

RECEIVED

OCT 13 2021

FORM 202 Rev. 09/16

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 65-24056

1. Name of applicant(s) Gordon O. Hansen Phone (208) 878-5869
 Mailing address 2165 Overland Ave City Burley
 State Idaho ZIP 83318 Email gordy@idahowatersports.com
2. Name of representative, if any Gregg Tankersley Phone (208) 634-4140
 Mailing address PO Box 2330 City McCall
 State Idaho ZIP 83638 Email gtankersley@crestline-eng.com
- a. ☐ Send all correspondence for this application to the representative and not to the applicant OR
☒ Send original correspondence to the applicant and copies to the representative.
- b. ☒ The representative may submit information for the applicant but is not authorized to sign for the applicant OR
☐ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation.
3. Source of water supply Ground Water which is a tributary of N/A
4. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
18N	3E	28		NW	NE		Valley	Ground Water	

5. Water will be used for the following purposes:

YOS Amount 2.4 ~~2.01~~ acre-feet for Fire Protection/Recreation purposes from Jan. 1 to Dec. 31 (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

6. Total quantity to be appropriated is (a) N/A cubic feet per second (cfs) and/or (b) 2.4 ~~2.01~~ YOS acre-feet per year (af).

7. Proposed diverting works:

- a. Describe type and size of devices used to divert water from the source. Excavation of approximately 0.25 - 0.50 Acre Pond.
- b. Height of storage dam N/A feet; active reservoir capacity N/A acre-feet; total reservoir capacity 2.01-2.4 YOS acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 12. For dams 10 feet or more in height AND having a storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☒ No
- c. Proposed well diameter is N/A inches; proposed depth of well is N/A feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No
- e. If well is already drilled, when? N/A; drilling firm N/A;
 well was drilled for (well owner) N/A; Drilling Permit No. N/A

For Department Use

Received by _____ Date _____ Time _____ Preliminary check by _____
 Fee \$ _____ Receipted by _____ Receipt No. _____ Date _____

AMENDED

8. Description of proposed uses (if irrigation only, go to item 9):

- a. Hydropower; show total feet of head and proposed capacity in kW. N/A
- b. Stockwatering; list number and kind of livestock. N/A
- c. Municipal; must complete and attach the [Municipal Water Right Application Checklist](#).
- d. Domestic; show number of households N/A
- e. Other; describe fully. Pond to be used for fire protection water and recreation.

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
18N	3E	28		F/R															N/A

Total number of acres to be irrigated: N/A

10. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? Fire protection and recreational pond.

- 11. a. Who owns the property at the point of diversion? Same as applicant.
- b. Who owns the land to be irrigated or place of use? N/A
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: N/A

12. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Excavation of a fire protection and recreational pond. Pond will be filled seasonally by ground water. The need for supplemental water is not anticipated at this time.

13. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).

14. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map or maps clearly identifying the proposed point of diversion, place of use, section #, township & range. The map scale shall not be less than two (2) inches equal to one (1) mile.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Gordon O. Hansen

Signature of Applicant

Gordon O. Hansen

Print Name (and title, if applicable)

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Application for Permit
AMENDED

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	65-24056
REVIEWER	Aaron Olson
DATE	10/13/2021

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	0.3	AC.
-------------------------	-----	-----

Pond Surface Area (SQ. FT.)	13257	SQ. FT.
-----------------------------	-------	---------

I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	GrndWtr	
Suggested Seepage Rate (FT./DAY)	0.0000	FT./DAY

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

Convert to GPD	0	GPD
----------------	---	-----

Total Seepage Loss (AFA)	0.0	AFA
--------------------------	-----	-----

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

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DATE	10/13/2021

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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: McCall (NWS -- USC00105708)

Month	mm/day ¹	Days per month	mm/Month
Jan	-1.98	31	0.00
Feb	-1.22	28	0.00
March	-1.12	31	0.00
April	0.41	30	12.30
May	0.97	31	30.07
June	1.79	30	53.70
July	3.57	31	110.67
August	3.07	31	95.17
September	1.73	30	51.90
October	0.13	31	4.03
November	-2.00	30	0.00
December	-2.20	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 = 357.84

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

(357.84 ÷ 304.8) X 0.30 = 0.4 AFA

Total Storage Calculations

FILE NUMBER	65-24056
REVIEWER	Aaron Olson
DATE	10/13/2021

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.)	0.3	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	6.7	"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)	2.01	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)	0	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)	0.0	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.4	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	2.4	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)	3.57	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)	0.00	"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)	0.00	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	1	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	55	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.



CRESTLINE ENGINEERS, INC.
CIVIL ENGINEERING CONSULTANTS
323 DEINHARD LANE, SUITE C
PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634-4146 FAX

PROJECT: Jango Acres/Idaho Water Sports
McCall

CLIENT: IWS, LLC.

JOB NO.: 20025 DATE: 29-Jul-21

BY: GW

REVISION DATE: _____

RE: Jango Acres/Idaho Water Sports McCall

Pond Volume Calculations

	Elev. (ft)	Height (ft)	Area 1 (ft ²)	Area 2 (ft ²)	Total (ft ²)	Volume (ft ³)
Fire Protection Pond						
Top	5084.00					
Overflow (Natural)	5083.00	1.00	13,257.6		13,257.6	
	5082.00	1.00	11,117.3		11,117.3	12,187.5
	5081.00	1.00	9,106.5		9,106.5	10,111.9
	5080.00	1.00	8,370.9		8,370.9	8,738.7
	5079.00	1.00	7,673.6		7,673.6	8,022.2
	5078.00	1.00	6,941.4		6,941.4	7,307.5
	5077.00	1.00	6,234.0		6,234.0	6,587.7
	5076.00	1.00	5,504.8		5,504.8	5,869.4
	5075.00	1.00	4,847.6		4,847.6	5,176.2
	5074.00	1.00	4,323.3		4,323.3	4,585.4
	5073.00	1.00	3,808.9		3,808.9	4,066.1
	5072.00	1.00	3,304.3		3,304.3	3,556.6
	5071.00	1.00	2,809.6		2,809.6	3,057.0
	5070.00	1.00	2,324.8		2,324.8	2,567.2
	5069.00	1.00	1,849.9		1,849.9	2,087.3
	5068.00	1.00	1,384.8		1,384.8	1,617.3
	5067.00	1.00	573.0	360.4	933.3	1,159.1
Bottom	5066.00	1.00	414.7	256.1	670.8	802.1
Total Volume:						87,499

