

Form 1-222
12-92STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1

1. Name of Applicant D Diamond Ranch Homeowner's Association, Inc Phone 307-733-7440Mailing Address Prime Properties of Jackson Hole, 1230 Ida Lane, Wilson, WY 83014c/o Rocky Mountain Environmental Associates, Inc.482 Constitution, Ste 303(208) 524-2353Idaho Falls, ID 83402Fax (208) 524-1795

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: Applicant proposes to change the nature of use for a portion of the described rights to fill two ponds within the D Diamond Ranch subdivision.

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

1. Right Number Priority Amount Nature of Use Period of Use

22-600	6/01/1897	0.57 cfs	Irrigation	4/15 to 10/31
		0.03 cfs	Diversion to Storage	4/15 to 10/31
		13.3 AF	Fire Protection Storage	1/01 to 12/31
		13.3 AF	Aesthetic Storage	1/01 to 12/31
		13.3 AF	Wildlife Storage	1/01 to 12/31
22-601	6/01/1898	2.49 cfs	Irrigation	4/15 to 10/31
		0.11 cfs	Diversion to Storage	4/15 to 10/31
		13.3 AF	Fire Protection Storage	1/01 to 12/31
		13.3 AF	Aesthetic Storage	1/01 to 12/31
		13.3 AF	Wildlife Storage	1/01 to 12/31

2. Total amount of water being transferred 0.14 cubic feet per second and/or ____ acre-feet per annum.3. Source of water South Leigh Creek tributary to Teton River

4. Point(s) of Diversion:

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local Name for Diversion
	NW	NW	SW	32	6N	46E	TETON	Desert Ditch
3	NW	NW	SE	32	6N	46E	TETON	Hog Canal

5. Lands irrigated or place of use:

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
5N	45E	4	38	37.9															75.9
			FJW	FJW															
6N	45E	33															28.3	32.7	61

Total Acres 136.9

PART 1

8. General Information:

- a. Description of diversion system: The Hog Canal and Desert Ditch enter the property and water is diverted into existing laterals for irrigation. All laterals will be used for irrigation, two of which will direct water to the ponds for fill.
- b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts? ☐ Yes ☒ 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: 6.1 acres will be dried up
- d. Remarks: This transfer is to provide water for filling the ponds. The water rights will not be split. A companion transfer of ground water right 22-13818 will provide water to replace the evaporative losses of the ponds, as well as irrigate 2.2 ac of roadside tree lines for landscaping. For a more detailed description of the 6.1 acres that will be dried up, see accompanying Mitigation Plan. Also see attached Pond Consumptive Use and Summary of Transfers spreadsheets.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

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

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

Witness my hand this _____ day of _____, 20__

for the Director



PART 2

WATER RIGHT NO. 22-600

Owner Type Name and Address

Current Owner FYC PROPERTIES, LLC
 Current Owner PRIME PROPERTIES OF JACKSON HOLE, LLC
 Current Owner RENDEZVOUS LLC
 Current Owner ROBERT BROOKS
 Current Owner ANNETTE LONG
 Current Owner LUDWIG LONG
 PO BOX 1170
 WILSON, WY 83014

Priority Date: 06/01/1897

Basis: Decreed

Status: Active

Source Tributary

SOUTH LEIGH CREEK TETON RIVER

Beneficial Use From To Diversion Rate Volume

IRRIGATION 04/15 10/31 0.6 CFS

Total Diversion 0.6 CFS

Location of Point(s) of Diversion:

SOUTH LEIGH CREEK NWNWSW Sec. 32 Township 06N Range 46E TETON County

SOUTH LEIGH CREEK NWNWSE Lt 3 Sec. 32 Township 06N Range 46E TETON County

Place of Use Legal Description: IRRIGATION TETON County

Township Range Section Lot Tract Acres Lot Tract Acres Lot Tract Acres Lot Tract Acres

05N 45E 4 NENE 40 NWNE 40

06N 33 SWSE 29 SESE 34

Total Acres: 143

Conditions of Approval:

F01 Water is delivered through Desert Ditch for the diversion in NWSW of section 32 and Hog Canal for the diversion in NWSE lot 3 of section 32.

