

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 37-20473

Priority: September 25, 2001

Maximum Diversion Volume: 4.0 AF

It is hereby certified that RALPH CAMPANALE
PO BOX 947

SUN VALLEY ID 83353 has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated September 21, 2001; and has submitted Proof of Beneficial Use on December 05, 2006. An examination confirms water is diverted from:

SOURCE

SPRING

Tributary: UNNAMED STREAM

UNNAMED STREAM

CAMAS CREEK

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>ANNUAL DIVERSION VOLUME</u>
STOCKWATER STORAGE	01/01 to 12/31	4.0 AF

LOCATION OF POINT(S) OF DIVERSION:

SPRING	NE1/4NE1/4SE1/4	Sec. 26, Twp 01S, Rge 15E, B.M.	CAMAS County
UNNAMED STREAM	NE1/4SE1/4	Sec. 26, Twp 01S, Rge 15E, B.M.	CAMAS County

PLACE OF USE: STOCKWATER STORAGE

Twp Rge Sec	NE	NW	SW	SE	Totals
01S 15E 26	NE NW SW SE	NE NW SW SE	NE NW SW SE	NE NW SW SE	X

CONDITIONS OF APPROVAL

1. The right holder shall maintain a low level drain or other means to evacuate the pond in a manner that will provide the watermaster suitable control of the diversion and allow draining of the pond.
2. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 37B.
3. Upon specific notification by the Department, the right holder shall install a lockable device of a type acceptable to the Department in a manner that will provide the watermaster suitable control of the diversion.
4. This right is for the use of trust water and is subject to review 20 years after the issuance of the permit to determine availability of water and to re-evaluate the public interest.
5. Sources known locally as Ryans Spring and Ryans Creek.

State of Idaho
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WATER RIGHT NO. 37-20473

CONDITIONS OF APPROVAL CONTINUED

6. To mitigate for the depletion of water resulting from the use of water under this right and to prevent injury to senior water right holders, the right holder has abandoned the following portions of rights 37-7403 and 37-13369:

Right Nos.	Use	Rate	Volume	Acres
37-740	Irrigation	0.02	4.5 ac-ft	1.5
37-13369	Irrigation	0.03		1.5

The land that will no longer be irrigated under these rights is located within the NE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 23, Township 01S, Range 15E, B.M.

In addition, the permissible place of use on the official record for water rights 37-2218, 37-4297, 37-7403, 37-13369, and 37-21336 will be reduced from 361 acres to 359.5 acres to exclude the abandoned 1.5 acres of irrigation.

The revised combined use limitation for rights 37-2218, 37-4297, 37-7403, 37-13369, and 37-21336 is:

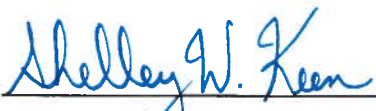
Rights 37-2218, 37-4297, 37-7403, 37-13369, and 37-21336 when combined shall not exceed the irrigation of 359.5 acres.

The revised combined use limitation for rights 37-7403 and 37-21336 is:

Rights 37-7403 and 37-21336 when combined shall not exceed a total diversion rate of 2.52 cfs, a total annual maximum diversion volume of 634.5 af at the field headgate, and the irrigation of 269.5 acres.