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Complete

AUG 16 2021

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

WATER RESOURCES
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 (cfs or acre-feet per year)

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- a. Describe type and size of devices used to divert water from the source. Excavation of approximately 0.25 - 0.50 Acre Pond.
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- c. Proposed well diameter is N/A inches; proposed depth of well is N/A feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No
- e. If well is already drilled, when? N/A; drilling firm N/A;
 well was drilled for (well owner) N/A; Drilling Permit No. N/A

For Department Use

Received by _____ Date _____ Time _____ Preliminary check by AO
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Superseded by Oct 13, 2021

8. Description of proposed uses (if irrigation only, go to item 9):

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- Municipal; must complete and attach the [Municipal Water Right Application Checklist](#).
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- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
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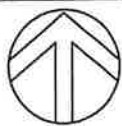
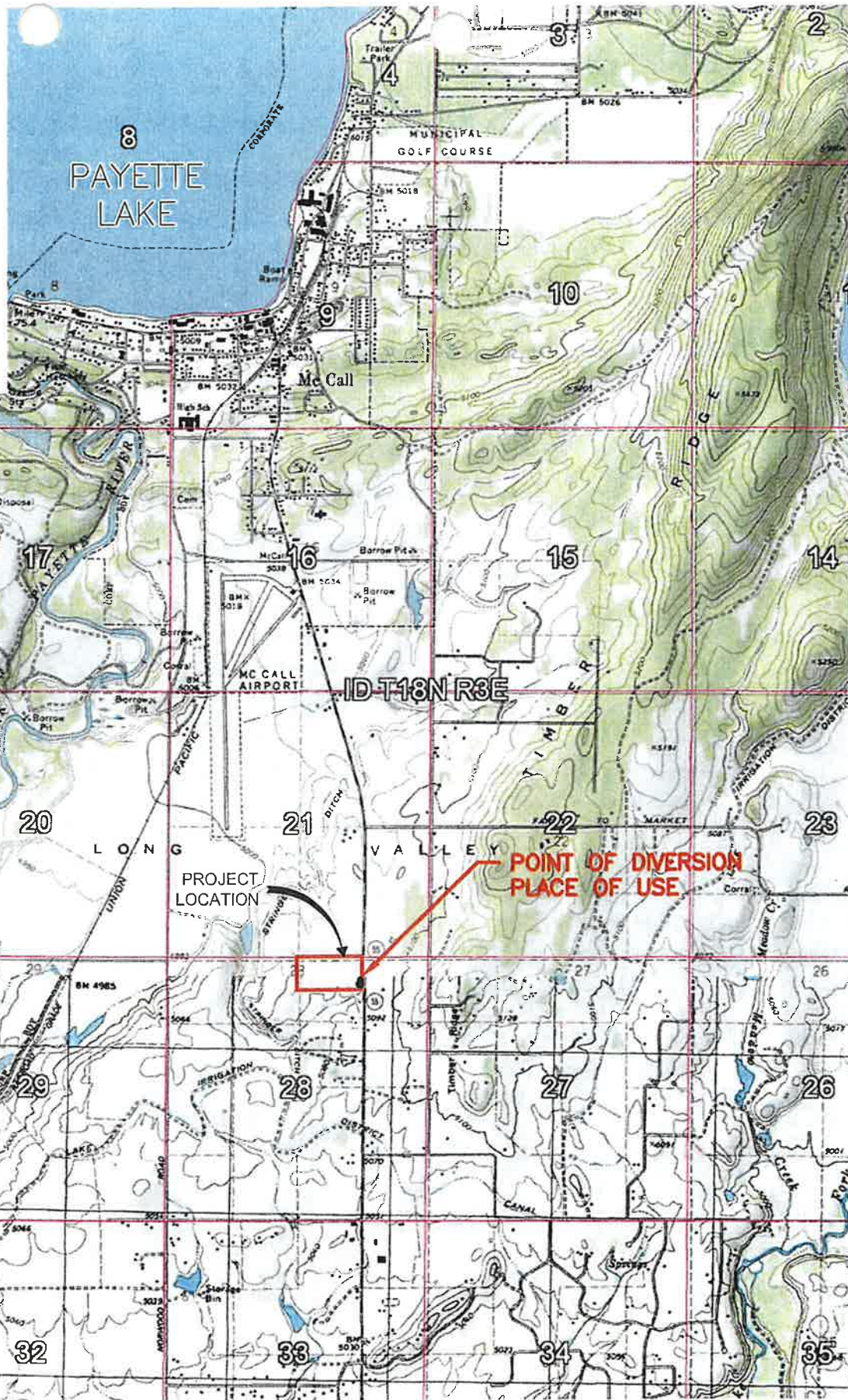
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Signature of Applicant

Gordon O. Hansen
Print Name (and title, if applicable)

Signature of Applicant

Print Name (and title, if applicable)



NORTH
SCALE: 1" = 3000'

CRESTLINE
ENGINEERS

323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

JANGO ACRES/IDAHO WATER SPORTS McCALL
VICINITY MAP

PROJECT	20025	DRAWN	FIGURE NO.
DATE	7/23/2021	AMD	1 OF 1

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DEPARTMENT OF WATER RESOURCES
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 Fee \$ 100.00 Receipted by LE Receipt No. W049653 Date 08/02/2021

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18N	3E	28		F/R															N/A

Total number of acres to be irrigated: N/A

10. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? Fire protection and recreational pond.

