

Form No.42-1409-1 (Internet 5/17)

DISTRICT COURT - CSRBA Fifth Judicial District County of Twin Falls - State of Idaho

JUN 2 4 2022

Clerk

### IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION OF RIGHTS TO THE USE OF WATER FROM THE COEUR D'ALENE-SPOKANE RIVER **BASIN WATER SYSTEM** 

CIVIL CASE NUMBER: 49576 Deputy Clerk Claim ID: 95-18274 6.10.22 Date Received: C113024 Receipt No. Claim Fee: 414.10 By: Ken

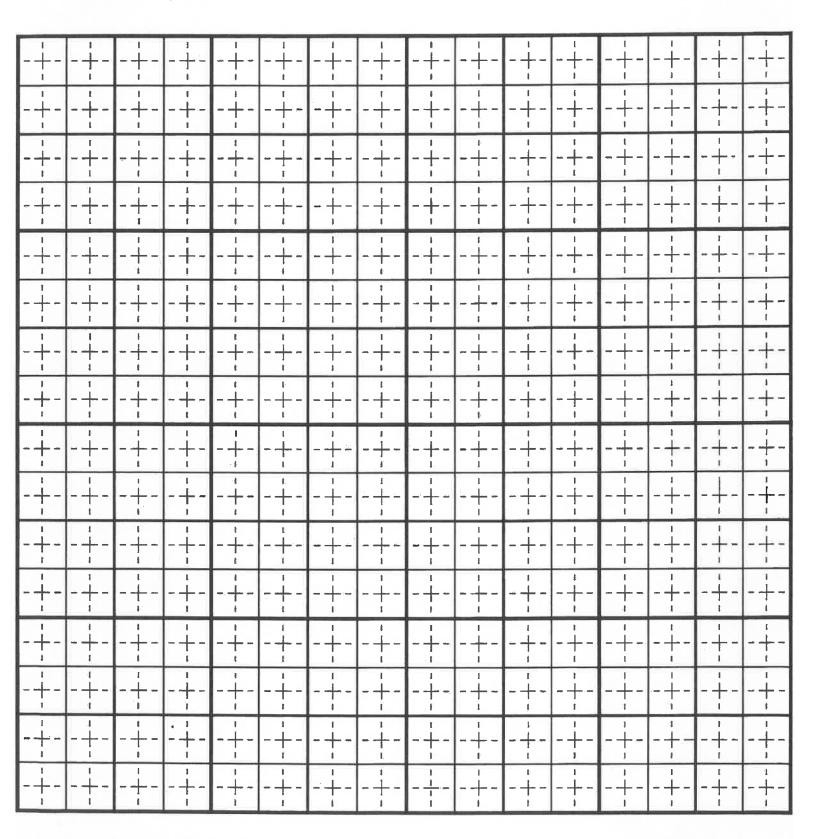
#### NOTICE OF CLAIM TO A WATER RIGHT **ACQUIRED UNDER STATE LAW**

Ple	ase type or print clearly
1.	Name of claimant(s) Chilco Water Right Holders Listed on Attachment 1 Phone () Attachment 1
	Mailing address See Attachment 1 Zip Zip
	Email address (optional)
2.	Date of priority: (Only one per claim)09/04/1910 (Explain priority date selected in Remarks)
3.	Source of water supply (Check one) Ground Water ( ) or Other ( ) (a) Chilco Lake/Reservoir
	which is tributary to (b) Chilco Creek
4.	a. Location of point of diversion is: Township, Range03W, Section08
	SE 1/4 of SW 1/4, Govt. Lot, BM, County of Kootenai
	Parcel no. <u>52N03W08-6800</u>
	Additional points of diversion, if any:
	If available, GPS Coordinates lat 47 degrees 51 min. 46 sec. N, long. 116 degrees 44 min. 26.51 sec.W
	b. If instream flow, beginning point of claimed instream flow is:
	Township, Range, Section, 1/4 of 1/4,
	Govt. Lot, BM, County of
	Ending point is: Township, Range, Section,1/4 of1/4,
	Govt. Lot, BM, County of
5.	Description of existing diversion works (dams, reservoirs, ditches, wells, pumps, pipelines, headgates, etc.), including the dates of any changes or enlargements in use, the dimensions of the diversion works as constructed and as enlarged and the depth of each well.
	Water is held in storage by Chilco Dam and storage water for consumptive use is then diverted through a valve in the dam that discharges to head works of gravity system. Weir boards control overflow to falls. Other storage is retained for recreation, wildlife and aesthetic use.