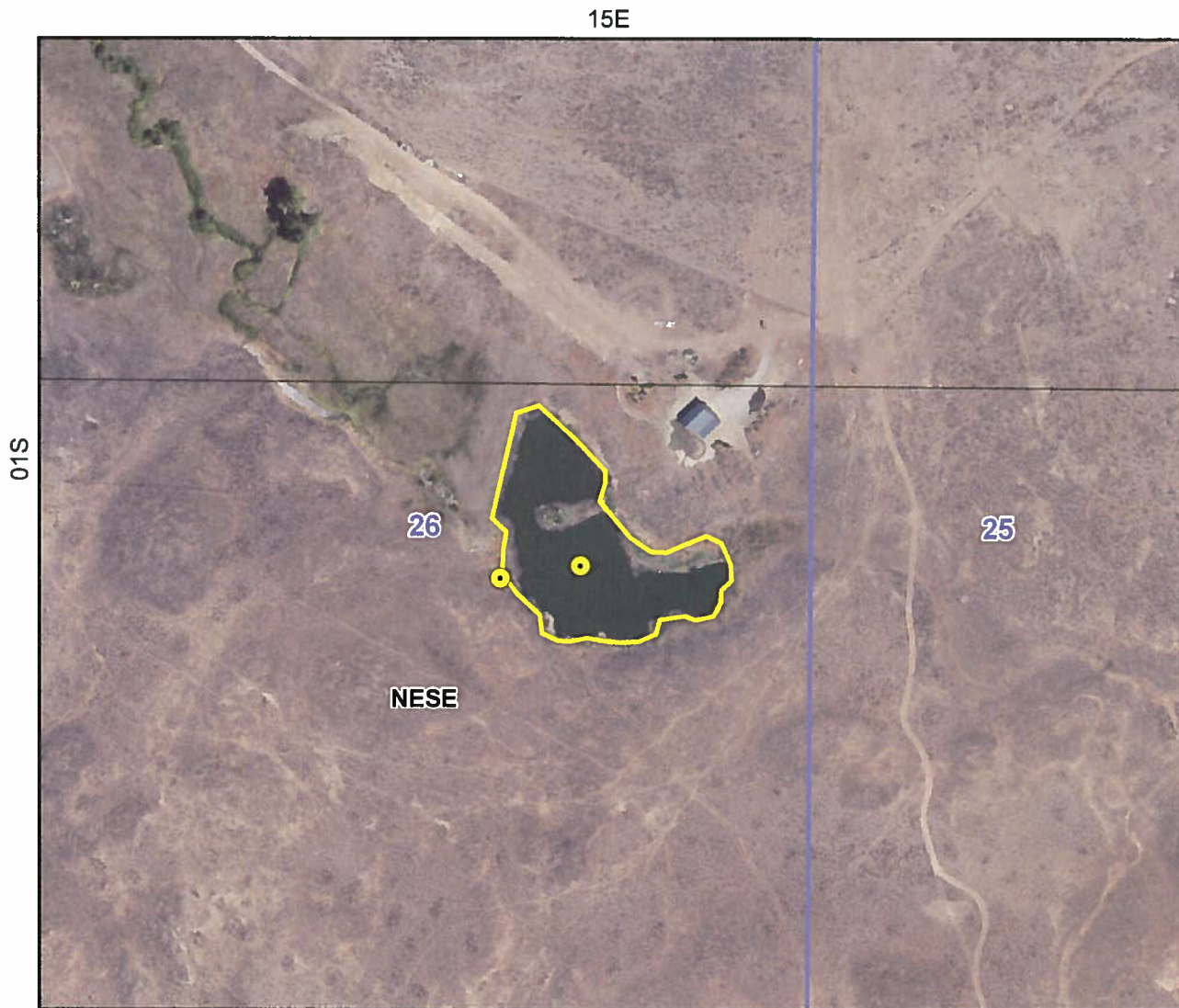
This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 3rd day of September, 2015.


for GARY SPACKMAN
Director

State of Idaho
Department of Water Resources
Attachment To Water Right License
37-20473

This map depicts the STOCKWATER STORAGE place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.035 0.07 0.14 Miles





State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

September 11, 2015

RALPH CAMPANALE
PO BOX 947
SUN VALLEY ID 83353

RE: License No. 37-20473

Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-287-4951.

Sincerely,

Pamela Skaggs

Water Rights Supervisor

Enclosure(s)

c: WATER DISTRICT #37B

CERTIFICATE OF SERVICE

I hereby certify that on September 14, 2015, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved License) to the person(s) listed below:

RE: WATER RIGHT NO.

37-20473

**RALPH CAMPANALE
PO BOX 947
SUN VALLEY ID 83353**

**WATER DISTRICT #37B
RUSTY KRAMER
PO BOX 591
FAIRFILED ID 83327**



**Darla Block
Technical Records Specialist**

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was not held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

MEMORANDUM

20473

FROM: Daniel Nelson – Staff Hydrologist

DATE: April 24, 2015

SUBJECT: Licensing Review for 37-20473

This is the licensing review of the field exam submitted by Sandy Hemenway formerly in our state office. The field exam was done in 2012. The system associated with this permit allowed on stream stockwater storage on an unnamed stream and spring for stockwater purposes. The field exam has some issues that need to be addressed to prior to licensing of the permit.

Diversion Rate:

This pond sits on an unnamed stream, and has a small spring in the middle of the pond that keeps it full. Since the pond is on the unnamed stream and the spring, there is no need for a diversion rate or diversion to storage component for this permit.

Volume:

Ms. Hemenway calculated the capacity of the pond at 7.6 af. I concur with this calculation. The permit only allows 4 af of storage, so Ms. Hemenway sent the owner a new application for permit. According to the attached spreadsheet, the storage component for this permit when seepage and evaporation are included is 22.4 af, so any future permit applications should not be less than 14.8 af.

Mitigation:

This permit was authorized with a condition that required 1.5 acres be retired from water rights 37-7403 and 37-13369. However, after the permit was approved, water right transfer 77329 was filed the changed the place of use for 37-7403 and 37-13369 and three other water rights into a permissible place of use. Ms. Hemenway requested an abandonment of acres acknowledgement for the owner, which he sent showing the 1.5 acres to be retired on water rights 37-4297 and 37-13369. Unfortunately, the Notice of Abandonment of Water Right did not include the correct water rights discussed in the permit or the remaining water rights within the permissible place of use.

I completed an analysis of the place of use to be retired using water rights 37-4297 and 37-13369, and it was determined that there would be an enlargement if these rights were used. Water right 37-4297 is a storage water right, and may or may not fill each year. If it does not fill, then water right 37-7403 could be used on the acres covered by 37-4297. Therefore, a request was made to withdraw the existing abandonment form and submit a new abandonment form for water rights 37-7403 and 37-13369 as stated in the permit condition. The new abandonment form was received on July 30, 2015 with only water rights 37-7403 and 37-13369 being abandoned.