F15 The point of diversion for this water right is in Wyoming, T44N, R118W, Sec. 5 SENWNW LT 4, 6PM for the Hog Canal. The point of diversion shown above is where the conveyance system enters Idaho for the diversion in Section 32 NWNWSE lot 3

E56 The rights listed below are limited to the irrigation of a combined total of 143 acres in a single irrigation season. Combined Right Nos.: 22-600, 22-601.

158 The quantity of water diverted under this water right shall be from the portion awarded to Idaho and deducted there from as set forth in Roxana Canal Co. v. Daniels, Equity No. 2447 (D. Wy. Feb. 4, 1941).

160 This water right is subject to the delivery provisions contained in Roxana Canal Co. v. Daniels, Equity No. 2447 (D. Wy. Feb. 4, 1941) ("Roxana decree"). Nothing in this Partial Decree is intended to relieve or alter the state of Idaho nor the state of Wyoming from their obligations contained in the Roxana decree.

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

PART 2

WATER RIGHT NO. 22-601

Owner Type **Name and Address**
Current Owner FYC PROPERTIES, LLC
Current Owner PRIME PROPERTIES OF JACKSON HOLE, LLC
Current Owner RENDEZVOUS LLC
Current Owner ROBERT BROOKS
Current Owner ANNETTE LONG
Current Owner LUDWIG LONG
PO BOX 1170
WILSON, WY 83014

Priority Date: 06/01/1898 Basis: Decreed Status: Active

Source **Tributary**
SOUTH LEIGH CREEK TETON RIVER

Beneficial Use From To Diversion Rate Volume
IRRIGATION 04/15 10/31 2.6 CFS
Total Diversion 2.6 CFS

Location of Point(s) of Diversion:

SOUTH LEIGH CREEK NWNWSW Sec. 32 Township 06N Range 46E TETON County
SOUTH LEIGH CREEK NWNWSE Lt 3 Sec. 32 Township 06N Range 46E TETON County

Place of Use Legal Description: IRRIGATION TETON County

Township Range Section Lot Tract Acres Lot Tract Acres Lot Tract Acres Lot Tract Acres
05N 45E 4 1 NENE 40 2 NWNE 40
06N 33 SWSE 29 SESE 34
Total Acres: 143
Conditions of Approval:

- F01 Water is delivered through Desert Ditch for the diversion in NWSW of section 32 and Hog Canal for the diversion in NWSE lot 3 of section 32.
- F15 The point of diversion for this water right is in Wyoming, T44N, R118W, Sec. 5 SENWNW LT 4, 6PM for the Hog Canal. The point of diversion shown above is where the conveyance system enters Idaho for the diversion in Section 32 NWNWSE lot 3
- E56 The rights listed below are limited to the irrigation of a combined total of 143 acres in a single irrigation season. Combined Right Nos.: 22-600, 22-601.
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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

PART 3

B. CHANGES IN NATURE OF USE

1.	New Nature of Use	Amount (cfs/af-ac)	Hours/days/year	Period of use
	<u>Diversion to Storage</u>	<u>0.14</u> cfs	<u>24 h/200 d/yr</u>	<u>4/15</u> to <u>10/31</u>
	<u>Fire Protection Storage</u>	<u>13.3</u> ac-ft	<u>24 h/365 d/yr</u>	<u>1/01</u> to <u>12/31</u>
	<u>Aesthetic Storage</u>	<u>13.3</u> ac-ft	<u>24 h/365 d/yr</u>	<u>1/01</u> to <u>12/31</u>
	<u>Wildlife Storage</u>	<u>13.3</u> ac-ft	<u>24 h/365 d/yr</u>	<u>1/01</u> to <u>12/31</u>

