

WOLF 1980 A3

Application No. R-59506

Permit No. R 8145

STATE OF OREGON WATER RESOURCES DEPARTMENT RECEIVED

Application for a Permit to Construct a Reservoir NOV 16 1979

WATER RESOURCES DEPT SALEM, OREGON

I, Keystone Orchards, Inc. by Duane Culbertson (Name of Applicant)

of 327 South Fir Street Medford, (Mailing Address) (City)

State of Oregon 97501, Phone No. 772-4298 (Zip Code)

do hereby make application for a permit to construct the Keystone reservoir

and to store the unappropriated waters of the State of Oregon, subject to existing rights.

1. The name of the stream from which the reservoir is to be filled is S. Fk. Little Butte Cr. (through M.I.D. Canal) tributary to Little Butte Creek.

2. If not in channel of a stream, state how it is to be filled. by pumping from M.I.D. Canal directly into Keystone Reservoir using a 6-inch water lifter pump powered by a 10 H.P. electric motor.

3. The dam will be located in the NW 1/4 of the SW 1/4 of Section 6, Township 38 S., Range 1 W., W. M.

4. The maximum height will be 10 feet above stream bed or ground surface at the centerline. The top width will be 10 feet, slope of upstream face 3:1, slope of downstream face 2:1, and height of dam above water line when full 2.5 feet.

5. The dam will be (check one) X earthfill, concrete, flashboard, other. If "other", give description:

6. Give the location, description, and dimensions of the outlet conduit: through bottom of dam using 60 feet of 8-inch c.m.p. or class 200 P.V.C. pipe. Control valve on water side.

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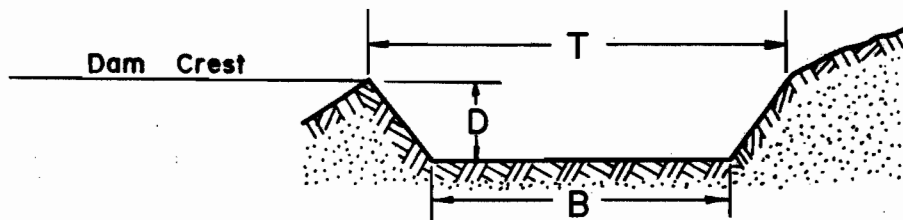
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7. The impounded water will be used for temperature control.

8. The amount of water to be stored is 3.5 acre feet.

9. The area submerged by the reservoir, when full, will be 0.5 acres, and the maximum depth of water will be 11.5 (see remarks) feet.

10. Give the location and dimensions of the spillway around east end of dam.  
(State whether over or around dam)



The bottom width of the spillway, B, will be 6.0 feet.

The top width of the spillway, T, will be 6.0 (concrete) feet.

The distance between the crest of the dam and the crest of the spillway, D, will be 2.5 feet.  
(Must be at least 2 1/4 feet)

If any other type of spillway describe and give dimensions:

A trickle trough to be constructed in bottom of concrete spillway with 8" drain pipe in bottom.

11. Construction work will begin on or before one year from date of priority.

12. Construction work will be completed and the reservoir filled by October 1, 1981.

Remarks: Storage capacity to be increased by excavation to a depth of 4 feet (maximum) below natural ground level.

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Signature of Applicant

*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 Water Resources Director with corrections on or before....., 19.....*

*WITNESS my hand this..... day of....., 19.....*

*Water Resources Director*

*By.....*

*This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 16<sup>th</sup> day of November, 1979, at 8:00 o'clock A.M.*

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

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 Keystone Reservoir and storage of water from the South Fork Little Butte Creek to be appropriated under application No. 59507, permit No. 44919 for temperature control

The right hereunder shall be limited to the storage of 3.5 acre feet.

The priority date of this permit is November 16, 1979

Actual construction work shall begin on or before July 14, 1981 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1982

WITNESS my hand this 14th day of July, 1980

James E. Lynam Water Resources Director