Staff determined that we could adjust the acres in the permissible place of use, and adjust the conditions on all 5 water rights to reflect the retirement of 1.5 acres using the water right license for this permit as the order changing all of the water rights. The diversion rate, volume, and acre amounts for water rights 37-7403 and 37-13369 could also be reduced using the license as the order for changing the permit.

Place Of Use:

The place of use for this permit will be the same recommended by the field examiner. However, the permissible place of use for all of the water rights will be changed to reflect the acres retired as discussed above.

Conditions:

Condition 26A was removed at licensing. Condition 2 was changed to condition 170. The measurement device requirement was waived by the watermaster, so I changed condition 3 to 01M. I also added a condition to discuss the evacuation of the pond. The watermaster did not waive this requirement, but did accept the removal of the rocks in the spillway as being acceptable. I carried forward condition 5 and added condition R55. Condition 170 was needed on this permit, and a the condition needed to a bit of tweaking to address all of the issues. The 170 condition is as follows:

- 170 To mitigate for the depletion of water resulting from the use of water under this right and to prevent injury to senior water right holders, the right holder shall cease diverting and using water as authorized by the following water right for the purposes and amounts specified below. Moreover, the official record for the following water right will be changed to show that diversion and use of water is not authorized because the right, or portion thereof, is being dedicated to mitigation purposes.

Right Nos.	Use Changed to Mitigation	Mitigation Rate	Mitigation Volume	Mitigation Acres
37-7403	Irrigation	0.02	4.5 ac-ft	1.5
37-13369	Irrigation	0.03		1.5

The land that will no longer be irrigated under this right is located within the NESW, Section 23, Township 01S, Range 15E, B.M.

In addition, the permissible place of use on the official record for associated water rights 37-2218, 37-4297, 37-7403, 37-13369, and 37-21336 will be reduced to 359.5 acres to exclude the 1.5 acres used for mitigation authorized under this right.

In addition, the total acres allowed to be irrigated on the official record for associated water rights 37-7403 and 37-13369 will be reduced to exclude the 1.5 acres authorized for mitigation under this right.

Existing combined use limitations will be revised as well. Rights 37-2218, 37-4297, 37-7403, 37-13369, and 37-21336 when combined shall not exceed the irrigation of 359.5 acres. Rights 37-7403 and 37-21336 when combined shall not exceed a total diversion rate of 2.52 cfs, a total annual maximum diversion volume of 634.5 af at the field headgate, and the irrigation of 269.5 acres.

15

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01S15E

Permit 37-20473
Mitigated Acres
By Dan Nelson

The yellow border is the 359.5 acre adjusted place of use for water rights 37-2218, 37-4297, 37-7403, 37-13369, and 37-21336 after the mitigation acres are removed.

The red screened area is the lands requested to be abandoned under water rights 37-7403 and 37-13369.

Unnamed Stream Rights

Permit 37-20473

By Dan Nelson

Basin	Sequence	Diversion Rate (cfs)	Volume (af)	Acres	Rate Per Acre (cfs)	Volume Per Acre (af)
37	2218	2.70	n/a	135	0.020000	n/a
37	13369	3.64	n/a	182	0.020000	n/a
TOTAL		6.34		317	0.020000	n/a

Unnamed Stream Storage Rights

Basin	Sequence	Diversion Rate (cfs)	Volume (af)	Acres	Rate Per Acre (cfs)	Volume Per Acre (af)
37	4297	n/a	246	120	n/a	2.05
TOTAL		n/a	246	120	n/a	2.05

Ground Water Rights

Basin	Sequence	Diversion Rate (cfs)	Volume (af)	Acres	Rate Per Acre (cfs)	Volume Per Acre (af)
37	7403	2.54	639	213	0.011925	3
37	21336	0.70	174	58	0.012069	3
TOTAL		2.54	639	271	0.009373	2.357933579

Mitigation Required by Permit

Basin	Sequence	Diversion Rate (cfs)	Volume (af)	Acres	Rate Per Acre (cfs)	Volume Per Acre (af)
37	7403	0.01789	4.5	1.5	0.011925	3
37	13369	0.03000	n/a	1.5	0.020000	n/a
TOTAL		0.04789		1.5	0.031925	
Standard Per Acre		0.03	5.25	1.5	0.02	3.5

Abandoned Rights

Basin	Sequence	Diversion Rate (cfs)	Volume (af)	Acres	Rate Per Acre (cfs)	Volume Per Acre (af)
37	4297		3.075	1.5		2.05
37	13369	0.03000	n/a	1.5	0.020000	n/a
TOTAL		0.03000		1.5	0.020000	
Standard Per Acre		0.03	5.25	1.5	0.02	3.5

Total Storage Calculations

FILE NUMBER	67-20473
REVIEWER	Dan Nelson
DATE	5/23/2015

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated Value
Formula Explanations

Surface Area (AC.)	1.9	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	4	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	7.6	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.

Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	5	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	4.9	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	4.9	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	22.4	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.

Flow Rate into Pond (CFS)	1.00	The "Flow Rate into Pond" depicts the actual flow, either measured or estimated, into the pond. For offstream facilities, this will be equivalent to "diversion to storage" rate.
Highest Daily Evaporation Rate From Evaporation Tab. (mm/Day)	5.10	This number is carried over from the "Evaporation Loss" sheet. It is the highest recorded number in the "Precipitation Deficit Table".
Required Daily Maintenance Volume (AF/Day)	0.05	"Required Daily Maintenance Volume" is the maximum volume of water needed on any given day during the year to maintain pond volume. It is calculated by adding the highest daily evaporation loss to the average daily seepage loss in acre feet. The average daily seepage loss is calculated by dividing the "Estimated Seepage Loss" by 365 days. This is acceptable, since the seepage rate shouldn't vary throughout the season unless the pond completely freezes over during the winter months. The highest daily evaporation loss is calculated by dividing the Highest Daily Evaporation Rate by the 304.8 conversion factor and multiplying this number by the pond surface area to attain a combined daily acre feet requirement.
Minimum Maintenance Flow (CFS)	0.02	The "Minimum Maintenance Flow" is the minimum amount of flow required to maintain the level of the pond. This number is determined by dividing the "Maximum Required Daily Maintenance Volume" by 1.9835. This flow can be used to determine if the flow rate into the pond is adequate to maintain the pond level.
Days Required to Fill the Pond	4	The "Days Required to Fill the Pond" is calculated by dividing the "Pond Capacity" by the "Flow Rate" minus "Minimum Maintenance Flow" multiplied by 1.9835. This section will assist you in determining if the flow rate being diverted to the pond is adequate to fill the pond while maintaining the pond level. The length of time to fill the pond will help determine if the flow rate is adequate for the size of pond being proposed. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond.
Days Required to Fill the Pond at 13,000 Gallons per Day	1403	Some water users may want to fill a pond under the 13,000 gallons per day domestic exemption. The "Days Required to Fill the Pond at 13,000 Gallons per Day" is calculated by converting the "Pond Capacity" and the "Required Daily Maintenance Volume" to gallons. The "Pond Capacity" is then divided by 13,000 gallons minus the "Required Daily Maintenance Volume" in gallons to determine the number of days to fill pond. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond. Negative values indicate that the supply of 13,000 gallons per day is not enough volume to overcome the required daily maintenance volume; the pond will never fill.

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	37-20473
REVIEWER	Dan Nelson
DATE	4/23/2015

User Input
Calculated value
Formula Explanations

The acronyms used on the Kimberly Research Center website are defined below:
P = Precipitation
ET= Evapotranspiration
P _d = Precipitation deficit
P _d =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: Twin Falls 2 NNE (NWS -- 109294)

Month	mm/day ¹	Days per month	mm/Month
Jan	-1.32	31	0.00
Feb	-0.58	28	0.00
March	0.65	31	20.15
April	2.26	30	67.80
May	3.54	31	109.74
June	4.31	30	129.30
July	5.10	31	158.10
August	4.44	31	137.64
September	3.21	30	96.30
October	2.17	31	67.27
November	-0.72	30	0.00
December	-1.33	31	0.00

Total mm/year = 786.30

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.

$$[(\text{mm/yr}) \div (\text{convert to feet})] \times (\text{Surface area of pond, in acres}) = \text{Evaporation Loss in Acre Feet}$$

$$(786.30 \div 304.8) \times 1.90 = 4.9 \text{ AFA}$$

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	37-20473
REVIEWER	Dan Nelson
DATE	4/23/2015

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	1.9	AC.
-------------------------	-----	-----

Pond Surface Area (SQ. FT.)	82764	SQ. FT.
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I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	SC	
Suggested Seepage Rate (FT./DAY)	0.0070	FT./DAY

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss
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Convert to GPD	4334	GPD
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Total Seepage Loss (AFA)	4.9	AFA
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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.

ET Idaho 2012 -- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

Please send suggestions for improving this site to robison at kimberly dot uidaho dot edu Copyright 2012, University of Idaho.

Fairfield (NWS -- 103108)