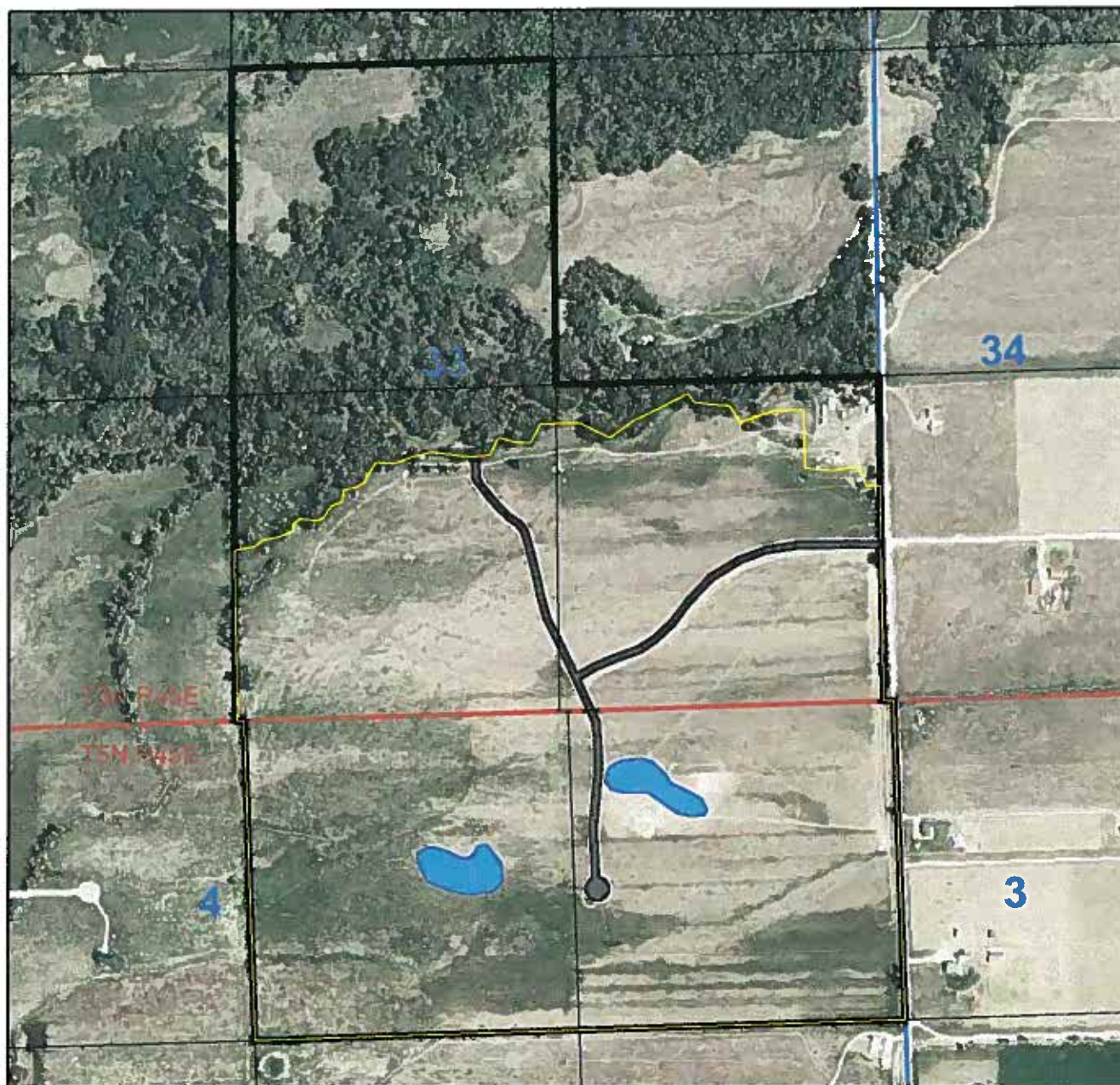
2. Quantity and quality of return flows and location of discharge: Applicant is last user on the Desert Ditch and Hog Canal. No water will be returned to the ditch/canal for diversion downstream.