3. W	ater is	clain	ned fo	r the fo	ollowii	ng pu	rpose	<b>S</b> :	(da	ites are	inclusi	ve MM-	DD)		(c	fs)		(acre-	feet)
Fo	or	Sto	rage fo	or Irriga	ation,		purpo	oses f	rom _	01	to _	12/3	1 an	nount			or	659	9.3
				Recre															
Fo	or		and A	estheti	cs		purpo	oses f	rom_		to		an	nount			or_		
7. To	otal qu	antity	claim	ned (a	1)				(cfs	) and/	or (b)			659.3	1		(acre	-feet)	}
nu 9. De a.	imber escript	of live tion o ter is	estock f place for irri	; descr (, etc.) e of use gation, for other	e: , indic	ate a	creage	e in e	ach s	ubdivi	sion ir	n the t	abulat	tion be	elow.				
J.				ow. Se	e inst			stand	dard s										
TWP	RGE	SEC	NE	NW	sw	SE	NE	NW	W sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	Totals
52N	03W	-		100			142				I		Lt.4I			I	ī	1	
52N	03W	_									JRW			JRW		JRW	JRW		
52N	03W	17		JRW							İ								
52N	03W	07							4	1					3.4			15.9	
52N	03W	08										20	4.8						
52N	03W	18	22	10															
10. In 11. De If 12. De S	which o you your a escribe ee Atta	own to answer	hty(ies the pro er is No other ent 1	pperty on description on explanation of the control	ands listed cribe i rights	isted abov n Rei s used	above e as p marks d at the	e as place of belower same	of use the and plan	of use ? autho ce an	Yes (rity your different for the	ed? Ked? Ked? Ked? I Note that we have the sare that the sare that we have the sare that we have the sare that the sare that we have the sare that the sare that we have the sare that the sare the sare that the sare that the sare that the sare that the	ootena No ( e to cl me pu	ai ) aim th	nis wa	descril	ht. oed ak	oove.	
iri <del>3(</del> w	rigation <del>36 acr</del> ater ri	n, ind <del>e-fee</del> ghts (	ustrial <del>t histo</del> on Atta	I, recre rically achme the de	ation, <del>has b</del> nt 1 o	wildl <del>een c</del> f 560	ife, an <del>perate</del> .3 acre	d aes ed on e-feet	thetic a cor This	use. <del>Minuo</del> s clain	The s us fill l n seek	storag <del>sasis</del> s reco	e rese t <del>o sati</del> ognitic	ervoir, sfy th	whic <del>e de</del> c	h has <del>reed c</del>	a capi <del>juanti</del>	city of	
	of clair	mant/s	s) Child	co stora	ige wa	ter ric	ıht own	ers lis	ted or	Attac	hment	1			laim I	<sub>D</sub> _95-	.1827	'4	

Map of Project: Attach aerial photograph or topographic map showing clearly the point of diversion, place of use, section number, township, and range number, unless unavailable. Otherwise sketch the elements above on the grid below.

Scale: 2 inches equals 1 mile



14.	Basis of claim (Check one) Beneficial Use	( ) Posted Notice ( ) License ( ✓ ) Permit ( ) Decree ( )
	Court Decree Date	Plaintiff v. Defendant
	If applicable provide IDWR Water Right Nu	95-2036
15.	you will receive notices in the Coeur d'	nat I/We have received, read and understand the form entitled "How Alene-Spokane River Basin Water System Adjudication." e and pay a small annual fee for monthly copies of the docket sheet.
	Number of attachments: 13	
	For Individuals: I/We do solemnly swear foregoing document are true and correct.	or affirm under penalty of perjury that the statements contained in the
	Signature of Claimant (s)	Date:
		Date:
	For Organizations: I do solemnly swear of foregoing document in the space below as	r affirm under penalty of perjury that I am, and that I have signed the the
	Regions Many a	of Tacko Forest Group.  Name of organization (Please print)
	and that the statements contained in the fo	regoing document are true and correct.
	Signature of Authorized Agent	Le Houley Date 5/5/2022
	Printed Name of Authorized Agent	the Hewley
	attorney at law on behalf of the claimant sig director to the claimant signing above shou	Clive J Strong, will be acting as gning above, and that all notices required by law to be mailed by the ld be mailed to me at the address listed below.  Date
		•
Nam	e of claimant(s) <u>Chilco storage water right owne</u>	rs listed on Attachment 1 Claim ID 95-18274

	Court	Degree Date	Plaintiff v. Defe	pdant
	If applicable pro	ovide IDWR Water Right Numb	per_95-2036	
15	Signature(s)			
13.	(a.) By signing I	eive notices in the Coeur d'Ale	ne-Spokane River Basin W	nd understand the form entitled "How atter System Adjudication." or monthly copies of the docket sheet.
	Number of attac	chments:		
		s: I/We do solemnly swear or a nent are true and correct.	affirm under penalty of perju	ary that the statements contained in the
	Signature of Cla	aimant (s)		Date:
				Date:
		ons: I do solemnly swear or a		ry that I am, and that I have signed the
	Attorney		of Kootenai Propertie	es, Inc.
	•			
	and that the stat	tements contained in the foreg	oing document are true and	d correct.
	Signature of Aut	thorized Agent	72	Date _5/6/22
	Printed Name of	f Authorized Agent Travis L. T	hompson	ñ
16.	Notice of Appe Notice is hereby attorney at law of director to the cl	arance:  y given that I, (please print) Tri on behalf of the claimant signir aimant signing above should I	avis L. Thompson  ng above, and that all notice be mailed to me at the addre	, will be acting as es required by law to be mailed by the ess listed below.
	Signature	フラマ		Date 5/6/22
		Rosholt & Simpson LLP, P.O.		
	Address Barker	Rosholt & Simpson LLP, P.O.	. BOX 03, TWIN FAIIS, ID 653	103-0003
				0- 10071
Nam	e of claimant(s) _			Claim ID 95 - 18274