11. a. Who owns the property at the point of diversion? Same as applicant.
- b. Who owns the land to be irrigated or place of use? N/A
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: N/A

12. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Excavation of a fire protection and recreational pond. Pond will be filled seasonally by ground water. The need for supplemental water is not anticipated at this time.

13. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).

14. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map or maps clearly identifying the proposed point of diversion, place of use, section #, township & range. The map scale shall not be less than two (2) inches equal to one (1) mile.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Gordon O. Hansen
Signature of Applicant
Gordon O. Hansen
Print Name (and title, if applicable)

Signature of Applicant

Print Name (and title, if applicable)



IDAHO DEPARTMENT OF
WATER RESOURCES

Western Region • 2735 W Airport Way • Boise, ID 83705-5082

Phone: 208-334-2190 • Fax: 208-334-2348 • Email: westerninfo@idwr.idaho.gov • Web: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

October 27, 2021

GORDON HANSEN
2165 OVERLAND AVE
BURLEY, ID 83318-2927

RE: Application for Permit No. 65-24056

Dear Applicant:

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the STAR NEWS on 11/4/2021 and 11/11/2021. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the application.

Sincerely,



Denise Lauerman
Administrative Assistant

CC:

GREGG TANKERSLEY
PO BOX 2330
MCCALL, ID 83638-2330

Lauerman, Denise

From: Lauerman, Denise
Sent: Wednesday, October 27, 2021 3:24 PM
To: The Star-News
Subject: VALLEY COUNTY Legal Notice - Application for Permit No. 65-24056
Attachments: Cover Letter Valley County 65-24056.docx; Legal Notice Valley County 65-24056.docx

Good afternoon,

Please see the attached ad for publication on 11/04/2021 and 11/11/2021.

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 11/22/2021. Your cooperation is appreciated.

Please *confirm this is okay to publish as shown and send confirmation and all other correspondence to this email.*

Thanks much!
Denise



Denise Lauerman | Administrative Assistant
Idaho Department of Water Resources - Western Region
2735 W Airport Way, Boise ID 83705
(208) 334.2190 | denise.lauerman@idwr.idaho.gov



IDAHO DEPARTMENT OF
WATER RESOURCES

Western Region • 2735 W Airport Way • Boise, ID 83705-5082

Phone: 208-334-2190 • Fax: 208-334-2348 • Email: westerninfo@idwr.idaho.gov • Web: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

October 27, 2021

LEGAL NOTICE DEPARTMENT
STAR NEWS
1000 1ST ST
MC CALL, ID 83638

RE: Application for Permit No. 65-24056

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 11/22/2021. Your cooperation is appreciated.

Sincerely,

Denise Lauerman
Administrative Assistant

Enclosures

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

65-24056

GORDON HANSEN

2165 OVERLAND AVE

BURLEY, ID 83318-2927

Point of Diversion NWNE S28 T18N R03E VALLEY County Source GROUND WATER

Use: FIRE PROTECTION STORAGE 01/01 to 12/31 2.4 AF

Use: RECREATION STORAGE 01/01 to 12/31 2.4 AF

Total Diversion: 2.4 AF

Date Filed: 08-16-2021

Place Of Use: FIRE PROTECTION STORAGE, RECREATION STORAGE

T18N R03E S28 NWNE

Permits will be subject to all prior water rights. For additional information concerning the property location, contact the Western office at (208)334-2190; or for a full description of the right(s), please see <https://idwr.idaho.gov/apps/ExtSearch/WRAApplicationResults/>. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 W AIRPORT WAY, BOISE ID 83705-5082 together with a protest fee of \$25.00 for each application on or before 11/22/2021. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 11/4/2021 and 11/11/2021

Olson, Aaron

From: Rob Pair <rpair@crestline-eng.com>
Sent: Wednesday, October 13, 2021 2:19 PM
To: Olson, Aaron
Cc: Gregg Tankersley; Gordy Hansen (gordy@idahowatersports.com)
Subject: Revised Permit 65-24056
Attachments: 20025_pond-loss-calculations.pdf; 20025_StormwaterCalcs-Pond.pdf; 20025_ApplicationWaterRights_211013_signedGH.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Aaron,

Attached you will find the Revised Permit Application for 65-24056, Seepage Loss, Evaporation Loss, and Storage calculations. I have also included an excel spreadsheet with our pond volume calculations. If there is anything else that you need please don't hesitate to reach out and thank you again for helping me move this process along.

Regards,

Rob

Rob Pair, E.I.T. | Associate Engineer

Crestline Engineers, Inc.

323 Deinhard Lane, Suite C
PO Box 2330 | McCall, Idaho 83638
T 208.634.4140 | C 208.315.7450 | F 208.634.4146
www.crestline-eng.com

SEP 30 2021

WATER RESOURCES
WESTERN REGION

September 27, 2021

Idaho Department of Water Resources
Attn: Aaron Olson
2735 Airport Way
Boise, ID 83705-5082

Subject: JanGo Acres/Idaho Water Sports McCall – Water Right Application Request for Additional Information

Dear Aaron,

Please find attached to this letter, the calculation sheets for evaporation loss and seepage loss for Permit No. 65-24056. Additionally, we have also included the drawings that were submitted and approved by the USACE for the Joint Applications for Permits for the wetland impact for the proposed pond. These should hopefully provide you with a more detailed and accurate representation of the pond.