3. Describe effects on other water uses resulting from the proposed change: No downstream users, therefore no effects on other water uses.

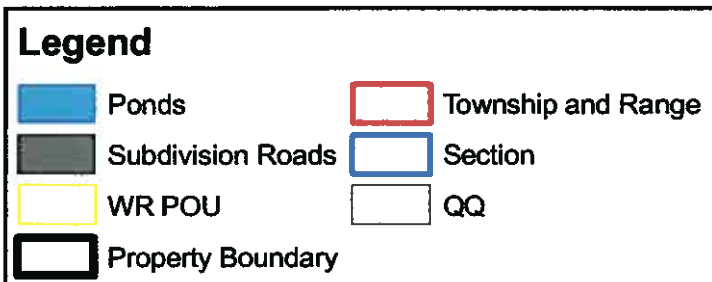
page 6 of 13

Application for Transfer of Water Rights 22-600 and 22-601 D Diamond Ranch Subdivision

74684



2006 NAIP Photography



0 250 500 1,000 Feet



74684

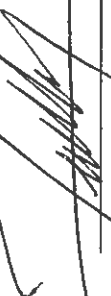
page 7 of 13

74 684

Page _____ of _____ Transfer No. _____

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 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.


For FYC Properties LLC

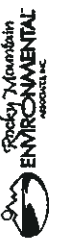
Frank Young
(Printed Name)
(Office or Position of Authority)

Subscribed and sworn to before me this 16th day of March, 2008


Notary Public
My Commission expires: 11/1/2011

Notary Public
BEN CASTRO
8399 N Silvercreek Rd
Park City, Utah 84098
My Commission Expires
November 01, 2011
State of Utah

74 684



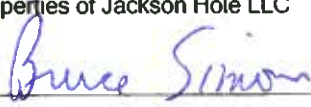
I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information in this application is true to the best of my knowledge.

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



For Prime Properties of Jackson Hole LLC

(Office or Position of Authority)



(Printed Name)

Subscribed and sworn to before me this 29 day of February, 2009.





Notary Public

My Commission expires: 2/4/11

Page 9 of 13

74684

Page _____ of _____ Transfer No. _____

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 in this application is true to the best of my knowledge.

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

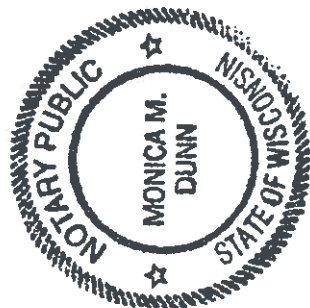
W. B. Smith, Partner

For Rendezvous, LLC

(Office or Position of Authority)

W. B. Smith

(Printed Name)



Subscribed and sworn to before me this 28 day of Feb., 2008.

Monica M. Dunn

Notary Public

My Commission expires: 03/21/2010



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 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.



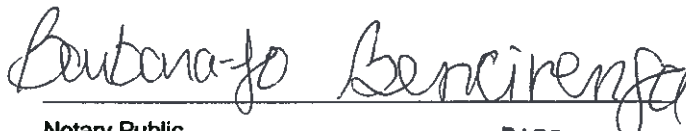
Robert Brooks

Subscribed and sworn to before me this

3rd

day of

March, 2008



Notary Public

My Commission expires: 9/27/09

BARBARA JO BENCIVENGA
Notary Public, State of New York
No. 01BE6031243
Certified in Nassau County
Commission Expires Sept. 27, 2009

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 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.