14.	Basis of claim (Check one) Beneficial Use ( ) Posted Notice ( ) License ( ✓ ) Permit ( ) Decree ( )							
	Court Decree Date Plaintiff v. Defendant							
	f applicable provide IDWR Water Right Number 95-2036							
15.	Signature(s) a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notices in the Coeur d'Alene-Spokane River Basin Water System Adjudication." b.) I/We do ( ) do not ( ✓ ) wish to receive and pay a small annual fee for monthly copies of the docket sheet.							
	For Individuals: I/We do solemnly swear or affirm under penalty of perjury that the statements contained in the pregoing document are true and correct.							
	Signature of Claimant (s) Getter Bang Date: 4/1/25  Date: 4/1/25							
	for Organizations: I do solemnly swear or affirm under penalty of perjury that I am, and that I have signed the oregoing document in the space below as the							
	Regional Manager of Idaho Forest Group, LLC							
	Agent's title (Please print)  Name of organization (Please print)							
	nd that the statements contained in the foregoing document are true and correct.							
	ignature of Authorized Agent Date							
	rinted Name of Authorized Agent Mike Henley							
16.	otice of Appearance:							
	Notice is hereby given that I, (please print) Clive J. Strong attorney at law on behalf of the claimant signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.  Signature							
,	duress der den drive, ban wards, CAV 92089							

14	Racio of claim (Charles	na) Danadaiat II.a. /	N. Marian and A.		
1-4.	Basis of claim (Check or				
	Court	_ Decree Date	Plaint	tiff v. Defendant $\_$	
	If applicable provide IDV	/R Water Right Num	ber <u>95-2036</u>		
15.	you will receive notic	es in the Coeur d'Ale	ene-Spokane Rive	r Basin Water Svs	erstand the form entitled "How stem Adjudication"
	(b.) I/We do ( ) do not (	✓ ) wish to receive a	ind pay a small an	nual fee for month	nly copies of the docket sheet.
	Number of attachments:				
	JUIEDUIID DOM: IMANT SIR	TOTA STA COMOC!			he statements contained in the
	Signature of Claimant (s)	May E.	Lunam		Date: <u>4-8-22</u> Date: <u>4-8-22</u>
		Martha	W. Jerk	rine	Date: 4-8-22
	For Organizations: I do foregoing document in th	solemniv swear or a	iffirm under nensit	y of perjury that I	am, and that I have signed the
	Regional Manager	ase print)	of Idaho For	est Group, LLC	9
	Agent's title (Ple	ase print)		Name of organ	ization (Please print)
	and that the statements of				
	Signature of Authorized A	Agent			Date
	Printed Name of Authoriz		ev.		
16.	Notice of Appearance:				
		at I. (please print) Cli	ve J. Strong		will be esting so
	attomey at law on behalf	of the claimant signir	ng above, and that	all notices requir	, will be acting as ed by law to be mailed by the
	director to the Claimant Si	aning agove subrid i	pe mailed to me al	the address lister	d below.
	Signature	1 Tho	wy	Da	te 6/7/2022
	Address 554 Golf Glen D	rive, San Marcos, CA	<b>V</b> 92069		

Court	Decree Date	Plaintiff v. Defendant	
	ovide IDWR Water Right Number		
Signature(s)			
YOU WILLIED	eive notices in the Coeur d'Alana	Ve have received, read and understand the -Spokane River Basin Water System Adjuction pay a small annual fee for monthly copies	lination "
	chments:		
For Individuals foregoing documents	s: I/We do solemnly swear or affi ment are true and correct.	m under penalty of perjury that the statem	ents contained in the
Signature of Cir	aimant (s)	Date: _	
		Date:	
Age and that the sta	An Age 2 nt's title (Flease print) tements contained in the foregoin	of RER Smith PRofesion (Please document are true and correct.	ee print)
	f Authorized Agent Ranz	1	-4/10/22
arround at 16144 t	given that I, (please print) on behalf of the claimant signing a laimant signing above should be i	above, and that all notices required by law mailed to me at the address listed below.  Date	to be mailed by the

