.69	5.34	2.99	1.24	0.47		
7-Day Moving Average ^g	0.78	1.05	2.98	5.66	7.63	8.67	8.89	8.33	6.31	3.99	1.71	0.75		
3-Day Moving Average ^h	1.15	1.54	3.89	6.87	8.52	9.47	9.74	8.92	7.04	4.68	2.26	1.09		
Ave Lowest ET	mm/day												--	
15-Day Moving Average ⁱ	-0.68	-0.07	0.60	2.70	2.59	5.04	5.73	4.72	3.45	1.41	0.16	-0.45		
7-Day Moving Average ^j	-1.59	-0.48	-0.11	1.53	1.05	2.80	3.76	2.98	2.16	0.73	-0.51	-1.27		
3-Day Moving Average ^k	-3.36	-1.65	-1.50	-0.08	-1.66	-0.11	1.63	1.91	0.64	-0.61	-1.86	-2.69		
Special normal distribution parameters for monthly, seasonal, and annual intervals														--
Skew	0.14	0.88	-0.33	0.40	-0.35	-1.05	0.09	0.01	-0.35	0.04	0.19	-0.50	-0.59	-0.52
Kurtosis	0.51	4.43	0.79	2.67	0.86	3.77	0.78	0.96	3.28	0.67	2.47	1.49	3.10	3.18

^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

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

ET Idaho --- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

Please send suggestions for improving this site to robison@kimberly.uidaho.edu Copyright 2007, University of Idaho.

Deer Flat Dam (NWS NOAA--102444)

Statistics based on 30 years between 1971 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.

Alfalfa - frequent cuttings														
Precipitation Deficit (Click here for a graph)														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Annual
Mean	mm/day												mm	
Monthly ^b	-0.36	0.25	1.16	4.05	4.77	6.07	6.29	5.31	4.19	2.42	0.15	-0.45	1046	1034
15-Day Moving Average ^c	-0.48	0.12	1.12	4.08	4.77	6.35	6.68	5.47	4.20	2.45	0.13	-0.40		
7-Day Moving Average ^d	-0.43	0.20	1.13	4.06	4.71	6.21	6.50	5.40	4.20	2.43	0.09	-0.42		
3-Day Moving Average ^e	-0.37	0.25	1.16	4.06	4.75	6.12	6.35	5.33	4.20	2.42	0.12	-0.45		
Standard Deviation	mm/day												mm	
Monthly	0.58	0.31	1.14	0.95	1.54	0.70	0.65	0.86	0.78	0.90	0.57	0.74	73	78
15-Day Moving Average	0.74	0.46	1.06	1.20	1.65	1.27	1.18	1.30	1.34	1.01	0.78	0.75		
7-Day Moving Average	1.06	0.77	1.32	1.68	2.15	2.01	1.75	1.86	1.74	1.41	1.19	0.96		
3-Day Moving Average	1.44	1.13	1.76	2.29	2.70	2.66	2.20	2.26	2.14	1.80	1.64	1.41		
20% Exceedance	mm/day												mm	
Monthly	-0.06	0.46	1.86	4.67	5.79	6.72	6.54	5.77	4.74	2.97	0.60	-0.01	1102	1083
15-Day Moving Average	0.40	0.78	2.88	5.87	7.28	8.08	8.24	7.45	6.14	3.90	1.52	0.43		
7-Day Moving Average	0.80	1.43	3.84	7.04	8.22	9.17	8.88	8.09	6.90	4.82	2.04	0.78		
3-Day Moving Average	1.17	2.29	4.58	8.19	9.35	10.26	9.57	8.55	7.46	5.62	2.31	0.99		
80% Exceedance	mm/day												mm	
Monthly	-0.64	0.01	0.48	3.40	4.04	5.46	5.87	4.90	3.58	1.86	-0.46	-0.95	969	948
15-Day Moving Average	-1.52	-0.68	-0.44	1.87	1.93	4.07	4.62	3.35	1.85	0.73	-1.45	-1.57		
7-Day Moving Average	-2.96	-1.76	-1.08	0.55	0.23	1.36	2.53	2.01	0.88	-0.56	-2.44	-2.85		
3-Day Moving Average	-5.31	-3.29	-3.82	-1.59	-3.82	-2.03	0.81	-0.14	-1.15	-2.02	-5.33	-4.81		
Ave Highest ET	mm/day												--	
15-Day Moving Average ^f	0.25	0.53	1.98	5.15	6.08	7.58	7.85	6.77	5.32	3.43	0.84	0.22		
7-Day Moving Average ^g	0.65	1.18	2.78	6.22	7.40	8.61	8.47	7.65	6.31	4.35	1.37	0.49		
3-Day Moving Average ^h	1.02	1.77	3.67	7.25	8.59	9.49	9.20	8.16	6.96	4.94	1.84	0.81		
Ave Lowest ET	mm/day												--	
15-Day Moving Average ^f	-0.99	-0.20	0.36	2.98	3.51	5.02	5.12	4.00	3.05	1.51	-0.57	-0.98		
7-Day Moving Average ^g	-2.01	-0.84	-0.53	1.77	1.90	2.77	3.11	2.50	1.76	0.56	-1.51	-1.78		
3-Day Moving Average ^h	-3.74	-2.00	-1.88	-0.24	-0.49	0.59	1.87	1.17	0.40	-0.77	-3.49	-3.56		
Special normal distribution parameters for monthly, seasonal, and annual intervals														--
Skew	-0.43	-0.78	0.12	-0.39	-0.22	-0.17	-0.27	-0.20	-0.61	-0.16	-0.05	-0.25	-0.25	-0.22
Kurtosis	0.96	4.03	0.77	2.99	1.03	2.55	0.95	1.04	3.30	0.86	2.58	0.68	2.73	2.74