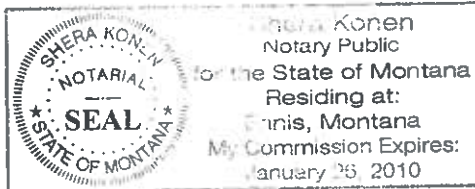
Ludwig Long

Ludwig Long

Annette Long

Annette Long

Subscribed and sworn to before me this 28th day of February, 2008



Shera Koenig
Notary Public

My Commission expires:

FOR DEPARTMENT USE ONLY

Transfer contains _____ pages and _____ attachments
Received by _____ Date _____ Protest filed by _____
Prelim check by _____ Fee 100 -
Receipted by _____ Date EO 33893
Published in _____ Copies of protest forwarded by _____
Pub. Dates _____ Hearing held by _____ Date _____
Watermaster recommendation requested on _____ Recommended for ☐ approval ☐ denial
_____ rec'd _____ By _____
Copy of transfer sent to lien holder _____

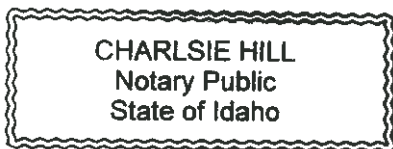


I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information in this application is true to the best of my knowledge.

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

W. Michael Baker
W Michael Baker

Subscribed and sworn to before me this 28th day of February, 2008



Charlsie Hill

Notary Public

My Commission expires: May 21, 2013

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 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.

Bernard Tarr

For Bernard Tarr MDTA Profit Sharing Plan

Subscribed and sworn to before me this

14

day of

MARCH

2008

Nicholas D. Perris

Notary Public

My Commission expires:

9/27/2008





Utah Department of
Commerce

Business Entity Search

[? Help](#)

Name	Type	City	Status
FYC PROPERTIES, LLC	Limited Liability Company	South Jordan	Active
Business Name:	FYC PROPERTIES, LLC		
Entity Number:	5042258-0160		
Registration Date:	12/24/2001		
State of Origin:			

Address
11636 S GOLD DUST DR
South Jordan, UT 84095

Status	
Status:	Active
Status Description:	Good Standing
This Status Date:	12/24/2001
Last Renewed:	10/23/2007
License Type:	LLC - Domestic
Delinquent Date:	12/24/2008

Registered Agent	
Registered Agent:	MICHAEL A JENSEN [Search BES] [Search RPS]
Address Line 1:	136 S MAIN, STE 430
Address Line 2:	PO BOX 571708
City:	Salt Lake City
State:	UT
Zip:	84157

STATE OF WYOMING * SECRETARY OF STATE
MAX MAXFIELD
BUSINESS DIVISION

200 West 24th Street, Cheyenne, WY 82002-0200

Phone 307-777-7311 · Fax 307-777-5339

Website: <http://soswy.state.wy.us> · Email: corporations@state.wy.us

Filing Information

Name **Prime Properties of Jackson Hole Ltd. Liability Company**
Filing Type Limited Liability Company
Status Active

General Information

Fictitious Name		ID	1992-000270988
Old Name		Standing	Good
Sub Type		SubStatus	Current
Formation Locale	Wyoming	Name Consent	N
Filing Date	01/17/1992 12:00 AM	Term of Duration	Expires
Delayed Effective Date		Expiration Date	01/17/2022
Inactive Date			

Registered Agent Address

Bruce Simon
1230 Ida Ln
P.O. Box 1170
Wilson, WY 83014 USA

Mailing Address

P.O. Box 1170
Wilson, WY 83014 USA

Parties

Type	Name / Organization / Address
------	-------------------------------

Public Notes

IDAHO SECRETARY OF STATE

Viewing Business Entity

Ben Ysursa, Secretary of State

RENDEZVOUS, LLC

433 W APPLETREE CT
MEQUON, WI 53092

Type of Business:	LIMITED LIABILITY COMPANY
Status:	EXISTING, REINSTATED 17 Dec 2007
State of Origin:	IDAHO
Date of Origination/Authorization:	04 Aug 2005
Current Registered Agent:	SEAN R MOULTON 60 EAST WALLACE DRIGGS, ID 83422
File Number:	W41645
Date of Last Annual Report:	18 Dec 2007