14	Basis of claim (Chack one) E licial Use ( ) Posted Notice ( ) License	Pe	rmit ( ) Decree ( )
	Court Decree Date Plaintiff v. Defen	dant	
	If applicable provide IDWR Water Right Number 95-2036		
15.	Signature(s)		
	<ul> <li>(a.) By signing below, I/We acknowledge that I/We have received, read an you will receive notices in the Coeur d'Alene-Spokane River Basin Wa</li> <li>(b.) I/We do ( ) do not ( ✓ ) wish to receive and pay a small annual fee for</li> </ul>		
	Number of attachments:		A a broad at a to adollor bildoff
	For Individuals: I/We do solemnly swear or affirm under penalty of perjur foregoing document are true and correct.	y that th	e statements contained in the
	Signature of Claimant (s)		Date:
			Date:
	For Organizations: I do solemnly swear or affirm under penalty of perjury foregoing document in the space below as the	that I a	m, and that I have signed the
	Agent's title (Please print)  Agent's title (Please print)  Name	nd anabain	ollen (Pile
	and that the statements contained in the foregoing document are true and	correct.	mon (Name bum)
	Signature of Authorized Agent ferry Cong		_ Date 4-11-22
	Printed Name of Authorized Agent 1766 (BARY + KA	266	7855 1965
16.	Notice of Appearance:		
	Notice is hereby given that I, (please print) Clive J. Strong		will be notine as
	Notice is hereby given that I, (please print) Clive J. Strong altorney at law on behalf of the claimant signing above, and that all notices director to the claimant signing above should be mailed to me at the address	required	by law to be mailed by the
	Character to the St the Stoles	is listed	below.
	7-0-0-14	Date	6/7/2022
•	Address 554 Golf Glen Drive, San Marcos, CA 92069		
Name	of claimant(s) Chilco storage water right owners flated on Attachment 1	A	- 12 95-1827U

14.	Basis of claim (Check one) Beneficial Use ( ) Posted Notice ( ✓) License ( ) Permit ( ) Decree ( )								
	Court Decree Date Plaintiff v. Defendant								
	If applicable provide IDWR Water Right Number 95-2036								
15.	Signature(s)								
	<ul> <li>(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notices in the Coeur d'Alene-Spokane River Basin Water System Adjudication."</li> <li>(b.) I/We do ( ) do not ( ) wish to receive and pay a small annual fee for monthly copies of the docket sheet.</li> </ul>								
	Number of attachments:								
	For Individuals: I/We do solemnly swear or affirm under penaity of perjury that the statements contained in the foregoing document are true and correct.								
	Signature of Claimant (s) Date:								
	Date:								
	For Organizations: I do solemnly swear or affirm under penalty of perjury that I am, and that I have signed the foregoing document in the space below as the								
	Manage 2 of Ran Smith Family Trust  Agent's title (Please print) Name of organization (Please print)								
	Agent's title (Please print)  Name of organization (Please print)								
	and that the statements contained in the foregoing document are true and correct.								
	Signature of Authorized Agent Dan Date 4/9/22								
	Printed Name of Authorized Agent RAnDau L. Smith.								
16.	Notice of Appearance:								
	Notice is hereby given that I, (please print) Clive J Strong will be acting as								
	Notice is hereby given that I, (please print) Clive J Strong, will be acting as attorney at law on behalf of the element signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.								
	Signature Unit Strong Date 6/20/2022								
	Address 554 Golf Glen Drive, San Marcos, CA 93069								

14,	Dasis of Claim (Che	ick one) B licial Us	se ( ) Posted i	Notice ( ) License	Permit (	) Decree ( )
	Court	Decree Date		_ Plaintiff v. Defen	dant	
	If applicable provid	e IDWR Water Right	Number <u>95-203</u>	96	_	
15.	Signature(s)				35	
	ION WHILL GOGIAE	w, I/Wa acknowledge notices in the Coaur not ( < ) wish to rece	' D'AIRNA-SAAKe	na Piusr Rasin Wa	tine Creations Author	الا جدالة حدالة
		ents:				
	For Individuals: I/ foregoing document	We do solemnly swetter true and correct	ar or affirm und	er penalty of perjur	y that the staten	nents contained in the
	Signature of Claims	int (s) (c)	//	>	Date:	4-14-2022
		-	79		Date:	4-14-2022
		: I do solemnly swea t in the space below :	as me			
	Agent's (	tie (Please print)	of <u>-</u> -			
	and that the statem	ents contained in the	foregoine desc	Name	of organization (Pla	ase print)
				1		
	Signature of Author	zed Agent			Dat	e
		thorized Agent				
	Notice of Appeara Notice is hereby giv attorney at law on b director to the claim Signature	nee; en that I, (please prin shalf of the claimant; ant signing above sh	clive J. Strong above, ould be mailed	ng and that all notices to me at the addres	required by law	will be acting as to be mailed by the
	Vogless 224 Goll G	len Drive, San Marco	s, CA/ 92069			
Name	of claimant(s) Chilco	storage water right own	lers listed on And	ichment 1		95-18274
					_ Claim ID _	11/00/14