Statistics based on thirty year normal spans 1960 to 2010 years

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 - small stock ponds															
Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Mean ^j	mm/day												mm		
Monthly ^c	-1.32	-0.58	0.65	2.26	3.54	4.31	5.10	4.44	3.21	2.17	-0.72	-1.33	667	0	667
15-Day Moving Average ^d	-1.52	-0.88	0.63	2.34	3.49	4.33	5.21	4.35	3.12	2.15	-0.79	-1.38			
7-Day Moving Average ^e	-1.43	-0.72	0.64	2.27	3.51	4.29	5.18	4.43	3.14	2.14	-0.81	-1.36			
3-Day Moving Average ^f	-1.35	-0.58	0.65	2.27	3.54	4.31	5.11	4.44	3.18	2.16	-0.76	-1.33			
Standard Deviation ^k	mm/day												mm		
Monthly ^c	1.94	1.22	1.20	0.92	1.59	1.04	0.99	1.49	1.07	1.19	1.36	2.22	134	0	134
15-Day Moving Average ^d	2.17	1.80	1.19	1.13	1.68	1.40	0.87	1.51	1.38	1.15	1.69	2.21			
7-Day Moving Average ^e	2.82	2.49	1.55	1.68	2.09	1.97	1.28	1.70	1.75	1.67	2.21	2.86			
3-Day Moving Average ^f	3.66	3.03	2.17	2.33	2.63	2.57	1.95	2.12	2.27	2.11	3.02	3.60			
20% Exceedance ^l	mm/day												mm		
Monthly ^c	-0.28	0.52	1.04	3.00	4.22	5.20	5.59	5.19	4.04	2.87	0.22	-0.30	755	0	755
15-Day Moving Average ^d	0.72	1.09	1.96	3.90	5.45	5.99	6.08	5.58	4.66	3.46	1.19	0.52			
7-Day Moving Average ^e	1.02	1.50	2.31	4.55	6.20	6.54	6.44	5.94	5.17	4.05	1.89	0.85			
3-Day Moving Average ^f	1.14	1.75	2.89	5.56	6.72	7.06	6.79	6.25	5.46	4.59	2.48	1.05			
	mm/day												mm		

JUL 30 2015

DEPARTMENT OF
WATER RESOURCESSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Notice of Abandonment of Water Right

Print Name of Water Right Owner(s): Ralph CampanaleMailing Address: P.O. Box 997, Sun Valley ID
83353Phone: (208) 720-8172
726 6263

Note: If you are not listed as the current owner of the water right in the Idaho Department of Water Resources' records, you must include evidence of ownership of the water right (or portion of the water right) with this form. Evidence may include a warranty deed, quitclaim deed, court decree, contract of sale, etc.

I am the current owner of X all, or part of, the water right described in the Idaho Department of Water Resources' records as Water Right No. 37-13369 and 37-7403

I hereby abandon all, or X part of the water right designated above. This abandonment is intentional and voluntary. I recognize that this abandonment permanently eliminates the right to divert and use water under the water right designated above.

If this abandonment applies to a portion of the water right, please indicate which part is abandoned by describing the diversion rate, annual diversion volume or storage volume, and place of use (include acres if the use is irrigation) and by attaching a detailed map identifying the specific locations.

1.5 acres T15R15E section 23 NE SW

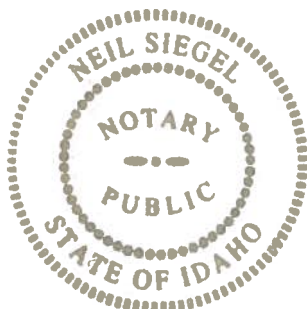
R. Campanale 7/21/15
Signature of Water Right Owner(s) or Authorized Representative Date

Ralph Campanale - owner
Print Name and Title of Authorized Representative
(Complete if applicable and include your authority to act on behalf of the water right owner)