Original Filing:

[[Help Me Print/View TIFF](#)]

Filed 04 Aug 2005 ARTICLES OF ORGANIZATION [View Image \(TIFF format\)](#)

Amendments:

[[Help Me Print/View TIFF](#)]

Amendment Filed 17 Dec 2007 REINSTATEMENT [View Image \(TIFF format\)](#)

Annual Reports:

[[Help Me Print/View TIFF](#)]

Report for year 2007 REINSTATEMENT [View Image \(TIFF format\)](#)

IDAHO SECRETARY OF STATE

Viewing Business Entity

Ben Ysursa, Secretary of State

D DIAMOND RANCH HOMEOWNER'S ASSOCIATION, INC

1230 IDA LANE
WILSON, WY 83014

Type of Business:	CORPORATION, HOMEOWNERS ASSOCIATION
Status:	GOODSTANDING 03 Aug 2007
State of Origin:	IDAHO
Date of	03 Aug 2007
Origination/Authorization:	
Initial Registered Agent:	PRIME PROPERTIES OF JACKSON HOLE 1230 IDA LANE WILSON, WY 83014
Organizational ID / Filing Number:	C174374
Number of Authorized Stock Shares:	
Date of Last Annual Report:	

Original Filing:

Filed 03 Aug 2007 INCORPORATION

Amendments:

2007 AUG -3 AM 9:01

189487 JUL 17 07 PM 2 10

ED EFFECTIVE

**ARTICLES OF INCORPORATION
OF**

D DIAMOND RANCH

HOMEOWNER'S ASSOCIATION, INC

SECRETARY OF STATE
STATE OF IDAHO

We, the undersigned residents of the State of Idaho, being 18 years or more of age, do hereby associate ourselves together for the purpose of forming a corporation under the Idaho Non-Profit Corporation Act.

ARTICLE I

Name

The name of the corporation shall be D DIAMOND RANCH HOMEOWNER'S ASSOCIATION, INC.

ARTICLE II

Non-Profit Corporation

The corporation is a non-profit corporation.

ARTICLE III

Duration

The duration of this corporation shall be perpetual.

Instrument # 189487

TETON COUNTY, IDAHO

2007-07-17

02:10:00 No. of Pages: 3

Recorded for: MIKE BAKER

MARY LOU HANSEN

Ex-Officio Recorder Deputy

Index to: MISCELLANEOUS RECORDING

Fee: \$ 00

M-14266427

ARTICLE IV

Purposes

To promote the health, safety, and welfare of all persons, firms and corporations owning property in D Diamond Ranch, according to the plat thereof, recorded in the records of Teton County, Idaho, such purposes include, but are not limited to: the improvement and maintenance of the common areas, the upkeep of all vacant and unimproved lots, the enforcement of conditions, covenants, and restrictions on and appurtenant to said property, to acquire, own, or lease such real and personal property as may be necessary or convenient for the transaction of its business and the fulfillment of its purposes, to do any and all things necessary to promote the general welfare of the residents and owners of any portions of D Diamond Ranch, to arrange social and recreational functions for its members, and to exercise any and all powers that may be delegated to it from time to time by the owners of real property in the tract. This corporation shall not engage in political activity or pursue political purposes of any kind or character.

ARTICLE V

Membership

The corporation shall be comprised of one class of members, which class shall be comprised of all persons, firms, partnerships, corporations and other entities meeting the

ARTICLES OF INCORPORATION FOR D DIAMOND RANCH - 1
407 D Diamond Ranch-ART

C174374
IDAHO SECRETARY OF STATE
08/03/2007 05:00
CK: 1439 CT: 216112 RH: 1069022
1 @ 30.00 = 30.00 INC MONP # 2

ARTICLE X
Distribution on Dissolution

The distribution of assets on dissolution will be to its members pro-rata.