#### ATTACHMENT 1 TO CLAIM NO. 95-18274

1.	Owners of Right	Decreed Storage Right		
	Kootenai Properties, Inc. 3774 W Bean Ave Hayden, ID 83835 Phone: 208-661-1046	95-2036A & 95-16449	305 AF	Wildlife Recreation Aesthetic
	Idaho Forest Group 687 W Canfield Ave. Ste. 100` Coeur d'Alene, ID 83815-5335 Phone: 208-762-2900	95-2036B	150 AF	Industrial
	Jameson Mortgage Co. 2243 W Dakota Ave. Hayden, ID 83835 Phone: 208-772-0604	95-16447	5.2 AF	Irrigation
	Ed Jameson 2243 W Dakota Ave. Hayden, ID 83835 Phone: 208-772-0604	95-16448	6.1 AF	Irrigation
	The David L. Haman Trust P.O. Box 3311 Hayden, ID 83835 Phone:	95-16450	6.5 AF	Irrigation
	Curtis & Lana Carney 4734 E. Chilco Rd Athol, ID 83801 Phone: 208-772-4415	95-16451	50.6 AF	Irrigation
	Martha W & Max E Jenkins 3386 E. Wishful Trail Athol, ID 83802 Phone: 208-818-0126	95-16453	5.2 AF	Irrigation
	PENDING CHANGE OF OWNERSHP SEE DIVISION BELOW	95-16452	31.7 AF	Irrigation
	R&R Properties LLC 22424 N. Pope RD Athol, ID 83801 AND Gary W. Creagle and Karen B. Creagle 1995 Trust		19.0 AF	Irrigation

11173 Crystal Bay RD Post Falls, ID 83854

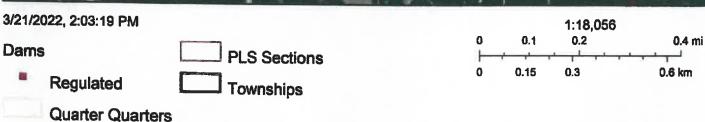
Phone: 208-641-3535

Gary W. Creagle and Karen B. Creagle 1995 Trust 11173 W Crystal Bay Rd	1.7 AF	Irrigation
Post Falls, ID 83854		
Phone: 805-451-0091		
R&R Smith Family Trust	6.0 AF	Irrigation
22424 W. Pope Rd		
Athol, ID 83801		
Phone: 208-772-7321		
Ryan & Crystal Smith 22668 N. Pope Rd Athol, ID 83801	5.0 AF	Irrigation
•		