State of Idaho)
County of Blaine) ss

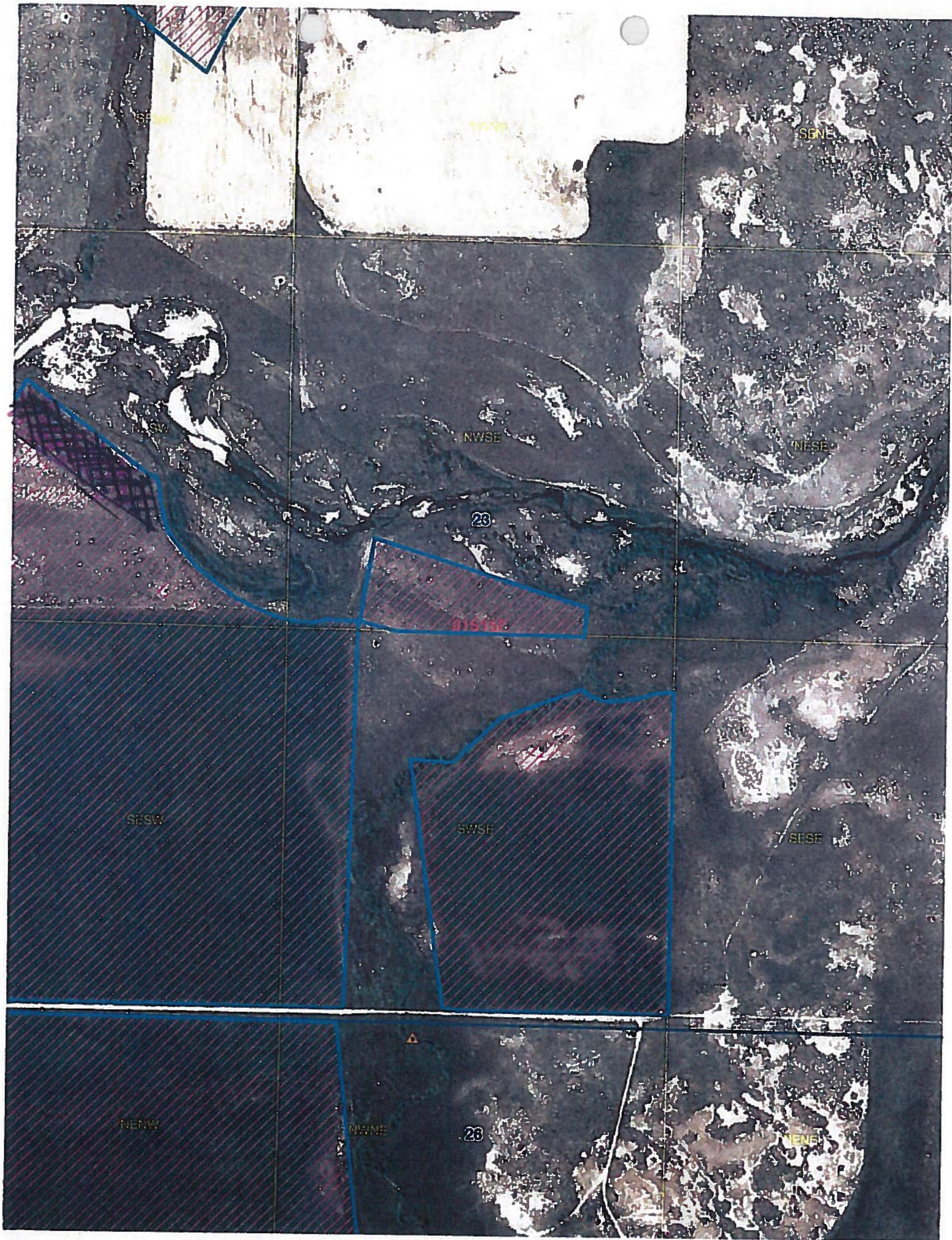
On this 21st day of July, 2015, the signer(s) of the above instrument appeared before me and duly acknowledged to me that he/she executed the same.

SEAL



Phil Siegel
Notary Public

My commission expires: 8/16/2017



Hemenway, Sandy

From: Ralph Campanale MD [rcampanalemd@qwestoffice.net]
Sent: Monday, January 27, 2014 5:31 PM
To: Hemenway, Sandy
Subject: Re: FW: 37-20473 abandonment map (for 1.5 acres) and form
Attachments: ranch map.pdf

Dear Sandy,
hopefully this map will scan well. I drew in the portion I am willing to take the 1.5 acres from, and would start at the northern most border, working south to make the 1.5 acres. I will be in the office tomorrow (1/28) so hopefully we can complete this then.

Thanks,
Ralph

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Wednesday, January 15, 2014 11:22 AM
To: Ralph Campanale
Cc: Hemenway, Sandy
Subject: RE: maps for sections 23 and 26
Attachments: DOC007.pdf

Ralph,

Here is a scanned copy of a map for Section 23 SWSE and SWSE. On the map, it shows the acres that currently have water rights and the acres they cover. Please designate the 1.5 acres from the acres covered under a water right, which you plan to abandon. Please submit your map with the abandonment form.

Thanks,

Sandy

From: Ralph Campanale [<mailto:rcampanale@cox.net>]
Sent: Wednesday, January 15, 2014 9:01 AM
To: Hemenway, Sandy
Subject: RE: maps for sections 23 and 26

Sandy Thanks for the maps. The area I'd like to give up is on the border between SWSE and NWSE of section 23. IF you could send me a n enlargement of this area I can specifically designate the 1.5 acres. As always, I appreciate all of your help! Ralph

From: Hemenway, Sandy [<mailto:Sandy.Hemenway@idwr.idaho.gov>]
Sent: Wednesday, January 08, 2014 2:09 PM
To: Hemenway, Sandy; rcampanale@cox.net
Subject: maps for sections 23 and 26
Importance: High

Check these maps out for sections 23 and 26, and if you can narrow it down to a quarter-quarter, I will zoom in close so you can designate the 1.5 acres you plan to abandon. If that's too hard, let me know and I will send you a map for each quarter-quarter.

Sandy



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

July 9, 2015

RALPH CAMPANALE
PO BOX 947
SUN VALLEY ID 83353

RE: Additional Information Request for Permit 37-20473

Dear Campanale:

On December 7, 2001, water right permit 37-20473 was issued to you for Stockwater Storage for a pond in the NESE quarter of Section 26, Township 1 South, Range 15 East. Sandy Hemenway from this office performed a field examination for this permit, and found that you had developed the pond described in the permit. On December 18, 2013, Ms. Hemenway sent you a letter giving you the opportunity to meet the following condition:

Water shall not be stored under this right until the applicant formally notifies the Department that he has permanently abandoned the right to irrigation of 1.5 acres under water rights 37-7403 and 37-13369. The formal notice shall also specify the $\frac{1}{4}$ $\frac{1}{4}$ description from which the 1.5 acres will be removed. Your license is also based on the field examination that was previously conducted.