Thank you for your attention to this submittal and please feel free to contact me by phone or email at your earliest convenience should you have any other questions or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert Pair', with a stylized flourish at the end.

Robert Pair, E.I.T.
Associate Engineer

Cc: Gordy Hansen, Owner/Applicant

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	65-24056
REVIEWER	Aaron Olson
DATE	9/23/2021

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	0.30435	AC.
-------------------------	---------	-----

Pond Surface Area (SQ. FT.)	13257	SQ. FT.
-----------------------------	-------	---------

I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	GrndWtr	
Suggested Seepage Rate (FT./DAY)	0.0000	FT./DAY

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

Convert to GPD	0	GPD
----------------	---	-----

Total Seepage Loss (AFA)	0.0	AFA
--------------------------	-----	-----

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	65-24056
REVIEWER	Aaron Olson
DATE	9/23/2021

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: McCall (NWS -- USC00105708)

Month	mm/day ¹	Days per month	mm/Month
Jan	-1.98	31	0.00
Feb	-1.22	28	0.00
March	-1.12	31	0.00
April	0.41	30	12.30
May	0.97	31	30.07
June	1.79	30	53.70
July	3.57	31	110.67
August	3.07	31	95.17
September	1.73	30	51.90
October	0.13	31	4.03
November	-2.00	30	0.00
December	-2.20	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.

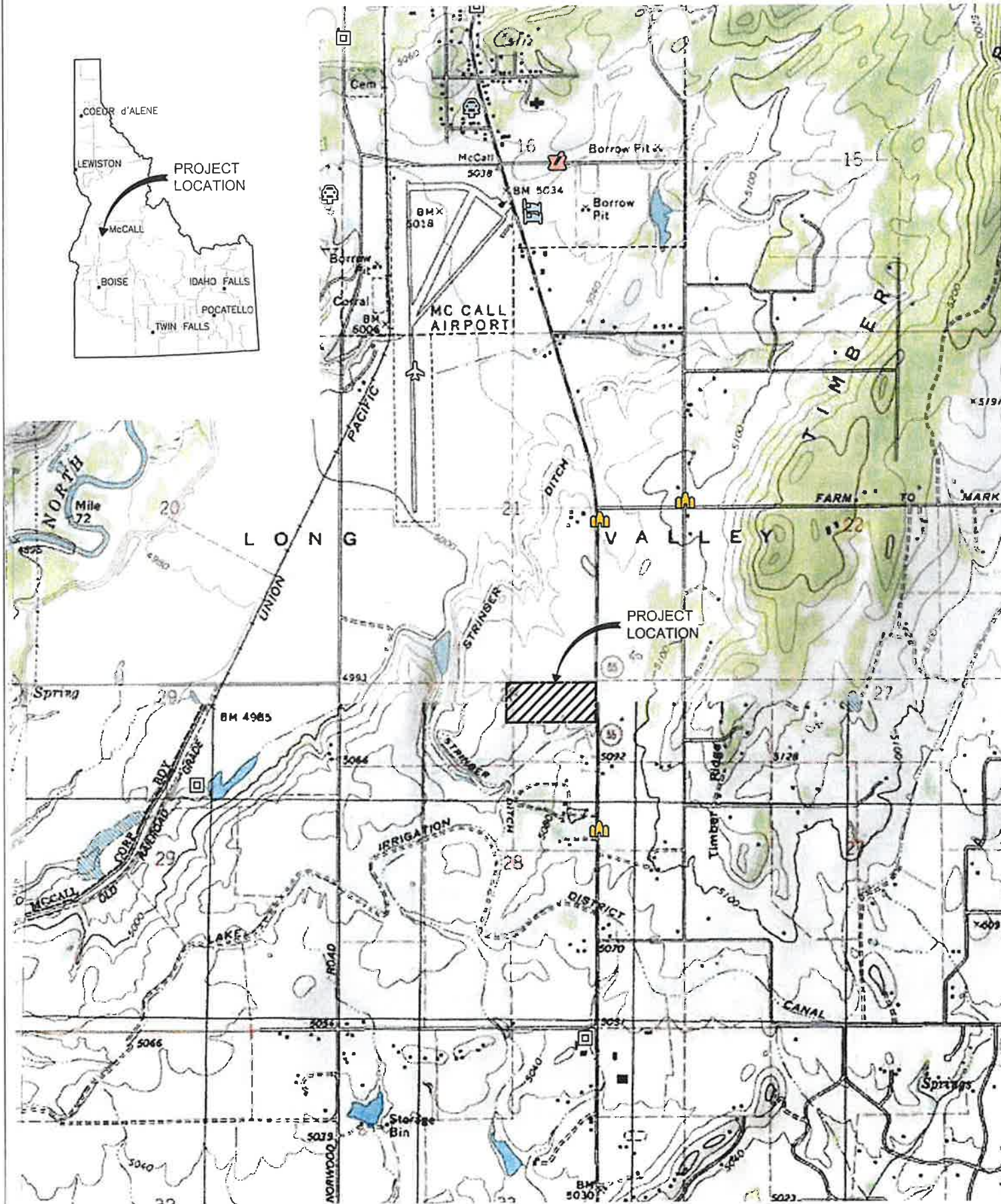
For example, see Sandpoint KSPT (NWS -- 108137), the annual precipitation deficit is -106 mm. However, April through September have positive precipitation deficit values. To properly estimate the annual volume of water necessary to refill a pond due to evaporation losses, the table will automatically 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 = 357.84

$$[(357.84 \text{ mm/yr}) \div (\text{convert to feet})] \times (\text{Surface area of pond, in acres}) = \text{Evaporation Loss in Acre Feet}$$

$$(357.84 \div 304.8) \times 0.30 = 0.4 \text{ AFA}$$



NORTH

SCALE: 1" = 2000'

