

FIELD EXAMINATION OF PRBA WATER RIGHT CLAIM

Claim Identification Number: 87-10867

Exam Report Completed By: Linda Werner, WR Agent, Sr.

Date of Exam: 5/10/21

Time of Exam: 10:00 AM

IDWR Field Staff: Linda Werner, Evan Roda

Accompanied By: Charles & Ronnie Graham

Examination Location: 2040 Mill Rd, Moscow, ID

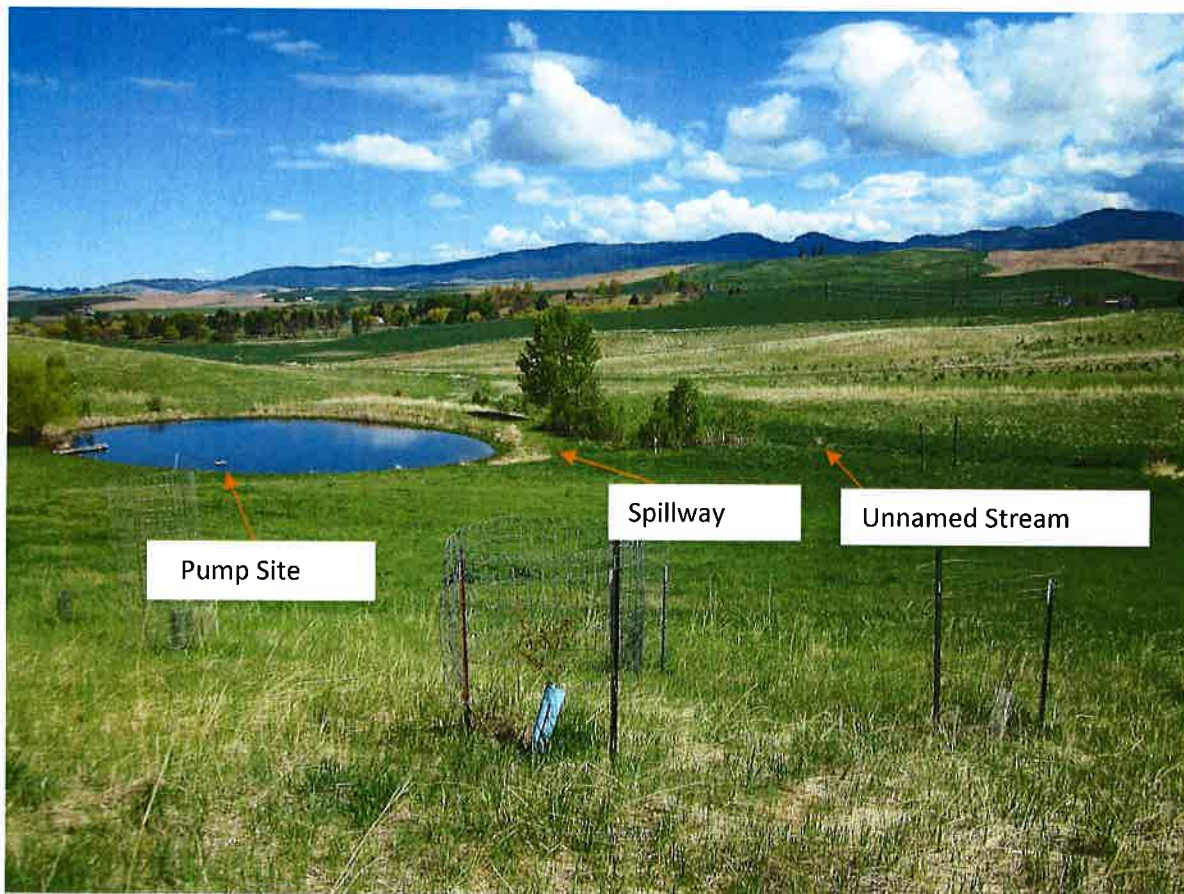
Purpose of Visit: To Determine Source/Tributary/Nature of Use

Field Examination Notes:

Source: Surface Water Runoff, Tributary to S. Fork Palouse River

Point of Diversion: SE1/4SE1/4, Section 15, T39N, R05W

Nature of Use: Storage for Recreation and Domestic Lawn Irrigation



Looking northeasterly at pump deck in pond and emergency spillway, water tributary to unnamed stream then S. Fork of the Palouse River.



Looking at surface water runoff area on hillside above pond



Conveyance method = buried PVC pipeline to spigot for $\frac{1}{2}$ acre domestic irrigation



Lawn, garden and orchard irrigation in SESE, Section 15, T39N, R05W

Total Storage Calculations

FILE NUMBER	87-10867
REVIEWER	Linda Werner
DATE	5/13/2021

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.)	0.47	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	8	"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)	3.76	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)	0.5	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.8	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	5.1	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.