Ms. Hemenway allowed 14 days to submit the information or the permit was to be voided. On February 14, 2014, the Department received your notice of abandonment of water with a map showing the acres to be abandoned. However, the abandonment form has water rights 37-4297 and 37-13369 instead of 37-7403 and 37-13369. Ms. Hemenway retired from the Department before she could review your abandonment form and proceed with the processing of your permit. I have been assigned Ms. Hemenway's files to complete the licensing process.

The abandonment form you sent proposes to retire 37-4297 (an irrigation storage right) instead of water right 37-7403 (a ground water irrigation right). After working through an analysis of the two rights, we cannot accept the retirement of 1.5 acres from 37-4297 for the required retirement of 1.5 acres from 37-7403. The two water rights are from two separate sources, and 37-4297 is junior to other storage water rights that could result in water not being available under that water right.

Therefore, I have attached a new "Notice of Abandonment" for you to retire the correct water right required to be retired for mitigation for permit 37-20473. If we do not receive a corrected abandonment form showing 1.5 acres of water rights 37-7403 and 37-13369 are abandoned as required in the condition for permit 37-20473, then we will need to move the process forward to void permit 37-20473.

If I do not receive the requested information from you within thirty (30) days or by August 10, 2015, I will take action to void your permits under the provision of Section 42-219(8) of the Idaho Code. If you agree that no beneficial use of water occurred under one or more of the permits listed, you can shorten the voiding process by completing the enclosed relinquishment form for each permit affected and returning it to IDWR.

Respectfully,

A handwritten signature in dark ink, appearing to read "Daniel A. Nelson", with a long, sweeping horizontal line extending to the right.

Daniel A. Nelson
Staff Hydrologist
Telephone # (208) 287-4867
Fax (208) 287-6700 (attn: Dan Nelson)
Email dan.nelson@idwr.idaho.gov

Enclosure(s): Notice of Abandonment Form
Relinquishment Form

WITHDRAWNSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCESRECEIVED
FEB 14 2014
DEPARTMENT OF
WATER RESOURCES**Notice of Abandonment of Water Right**Print Name of Water Right Owner(s): Ralph Campanale
Mailing Address: P.O. Box 947, Sun Valley ID
83353 Phone: 208/726-6263

Note: If you are not listed as the current owner of the water right in the Idaho Department of Water Resources' records, you must include evidence of ownership of the water right (or portion of the water right) with this form. Evidence may include a warranty deed, quitclaim deed, court decree, contract of sale, etc.

I am the current owner of X all, or part of, the water right described in the Idaho Department of Water Resources' records as Water Right No. 37-13369 and 37-4297

I hereby abandon all, or X part of the water right designated above. This abandonment is intentional and voluntary. I recognize that this abandonment permanently eliminates the right to divert and use water under the water right designated above.

If this abandonment applies to a portion of the water right, please indicate which part is abandoned by describing the diversion rate, annual diversion volume or storage volume, and place of use (include acres if the use is irrigation) and by attaching a detailed map identifying the specific locations.

1.5 acres
T15R15E section 23 NESW (NE 1/4 of
SW 1/4)R. Campanale 1/29/14
Signature of Water Right Owner(s) or Authorized Representative DateRalph Campanale, owner Kelly ranch
Print Name and Title of Authorized Representative
(Complete if applicable and include your authority to act on behalf of the water right owner)State of Idaho)
County of Blaine) ss

On this 29th day of January, 2014, the signer(s) of the above instrument appeared before me and duly acknowledged to me that he/she executed the same.

SEAL

Neil Siegel
Notary PublicMy commission expires: 8/16/2017



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

December 18, 2013

RALPH CAMPANALE
PO BOX 947
SUN VALLEY ID 83353

RE: Licensing Review for Water Right No. 37-20473
Conditions for Approval

Dear Water Right Holder(s):

After our phone conversation today, and you stating that you did not receive the November 12, 2013 letter, I am resending it, but am correcting the amount of acre-feet volume that was confirmed (7.6 AF), and the amount that should be filed on with a new application for permit (3.6 AF).

I am currently conducting the licensing review for water right No. 37-20473. Here is the following condition that must be met prior to Licensing:

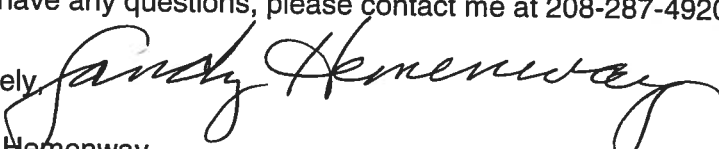
Water shall not be stored under this right until the applicant formally notifies the department that he has permanently abandoned the right to irrigation 1.5 acres under Water Rights 37-7403 and 37-13369. The formal notice shall also specify the $\frac{1}{4}$ $\frac{1}{4}$ description from which the 1.5 acres will be removed. Your license is also based on the field examination that was previously conducted.