Vicinity Map

2021 POND DEVELOPMENT

JanGo Acres/IWS McCall

NWW No. XXXXXXXXX

IWS, LLC

North Fork Payette River

Valley County, Idaho

Sheet 1 of 4

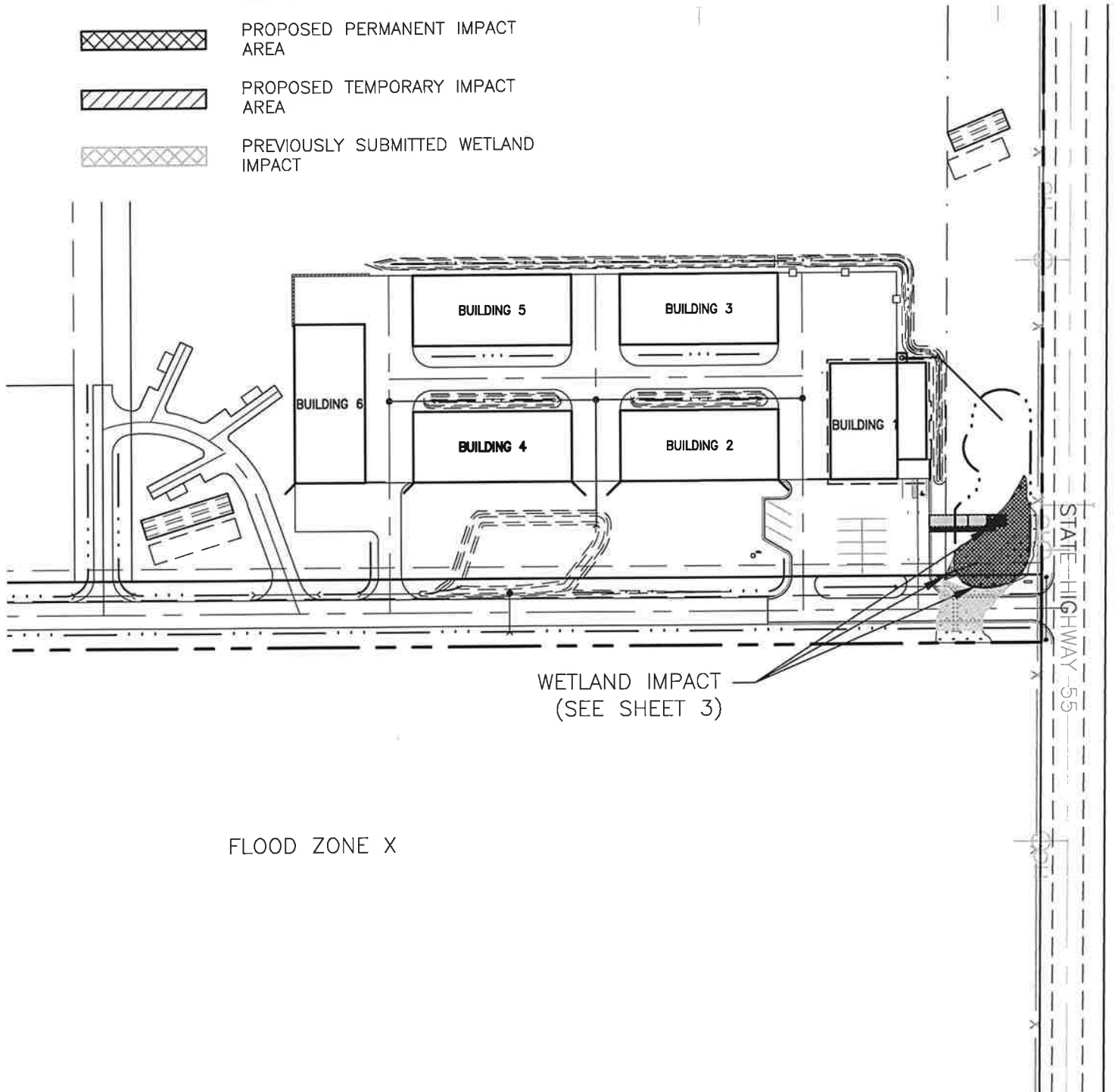
July 19, 2021

LEGEND:

	PROPERTY LINE
	100' SETBACK FROM SH-55
	EDGE OF HIGHWAY
	PROPOSED RIGHT-OF-WAY
	APPROXIMATE AREA OF EXISTING WETLANDS
	PROPOSED PERMANENT IMPACT AREA
	PROPOSED TEMPORARY IMPACT AREA
	PREVIOUSLY SUBMITTED WETLAND IMPACT

NOTES:

1. WETLAND IMPACT AREAS ARE APPROXIMATE. ACTUAL WETLAND BOUNDARIES WERE NOT DELINEATED FOR THE PURPOSE OF THE PROJECT SINCE THE JURISDICTIONAL IMPACT AREA IS ANTICIPATED TO BE LESS THAN 0.10 ACRES.
2. THE ENTIRE PROPERTY BOUNDARY IS LOCATED IN FLOOD ZONE X BASED OFF THE I.D.W.R MAPS.