### CHILCO DAM AND RESER

### Dams in Idaho



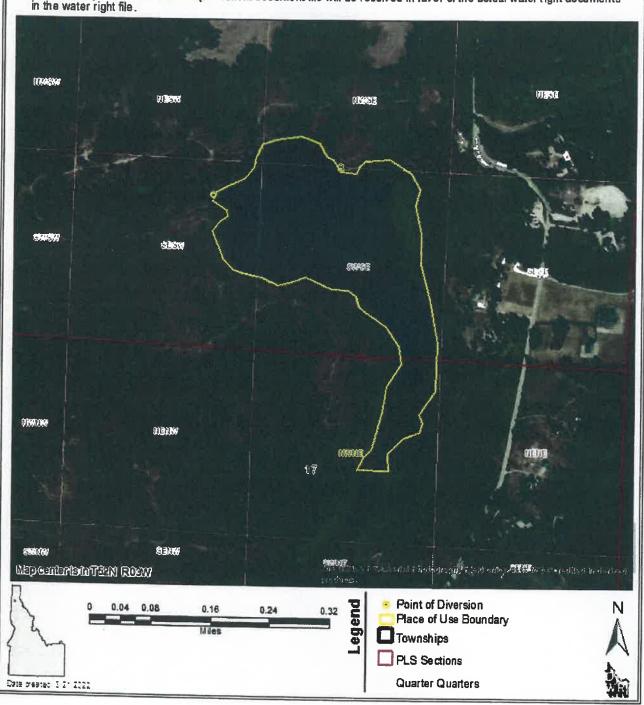


Esri, HERE, Garmin, GeoTechnologies, Inc., Maxar

### Water Right

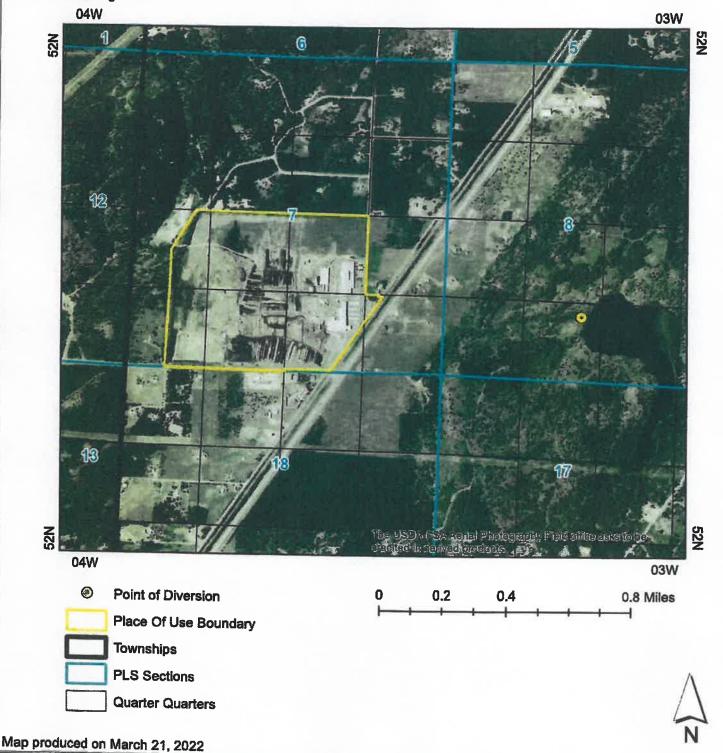
95-2036A

#### **AESTHETIC STORAGE**



# Water Right 95-2036B

#### INDUSTRIAL FROM STORAGE



### **Adjudication Recommendation**

95-16447

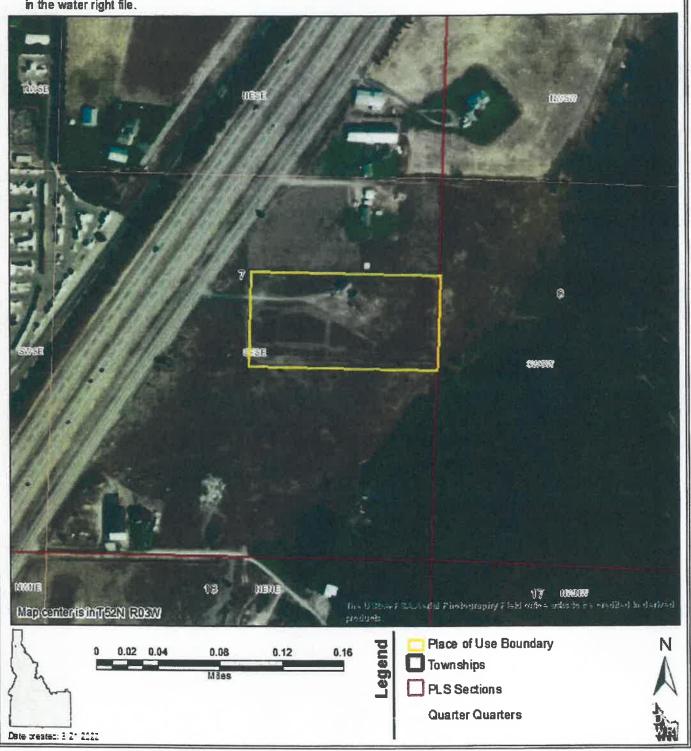
#### IRRIGATION FROM STORAGE



# **Adjudication Recommendation**

95-16448

#### **IRRIGATION FROM STORAGE**



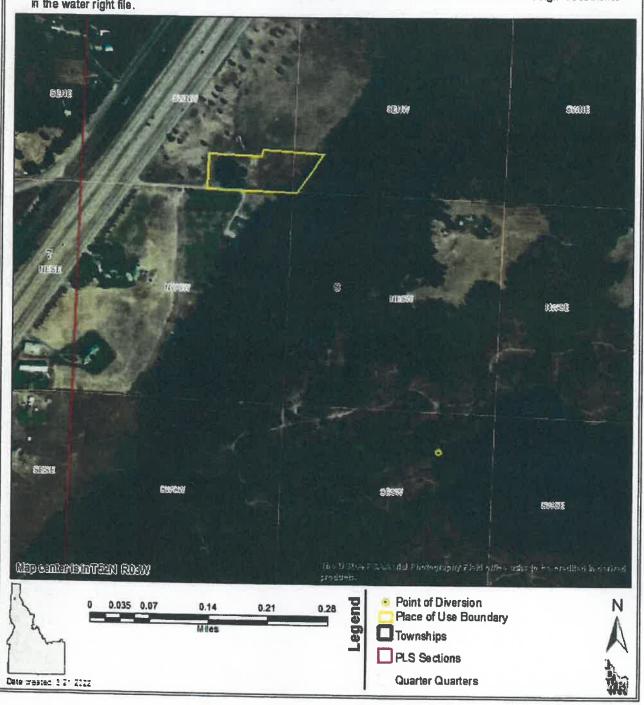
45-16444 PLINES TO SPRINKLERS (TYP) NIM ROCK GALLE COURSE PROPERTY HOUNDARY TOTAL SURES OF DE CHILGO MILL RIM ROCK GOLF COURSE PRO Key No. 9780 Parcel 55 Parcel ID 0043914 DATE: 5-4-09