Please complete and return the attached Notice of Abandonment of Water Right form within 14 days, and a map designating the 1.5 acre portion that will be abandoned. If not received within 14 days, water right 37-20473 will be **voided**.

While conducting the field examination for water right 37-20473, it was confirmed that you are storing/appropriating 7.6 acre-feet, which exceeds the volume authorized by this right. The Department conducted a search and was unable to find other water rights that authorized the additional storage appropriation. **You will need to file an application for permit for the additional 3.6 acre-feet volume not authorized under this or other water rights. Please complete the application for permit form and return it with the attached map and pictures taken from the field examination.**

If you have any questions, please contact me at 208-287-4920.

Sincerely,


Sandy Hemenway
Sr. Water Resource Agent

Enclosure(s)
Abandonment Form; Application for Permit; Instructions for Permit; Map; November 12, 2013 letter.



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

November 12, 2013

RALPH CAMPANALE
PO BOX 947
SUN VALLEY ID 83353

RE: Licensing Review for Water Right No. 37-20473
Conditions for Approval

Dear Water Right Holder(s):

I am currently conducting the licensing review for water right No. 37-20473. Here is the following condition that must be met prior to Licensing:

Water shall not be stored under this right until the applicant formally notifies the department that he has permanently abandoned the right to irrigation 1.5 acres under Water Rights 37-7403 and 37-13369. The formal notice shall also specify the ¼ ¼ description from which the 1.5 acres will be removed. Your license is also based on the field examination that was previously conducted.

Please complete and return the attached Notice of Abandonment of Water Right form within 14 days, and a map designating the 1.5 acre portion that will be abandoned. If not received within 14 days, water right 37-20473 will be **voided**.

While conducting the field examination for water right 37-20473, it was confirmed that you are storing/appropriating 17.1 acre-feet, which exceeds the volume authorized by this right. The Department conducted a search and was unable to find other water rights that authorized the additional storage appropriation. You will need to file an application for permit for the additional 13.1 acre-feet volume not authorized under this or other water rights. **Please complete the application for permit form and return it with the attached map and pictures taken from the field examination.**

If you have any questions, please contact me at 208-287-4920.

Sincerely,


Sandy Hermerway
Sr. Water Resource Agent

Enclosure(s)

Hemenway, Sandy

From: Kevin Lakey [watermanager@cableone.net]
Sent: Tuesday, November 12, 2013 11:53 AM
To: Hemenway, Sandy
Subject: RE: 37-20473 Ralph Campanale

Sandy,

I apologize for not getting back to you from your last email on this one. I was still scratching my head. Removing rocks from the spillway seems like an awfully crude way to drain the pond, because it provides no guarantee that the rocks couldn't be replace and the pond refilled. But, the location and volumes of water on this looks like a futile call if a call on the water was ever made.....Still scratching my head..... Given the conditions of the situation and its location, I would allow that the drain system be simply removing rocks from the spillway.

Kevin Lakey

From: Hemenway, Sandy [<mailto:Sandy.Hemenway@idwr.idaho.gov>]
Sent: Tuesday, November 12, 2013 9:37 AM
To: Kevin Lakey
Cc: Hemenway, Sandy
Subject: RE: 37-20473 Ralph Campanale
Importance: High

Kevin,

Is removing the rocks from the spillway, a method that you would approve for draining the pond?

Sandy

From: Kevin Lakey [<mailto:watermanager@cableone.net>]
Sent: Thursday, November 07, 2013 2:02 PM
To: Hemenway, Sandy
Subject: RE: 37-20473 Ralph Campanale

Sandy,

I would agree that the lockable device in this scenario could be waived, as long as there is a way to drain the pond.

Kevin Lakey

From: Hemenway, Sandy [<mailto:Sandy.Hemenway@idwr.idaho.gov>]
Sent: Thursday, November 07, 2013 9:03 AM
To: watermanager@cableone.net
Cc: Hemenway, Sandy
Subject: 37-20473 Ralph Campanale
Importance: High

Hi Kevin,

I am currently conducting the licensing review for water right 37-20473 Ralph Campanale. I have attached a copy of the water permit proof report, an arc map imagery, and pictures taken at the time of the field examination.

waiver for lockable device + drain¹

One of the conditions on the permit was :

"The applicant shall install a low level drain or other means to evacuate the pond and a lockable device of a type acceptable to the Department in a manner that will provide the water master suitable control of the diversion and allow draining of the pond."

At the dam, there is a lower level rockway/spillway that allows continuous flow through the pond, and if the pond was needed to be drained, the rocks could be removed allowing drainage of the pond. What I did not find though was a lockable device. I don't know how one could be installed or where, and I was wondering if this part of the condition could be waived since the sources for this pond are springs and the unnamed stream?

Thanks so much,

Sandy Hemenway
Sr. Water Resource Agent
IDWR State Office
PO Box 83720
Boise, ID 83720-0098
(208)287-4920
Sandy.hemenway@idwr.idaho.gov