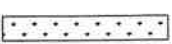
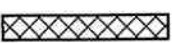
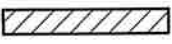


NORTH
SCALE: 1" = 150'

Site Map
2021 POND DEVELOPMENT

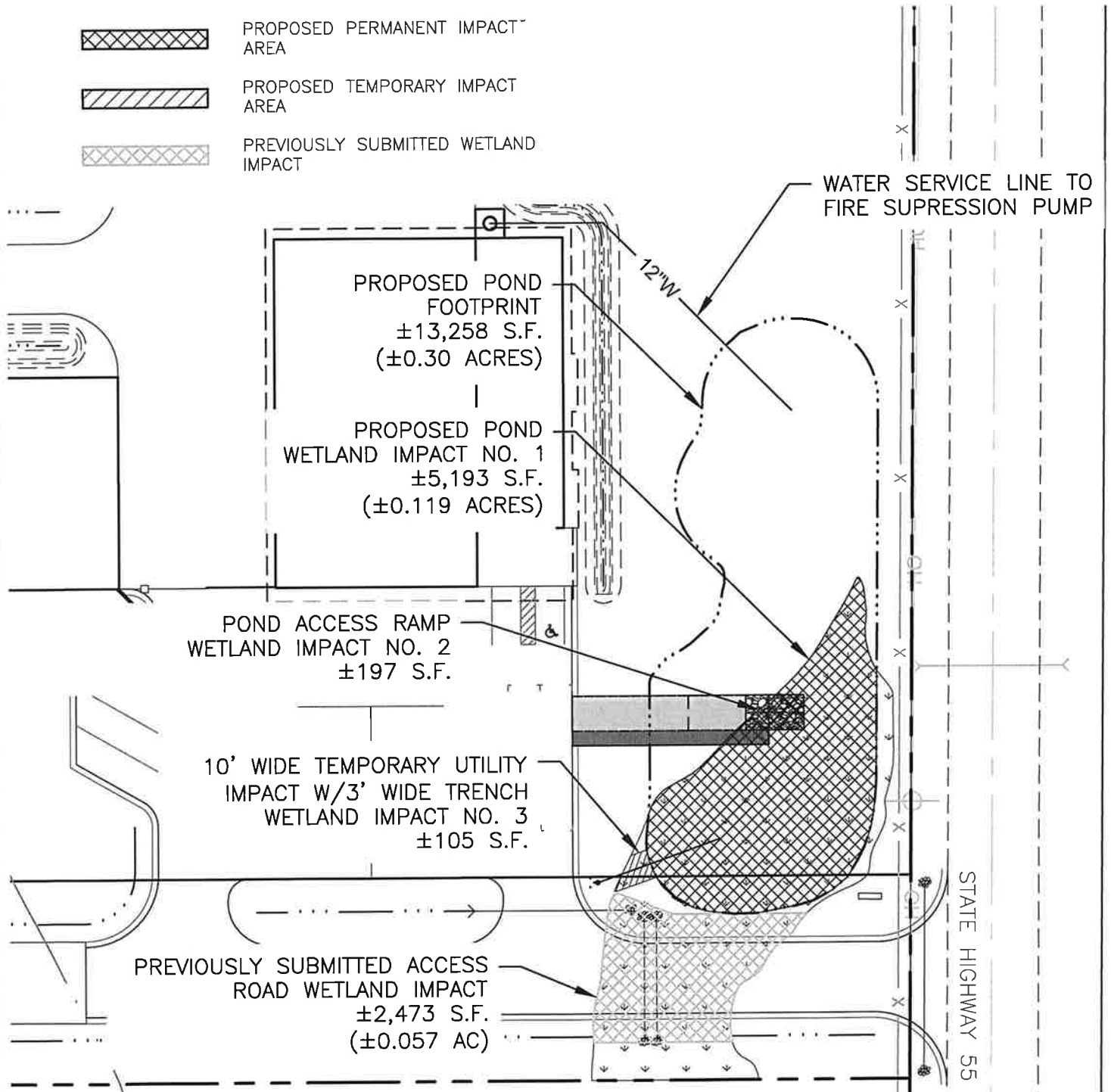
JanGo Acres/IWS McCall
NWW No. XXXXX
IWS, LLC
North Fork Payette River
Valley County, Idaho
Sheet 2 of 5
July 29, 2021

LEGEND:

	PROPERTY LINE
	100' SETBACK FROM SH-55
	EDGE OF HIGHWAY
	PROPOSED RIGHT-OF-WAY
	APPROXIMATE AREA OF EXISTING WETLANDS
	PROPOSED PERMANENT IMPACT AREA
	PROPOSED TEMPORARY IMPACT AREA
	PREVIOUSLY SUBMITTED WETLAND IMPACT

NOTES:

1. WETLAND IMPACT AREAS ARE APPROXIMATE. ACTUAL WETLAND BOUNDARIES WERE NOT DELINEATED FOR THE PURPOSE OF THE PROJECT SINCE THE JURISDICTIONAL IMPACT AREA IS ANTICIPATED TO BE LESS THAN 0.10 ACRES.
2. THE ENTIRE PROPERTY BOUNDARY IS LOCATED IN FLOOD ZONE X BASED OFF THE I.D.W.R MAPS.