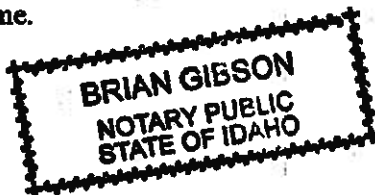
These articles of incorporation have been executed on this 16 day of July, 2007.



BRUCE SIMON, Incorporator

STATE OF IDAHO)
 : ss.
County of Teton)

On this 16 day of July, 2007, before me a Notary Public in and for said State, personally appeared **BRUCE SIMON** known or identified to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.





Notary Public for Idaho
Residing at: 170953, Id.

Mitigation Plan for Surface and Ground Water Transfers D Diamond Ranch

D Diamond Ranch subdivision has two ponds for fire protection, aesthetics, and wildlife. Two water sources will be used in the ponds: South Leigh Creek and ground water.

Pond Fill – South Leigh Creek

To fill the ponds of 13.3 AF, the existing surface water rights 22-600 and 22-601 will be used. East-west laterals already existing on the property will divert water to the ponds. According to the Driggs Idaho 102676 climate station, the historic consumptive use for irrigation of alfalfa hay-less frequent cuttings is 2.19 AF/ac. To reach a volume of 13.3 AF, 6.1 acres ($13.3 \text{ AF} / 2.19 \text{ AF/ac} = 6.07 \text{ ac}$) of irrigated ground are required. Because of the changes to the irrigated ground due to the addition of the subdivision, at least 6.07 acres will be dried up. Dried up acres will be rounded from 6.07 to 6.1 acres to ensure adequate volume is acquired. The following chart shows the origin of the dried up acres per quarter-quarter within the recommended place of use.

			Roads	Ponds (two)	Housing Footprints (6,000 ft ²)	Driveways	Total Being Dried Up
T6N R45E	Section 33	SESE	1.2	0	0.1	0	1.3
		SWSE	0.6	0	0.1	0	0.7
T5N R45E	Section 4	NENE	0.6	1.1	0.3	0	2.0
		NWNE	0	1.3	0.3	0.5	2.1
Total Acres			2.4	2.4	0.8	0.5	6.1

- Roads were based on 30 foot widths, including a small easement.
- Ponds have been excavated already and surface area has been determined to be 2.4 acres.
- Housing footprints were calculated based on an average of 6,000 ft² according to subdivision covenants. Only the six lots within the water right place of use were included in the calculation.
- Using only driveways for Lots 7 & 8 of D Diamond Ranch totaling at least ¼ mile long and only 16.5 feet wide, the remaining acreage of 0.5 ac will be dried up. Based on Teton County Fire Code, these two driveways will actually be 24 feet wide. Note that additional acres will be dried up with continued development of driveways within the subdivision.

Pond Evaporation – Ground water

Once the ponds are full, ground water will be used to maintain water levels year-round. Applicants have purchased 4.2 acres of water right 22-13818 from B.C. Properties LLC. Two acres will be used for the pond consumptive use, and the remaining 2.2 acres will be used for irrigation of roadside tree lines for landscaping. Calculations show that the existing ponds, which have a surface area of 2.4 acres, will have a total pond loss of 4.3 AF annually. Using the historic consumptive use of 2.19 AF/ac, 2 acres of irrigated ground must be dried up to compensate for evaporative losses ($4.3 \text{ AF} / 2.19 \text{ AF/ac} = 1.96 \text{ ac} = 2 \text{ ac}$). Due to rounding, a total loss of 4.4 AF is proposed to be transferred for evaporation. Total volume to be transferred is determined by calculating volume for 2.0 acres at 2.19 AF/ac where the nature of use will be changed and adding 2.2 irrigated acres at 3.5 AF/ac for a total of 12.1 AF.