Idato Thursportation Department

## **Adjudication Recommendation**

95-16450

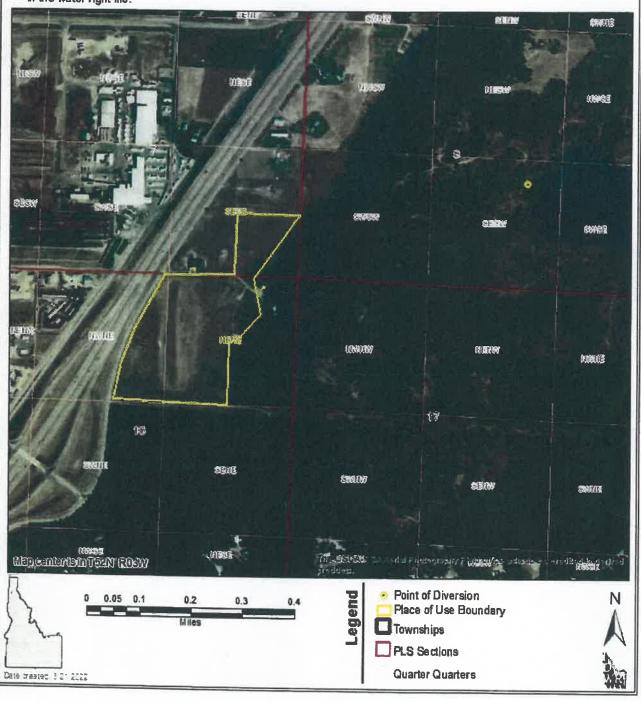
#### **IRRIGATION FROM STORAGE**



### **Adjudication Recommendation**

95-16451

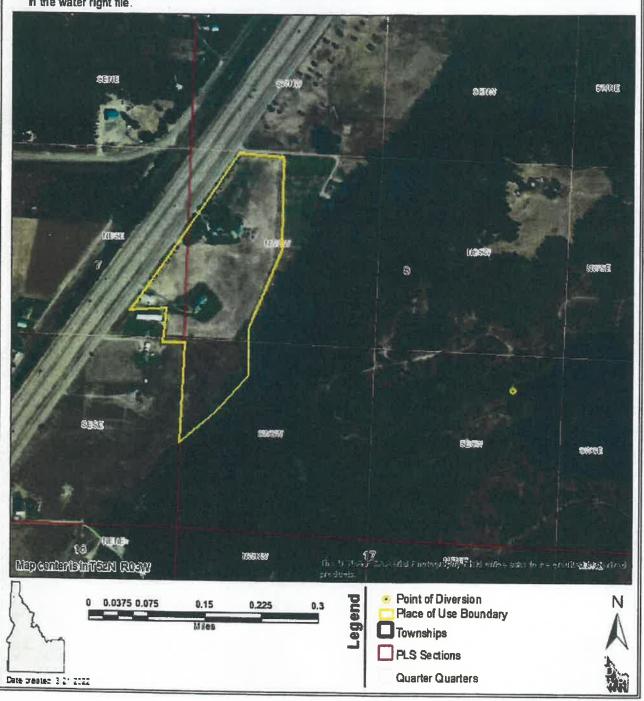
#### IRRIGATION FROM STORAGE



### **Adjudication Recommendation**

95-16452

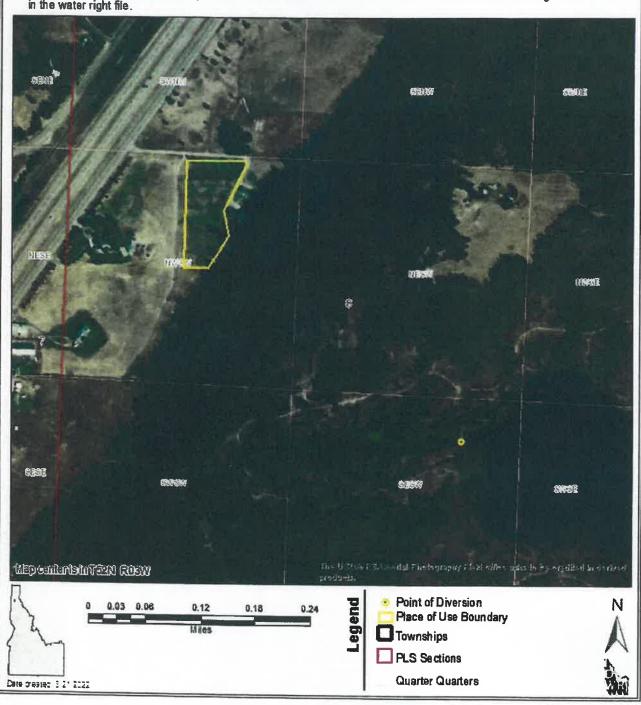
#### **IRRIGATION FROM STORAGE**



### **Adjudication Recommendation**

95-16453

#### **IRRIGATION FROM STORAGE**



#### **Seepage Loss Calculations**

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total annual seepage losses from a pond.