^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

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ATTACHMENT 3
TRANSFER AUTHORIZATION

Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

Re: Crystal Lakes Development Application for Transfer

To Whom It May Concern:

We, Dan and Marcine Hukill, authorize Crystal Lakes Development Company to change water rights 63-3599D, 63-32076, 63-7825A, and 65-7825C that are currently appurtenant to property we own in the W ½, E ½, SW, Section 15. This authorization is made with the understanding that upon approval of the transfer, the industrial portion of right 63-3599D and all of rights 63-7825A and 63-7825C will be only appurtenant to our property and listed in our names. Rights 63-32076 and the irrigation and aesthetic portion of 63-3599D will be only appurtenant to property owned by Crystal Lakes Development Company and listed in their name.

Sincerely,

Daniel M. Hukill

Daniel M. Hukill

1-28-2009

Date

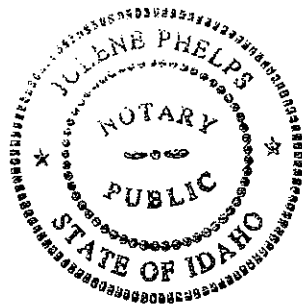
State of Idaho

County of

Canyon

) SS.
)
)

Subscribed and sworn (or affirmed) before me this 28 day of January, 2009.



Julie Phelps
Notary Public

Residing at

Nampa

My Commission Expires

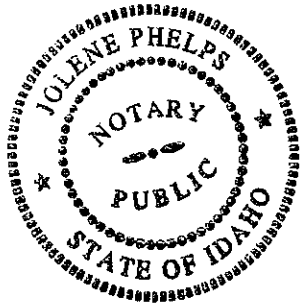
June 14, 2011

Marcine L. Hukill
Marcine L. Hukill

1-28-2009
Date

State of Idaho)
County of Canyon) SS.
_____)

Subscribed and sworn (or affirmed) before me this 28 day of January, 2009.



Jolene Phelps
Notary Public

Residing at Nampa

My Commission Expires June 14, 2011