The original 4.2 acres of 22-13818 to be dried up are within Lots 2 & 3 of Silver Dollar Ranches, leaving only 0.3 ac of right within Lot 3 (See attached Concept Master Plan of Silver Dollar Ranches).

Summary of Transfer Requirements

D Diamond Ranch

Ground Water Transfer

Right to be Transferred 22-13584	Diversion Rate (cfs)	Volume Limitation (AF)	Place of Use (acres)	cfs per acre	AF per acre*
	0.88		46.2	0.019	2.19
Amount of Water Needed For Evaporation					
		Pond Surface Area (acres)	Acres Equivalent to Evaporation Use**	cfs required to transfer	AF required to transfer
		2.42	2.0	0.04	4.4
Amount of Water Needed for Irrigation					
	Irrigated Acres	cfs required	Total Water Needed		
	2.2	0.04	Acres	4.2	
			CFS	0.08	
			AF Storage	4.4	
			AF Irrigation	7.7	

Surface Water Transfer

Right to be Transferred	Diversion Rate (cfs)		Place of Use (acres)	cfs per acre	AF per acre*
	22-600	0.6	143	0.004	2.19
	22-601	2.6	143	0.018	
Amount of Water Needed for Pond Storage					
		Pond Depth (ft)	Pond Surface Area (acres)	Pond Volume (AF)	Acres Needed
	West Pond	10	1.3	8.0	3.7
	East Pond	8	1.1	5.3	2.4

Total Water Needed	Acres	22-600	22-601	Total
	CFS	6.1	6.1	6.1
	AF Storage	0.03	0.11	0.14
		13.3	13.3	13.3

*Value calculated from mean irrigation requirement of alfalfa hay from Allen and Robison Report.
 **See attached Pond Consumptive Use Calculation spreadsheet.



Pond Consumptive Use Calculations
Climate Station: Driggs, Idaho 102676
D Diamond Ranch

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Annual FWW Evaporation (inches)*	35	35	35	35	35	35	35	35	35	35	35	35	35
Monthly Distribution (%)*	1	2	4	7	12	15	19	16	11	6	4	3	100
Monthly FWS Evaporation (in/mo)	0.35	0.7	1.4	2.45	4.2	5.25	6.65	5.6	3.85	2.1	1.4	1.05	35
Avg. Total Precipitation (in/mo)**	1.34	1.11	1.1	1.25	1.83	1.83	1.04	1.17	1.25	1.22	1.07	1.38	15.58
Pond Loss (Evap. - Precip., in)	0	0	0.3	1.2	2.37	3.42	5.61	4.43	2.6	0.88	0.33	0	21.14
Pond Surface Area (acres)	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
Total Pond Loss (ac-in)	0.0	0.0	0.7	2.9	5.7	8.3	13.6	10.7	6.3	2.1	0.8	0.0	51.2
Total Pond Loss (ac-ft)	0.0	0.0	0.1	0.2	0.5	0.7	1.1	0.9	0.5	0.2	0.1	0.0	4.3

Note: for months where precipitation exceeds evaporation, the resultant pond loss is set to zero

Irrigation Consumption		Crop
Mean Irrig. Requirement (in/seas.)***	26.3	Alfalfa-less frequent
Mean Irrig. Requirement (ft/seas.)***	2.19	cuttings
Acres to dry up for pond use	1.95	

*Molnau, Myron, Kpordze, Kojo C.S., and Craine, Katherine L., 1992. Monthly shallow pond evaporation in Idaho. ASAE paper PNW 92-111.

**Data obtained from the Western Regional Climate Center, Monthly Climate Summary, Period of Record 9/1/1905 to 5/31/1974. See attached.

***Precipitation Deficit values used synonymously with mean irrigation requirement. Values taken from 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. Used 667 mm for Alfalfa-less frequent cuttings