FILE NUMBER	104-1000000
REVIEWER	
DATE	3/3/2022

	User Input	
	Calculated value	
Formula Explanations		

#### INPLITS

Pond Surface Area (AC.)	44	AC.
Pond Surface Area (SQ. FT.)	1916640	SQ. FT.
I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	CL	
Suggested Seepage Rate (FT./DAY)	0.0030	FT./DAY

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss

Convert to GPD	43009	GPD

Though sand and gravel seepage rates may actually be higher, the maximum allowable rate is 0.2 ft/day, pursuant to Administrative Memo "Seepage Loss Standards for Ponds and Reservoirs."

Suggested Seepage Rates for Different Soil Types:

GW, GP, GM, GC, SW, SP and SM (silty sand, sand silt mixtures and gravel mixtures) = 0.2 ft per day

OL and ML (inorganic silts - very fine sands, silty, or clayey fine sands) = 0.02 ft per day

SC (clayey sands, sand clay mixtures) = 0.007 ft per day

CL (Low to medium plasticity clays) = 0.003 ft per day

MH, OH, PT and CH (high plasticity clays) = 0.0003 ft per day

LINED PONDS (liners can be chemical, fabric, or bentonite) = 0 ft per day

Ponds Intercepting Groundwater (excavated ponds filled by ground water) = 0 ft per day

PLEASE NOTE: The initial basis for the Suggested Seepage Rates in the table above is found on Page 16 of Seepage from Fish Ponds, Bulletin 599, August 1989 Alabama Agricultural experiment Station, Auburn University, Auburn University Alabama. If you don't know the soil type, please refer to the map provided at the NRCS Web Soil Survey (Tab #1), an ArcMap Soil Classification Map (Tab #1.1), or published NRCS Soil Survey (Tab #1.2). Use "0" if the pond fill relies on the water table.

#### **Evaporation Loss Calculations**

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the annual evaporation losses from a pond.

FILE NUMBER	NOK-NOKIOON
REVIEWER	0
DATE	3/3/2022

User Input
Calculated value
Formula Explanations

The acronyms used on the Kimberly Research Center website are defined below:

P = Precipitation

ET= Evapotranspiration

P<sub>d</sub> = Precipitation deficit

Pd =ET-P

#### **USING THIS SPREADSHEET**

Use the link below to access the Kimberly Research Center website. This website provides the Precipitation Deficit for a station most representative of the pond under examination. The Precipitation Deficit is the total amount of free water surface evaporation minus the precipitation for a given area, which gives the total amount of evaporative losses incurred by the pond. There are several weather sites that are used throughout the state. IDWR staff can find the nearest site using Arc Map. The shape file containing the sites can be found at X:/Spatial/Climate/ETIdahostations.shp.

#### Instructions:

- 1. Use the link below to navigate to ET Idaho 2012.
- 2. Select the station which is most representative to your pond location.
- 3. Click Submit Query.
- 4. Under "Land Covers with Evapotranspiration Estimates," select "Open Water Shallow Systems (ponds, streams)" or "Open Water small stock ponds" depending on the pond size.
- 5. Click the link to "Precipitation Deficit."
- 6. Reference and copy (ctrl + C) the first subheading "Mean" values.
- 7. Click the "Paste Values from ET Idaho" button. The table will automatically enter a zero (0) for any negative precipitation deficit values.

Found at: http://data.kimberly.uidaho.edu/ETIdaho/

#### **Precipitation Deficit**

Station: Coeur d'Alene 1E (NWS - USC00101956)

Month	mm/day <sup>1</sup>	Days per month	mm/Month
Jan	-2.24	31	0.00
Feb	-1.56	28	0.00
March	-0.76	31	0.00
April	0.72	30	21.60
May	1.28	31	39.68
June	1.67	30	50.10
July	3.27	31	101.37
August	2.78	31	86.18
September	1.68	30	50.40
October	0.08	31	2,48
November	-2.28	30	0.00
December	-3.03	31	0.00

PLEASE NOTE: The seasonal average for precipitation deficit should not be used for calculations because precipitation often exceeds evaporation during wetter months of the year. If the pond is kept full, excess precipitation during wetter months does not serve to refill the pond during drier months.

For example, see Sandpoint KSPT (NWS -- 108137), the annual precipitation deficit is -106 mm. However, April through September have positive precipitation deficit values. To properly estimate the annual volume of water necessary to refill a pond due to evaporation losses, the table will automatically enter a zero (0) for each month that the precipitation value is reported as a negative value.

As described above, precipitation offsets evaporation in winter months, so the net effect is that wintertime precipitation deficit is usually zero.

Total mm/year = 351.81

[(mm/yr) ÷ (convert to feet) ] X (Surface area of pond, in acres) = Evaporation Loss in Acre Feet

351.81

4

304.8

)

44.00

=

50.8 AFA