

Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon

I, McDonald, Claude F. & May (Name of Applicant)

of Box 123, Mt. Hood 97041 (Mailing address), (City)

State of Oregon (Zip Code), do hereby make application for a permit to construct the following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

If the applicant is a corporation, give date and place of incorporation

1. The name of the proposed reservoir is Lilyosh Fish Hatchery NO. 1, NO. 2, NO. 3, NO. 4

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Graham Creek (Maldwin Creek)

tributary of East Fork Hood River

3. The amount of water to be stored is SEE REMARKS 52739 2.57 acre feet.

4. The use to be made of the impounded water is FISH PROPAGATION (52739) (Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 21 (Give sections or townships to be submerged)

Tp. 1N, R. 10E, W.M., in the county of Hood River

(a) State whether situated in channel of running stream and give character of material at outlet Running stream. Concrete-Masonry outlet (see remarks)

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions Lilyosh Channel A-A fills ponds Lilyosh 1, 2, and 3. 1 ft. x 6 ft. gate and channel. Lilyosh channel 1-B fills pond no. 4, 1 ft. x 4 ft. gate, Channel 2 ft. wide, 18in. deep, covered.

6. The dam will be located in (no dam) See Remarks SE 1/4 NE 1/4, Sec. 21 (Smallest legal subdivision)

Tp. 1N, R. 10E, W.M. The maximum height will be three feet above stream bed or ground surface on center line of dam. The length on top will be 148 feet; length on bottom 132 feet; width on top 84 feet; slope on front or water side 1 to 1; slope on back 1 to 1; height of dam above water line when full one feet.

* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

Pond	Top Length	Bottom Length	Top width	Front slope	Back Slope	Above Water	above st
#2	110 ft.	108 ft.	64 ft.	1" to 1ft.	0	1 ft.	0
#3	66 ft.	67 ft.	47	1 to 4	1 to 1	18"	3 ft.
#4	112 ft.	80 ft	24 ft.	1 to 4	0 to 1	1 ft.	3 ft.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Areas which might be interpreted as dams or dikes around Lilyosh ponds no.'s 2, 3 and 4 protected by rock-cement walls from bedrock to above maximum water level, Pond #1 cobble and lava rock rip-rap, completed.

8. The location of wasteway with dimensions are as follows: (channels) Wasteways from Lilyosh No. 1 (State whether over or around the dam) (2) both 4' wide, 16' long, 1' deep on N. & W. sides. 4'x30'x1' channel on S.W. side of Lilyosh #2. 4'x16'x1' S.W. side and 4'x16'x1' on N.W. side of Lilyosh no. 3. Two 4'x8'x1' on S.W. side of Lilyosh no. 4.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 10" drain pipe (outlet) N.W. side of Lilyosh no. 1. 10" drain pipe on N.W. side of Lilyosh no. 2. 4" drain pipe S.W. side of Lilyosh #3. (All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time) 4" drain from S.W. side of Lilyosh no. 4.

10. The area submerged by the proposed reservoir, when full, will be (See remarks) .41 acres, with a maximum depth of water of see remarks feet; and approximate mean depth of water feet.

11. The estimated cost of the proposed work is \$. \$5,000.

12. Construction work will begin on or before started

13. Construction work will be completed on or before November 1975

Claude F. McDonald
Claude F. McDonald (applicant)
May A. McDonald
May A. McDonald

STATE OF OREGON, }
County of Marion, } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before , 19.

WITNESS my hand this day of , 19.

STATE ENGINEER
By ASSISTANT

Remarks: The ponds with surface area of approximately one acre are created by excavation of sumps 6 to 8 feet deep in natural ground which are 2 to 3 feet above the bottom of creek channel. Thus 5 to 6 feet of water would come from ground seepage. Wish to divert approximately 2 C.F.S. through the pond for purpose of fish propagation.

#3 - LILYOSH NO. 1 - 1.49, NO. 2 - .73, NO. 3 - .19, NO. 4 - .16 ACRE FT. 2.57 ACRE FT. TOTAL.

5 (a) Area of Lilyosh Ponds No. 1, 2, and 4 was running stream during high water prior to excavation. Filled from 1 to 4 ft. between these and pond #2 and on west side of #2 and 4. Dam or dike on N.W. ends of ponds #2 and #4 of masonry-concrete double wall construction, inside wall to bed rock (bottom of ponds). 1' to 4' outside wall, clay soil fill between walls. Drains at bedrock level (Pipe), Overflow channels (Masonry-concrete) provide constant flow between ponds and back into Graham creek. Completed.

5 (b) Ponds filled by removal of splash boards at east end of Lilyosh #1. Removal of splash board on East end of spawning channel provides separate water flow to Lilyosh #4.

6. Completed dams above ponds constructed by others for purpose of irrigation can be utilized by permission of property owners, not necessary for 2 CFS diversion. Gate (8' x 4') shown on map as diversion point can be utilized by permission from property owner, not necessary. Rock-cement construction with splash boards. Under-gate pipe and overflow provides constant flow of creek if utilized. Terrain provides for flooding on creek side (S) of ponds.

10.

Lilyosh No.	Acres	Maxium depth	Mean depth
1	.19	8 ft.	7 ft.
2	.12	7 ft.	6 ft.
3	.06	5 ft.	4 ft.
4	.04	5 ft.	4 ft.

STATE OF OREGON, } ss.
County of Marion, }

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions: The right herein granted is limited to the construction of Lilyosh Ponds 1, 2, 3, & 4 and storage of water from Graham Creek to be appropriated under Application No. 50739, Permit No. 38322, for fish propagation.

The right hereunder shall be limited to the storage of 2.6 acre feet.

The priority date of this permit is February 5, 1974

Actual construction work shall begin on or before October 9, 1976 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1977.

WITNESS my hand this 9th day of October, 1975.

[Signature]
Water Resources Director F.H. B

Application No. *R-51641*
Reservoir Permit No. **R 6184**

PERMIT

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the *20th* day of *November*, 19*73*, at *8:00* o'clock *A*. M.

Returned to applicant:

Approved:

Recorded in Book No. _____ of _____
Reservoirs, on Page **R 6184**

State Engineer

Drainage Basin No. *1* page *2A*

Fees *25.00*