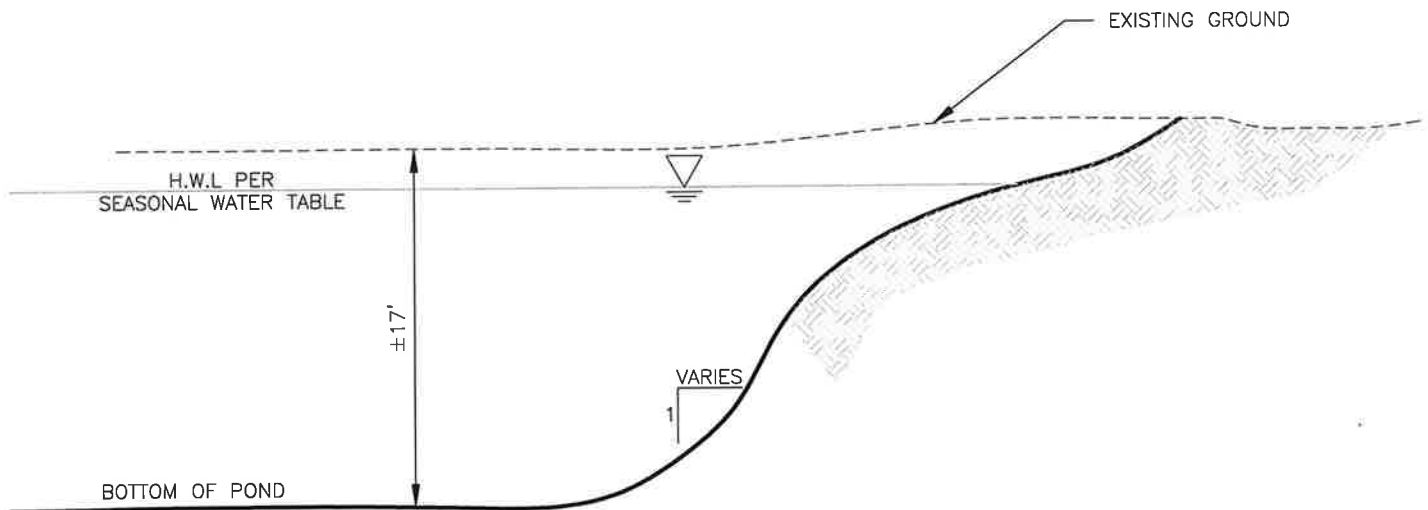
NORTH
SCALE: 1" = 50'

Wetland Impacts 2021 POND DEVELOPMENT

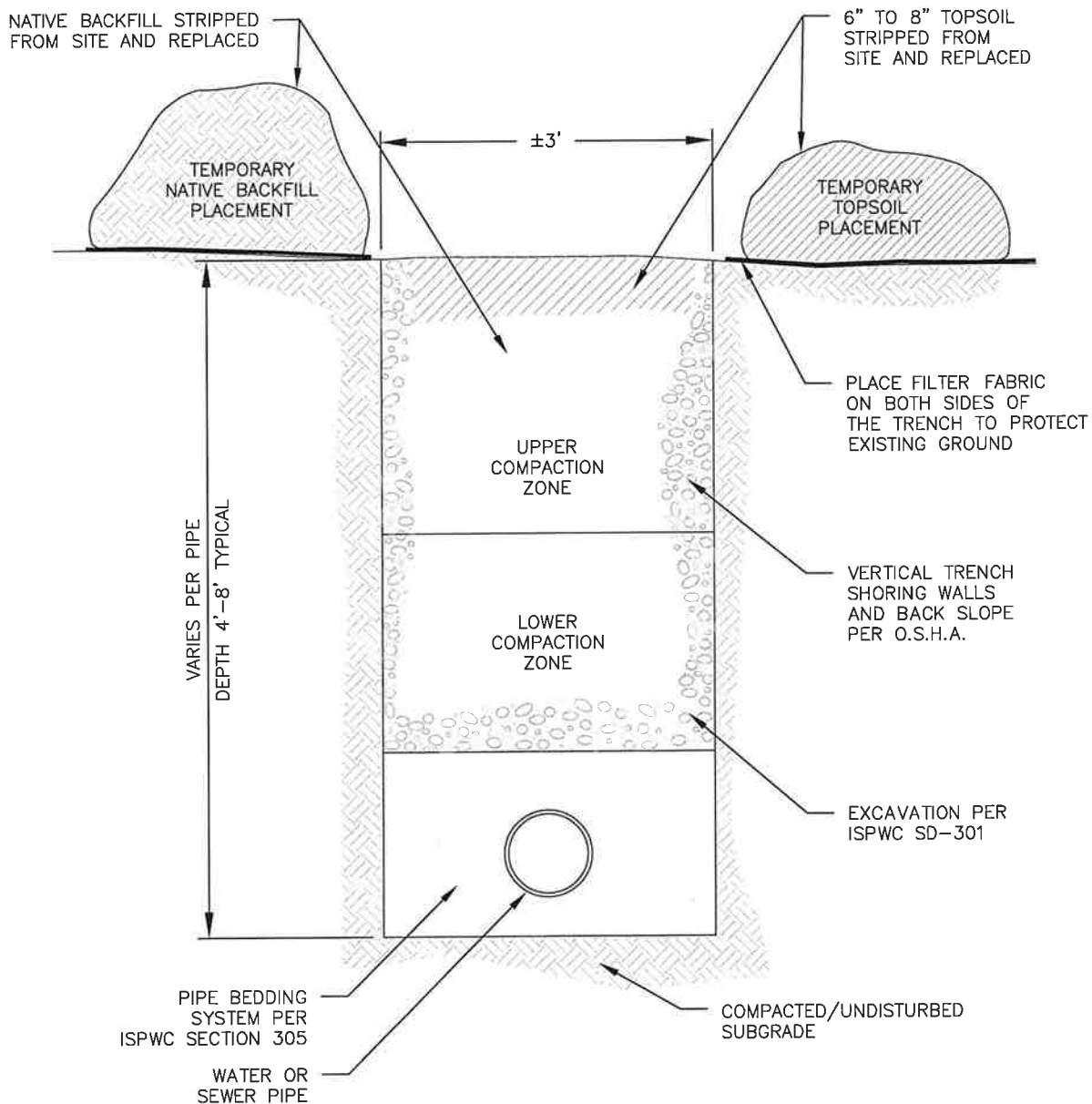
JanGo Acres/IWS McCall
NWW No. XXXXX
IWS, LLC
North Fork Payette River
Valley County, Idaho
Sheet 3 of 5
July 29, 2021

NOTES:

1. POND SLOPES TO BE CREATED USING MACHINE TO EXCAVATE MATERIAL ONLY. GRADING, PUSHING, AND FINE GRADING OF MATERIAL IS NOT ALLOWED.
2. EXCAVATED MATERIAL TO BE HAULED TO AN ON SITE UPLAND LOCATION RESEEDING OF ALL STOCKPILED MATERIAL SHOULD BE COMPLETED IMMEDIATELY AFTER PROJECT COMPLETION.
3. TEMPORARY DEWATERING AND EXCAVATION OF POND TO BE IN ACCORDANCE WITH THE PROJECT'S JOINT APPLICATION FOR PERMITS. STRAW BALE/SEDIMENT TRAP OR FILTER/DEWATERING BAG METHODS ARE POSSIBLE ALTERNATIVES.
4. CONTRACTOR TO INSTALL SILT FENCE AROUND POND FOOTPRINT TO ACT AS CONSTRUCTION LIMITS AND PREVENT ADDITIONAL IMPACTS TO SURROUNDING WETLANDS.



1 POND EXCAVATION DETAIL
TYP SCALE: 1" = 4'



PROFILE

N.T.S.

NOTES:

1. TYPICAL TRENCH CONSTRUCTION AS PER TRENCH DETAIL STANDARD DRAWING OR ISPWC SD-301.
2. PIPE BEDDING PER ISPWC SECTION 305.
3. BACKFILL AND COMPACTION PER ISPWC SECTION 306.
4. REFER TO ISPWC SECTION 405 FOR ADDITIONAL INFORMATION ON TRENCH FOUNDATION STABILIZATION IF NECESSARY FOR PROJECT CONSTRUCTION.

2 TEMPORARY WETLAND IMPACT UTILITY TRENCH DETAIL
TYP NOT TO SCALE

JanGo Acres/IWS McCall
NWW No. XXXXX
IWS, LLC
North Fork Payette River
Valley County, Idaho
Sheet 5 of 5
July 29, 2021

Typical Details - 2
2021 POND DEVELOPMENT



Western Region • 2735 W Airport Way • Boise, ID 83705-5082

Phone: 208-334-2190 • Fax: 208-334-2348 • Email: westerninfo@idwr.idaho.gov • Web: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

September 17, 2021

GORDON HANSEN
2165 OVERLAND AVE
BURLEY ID 83318

Re: Water Right Application for Permit No. 65-24056 – Request for Additional Information

Dear Applicant:

This office received your application on August 16, 2021. The Idaho Department of Water Resources (IDWR) has accepted the application into its records but is seeking additional information in order for it to be further processed.

Estimates of evaporation and seepage losses need to be accounted for in applications that have a storage component, please provide calculations estimating these losses. If calculations that account for these components determine the amount of water required to maintain the pond exceeds the 2.01 acre-feet per year volume listed in item 5, an amendment to the application will be needed. Amending item 5 of the application to a higher volume will also advance the priority date of the application to when the amendment is received. A storage loss calculation spreadsheet can be found on the IDWR website at <https://idwr.idaho.gov/form/water-rights-forms/> in the box labeled tools on the right side of the page.

Furthermore, submission of a map with a more detailed and accurate representation of the approximate pond location will be needed.

Please submit the requested information for the application to be processed. You may seek additional time to provide the information by making a written request to interrupt processing for up to six months. The application will be voided without a timely written reply within the next thirty (30) days. Refunds are not issued for voided applications.

You may receive future correspondence regarding more specific details of your application. IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please consult the IDWR website or contact this office at 208-334-2190 if you have any questions about the necessary information.

Aaron Olson
Water Resource Agent

CC: Gregg Tankersley



August 12, 2021

Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082

RECEIVED
AUG 16 2021
WATER RESOURCES
WESTERN REGION

Subject: JanGo Acres/Idaho Water Sports McCall – Water Right Application Incomplete

To Whom This May Concern,

Please find attached to this letter, a revised copy of the Application for Permit. Item #4 was incorrect and was not updated prior to the first submission. The vicinity map and point of diversion are shown in the correct location. We have also included the letter we received, as well as the original copy of the Permit.

Thank you for your attention to this submittal and please feel free to contact me by phone or email at your earliest convenience should you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert Pair', with a stylized flourish at the end.

Robert Pair, E.I.T.
Associate Engineer

Cc: Gordy Hansen, Owner/Applicant



State of Idaho

DEPARTMENT OF WATER RESOURCES

Eastern Region • 900 N Skyline Drive, Suite A • Idaho Falls ID 83402-1718

Phone: (208) 525-7161 • Fax: (208) 525-7177

Website: idwr.idaho.gov • Email: easterninfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

August 8, 2021

GORDON O. HANSEN
2165 OVERLAND AVE
BURLEY, ID 83318

Re: Water Right Application Incomplete - Returned

Dear Applicant:

This office received your application on August 2, 2021. The application cannot be accepted into the records of the Idaho Department of Water Resources (IDWR) until the following items are complete:

- **Point of Diversion(s).**
-The location of the Point of Diversion listed in item #4 of the application is NENW Township 18N Range 3E Section 24 of Valley County whereas the map has a point of diversion labeled as NWNE Township 18N Range 3E Section 28 of Valley County.
- **The Map.**
-Labeled point of diversion does not match legal description provided in item #4 of the application. Please provide a new map or amend the description of the point of diversion in item #4 so that the description of the location and what is shown on the map are matching.

The location listed in item #4 and what is labeled as the point of diversion on the map must match for the application to be considered complete.

The original incomplete application is enclosed. Please make the necessary amendments to the original form and re-submit within the next thirty (30) days. If IDWR does not receive your written response within thirty (30) days, a refund will be issued for this filing. You may receive future correspondence regarding more specific details of your application. IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please consult the IDWR website or contact this office at 208-334-2190 and ask for the "office day person" if you have any questions about the necessary information or fee.

Sincerely,

Western Region Water Rights Staff

Enclosure: Original Application

CC: Gregg Tankersley