

* APPLICATION FOR A PERMIT

To appropriate the Public Waters of the State of Oregon

United States of America, I, By Ernest P. Leavitt, Superintendent of Crater Lake National Park

(Name of applicant)

of Crater Lake (Winter address, Medford), County of Klamath State of Oregon

do hereby make application for a permit to appropriate the following described public waters of the State of Oregon, SUBJECT TO EXISTING RIGHTS:

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

1. The source of the proposed appropriation is Sand Creek, a tributary of Klamath River through Klamath Marshes.

2. The amount of water which the applicant intends to apply to beneficial use is 0.15 cubic feet per second. Wheeler Creek, 0.038 sec. ft.; Lost Creek, 0.093 sec. ft.; Kerr Notch Spring, 0.019 sec. ft.

**3. The use to which the water is to be applied is municipal in Crater Lake National Park.

4. The point of diversion is located ft. and ft. from the corner of see rider.

being within the of Sec. Tp. R. W. M., in the county of

5. The See rider to be in length, terminating in the of Sec. Tp. R. W. M., the proposed location being shown throughout on the accompanying map.

DESCRIPTION OF WORKS

Diversion Works— See rider.

6. (a) Height of dam feet, length on top feet, length at bottom feet; material to be used and character of construction

(b) Description of headgate

(c) If water is to be pumped give general description

* A different form of application is provided where storage works are contemplated.

** Applications for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydro-electric Commission.

Canal System or Pipe Line— See rider.

7. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(b) At miles from headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(c) Length of pipe, ft.; size at intake, in.; size at ft. from intake in.; size at place of use in.; difference in elevation between intake and place of use, ft. Is grade uniform? Estimated capacity, sec. ft.

8. Location of ~~area to be irrigated~~, or place of use

Township	Range	Section	Forty-acre Tract	Number Acres To Be Irrigated
Wheeler Creek Pipe Line at East Entrance:				
31 S	7½ E	28	S½ SE¼	All irrigation to be incidental and limited to shrubs around buildings
31 S	7½ E	33	N½ NE¼	
Lost Creek Pipe Line at Lost Creek Area:				
31 S	7½ E	18	SE¼ SE¼	All irrigation to be incidental and limited to shrubs around buildings
31 S	7½ E	19	NE¼ NE¼	
31 S	7½ E	20	NW¼ NW¼	
Kerr Notch Pipe Line:				
31 S	6 E	1	Central portion W½	

(If more space required, attach separate sheet)

(a) Character of soil

(b) Kind of crops raised

Power or Mining Purposes—

9. (a) Total amount of power to be developed theoretical horsepower.

(b) Quantity of water to be used for power sec. ft.

(c) Total fall to be utilized feet.
(Head)

(d) The nature of the works by means of which the power is to be developed

(e) Such works to be located in of Sec.
(Legal subdivision)

Tp., R., W. M.
(No. N. or S.) (No. E. or W.)

(f) Is water to be returned to any stream?
(Yes or No)

(g) If so, name stream and locate point of return

....., Sec., Tp., R., W. M.
(No. N. or S.) (No. E. or W.)

(h) The use to which power is to be applied is

(i) The nature of the mines to be served

Rider

4. Points of Diversion:

All of the following diversions are based on the central meridian of Crater Lake National Park which differs from bearings on accompanying map by $1^{\circ}07'$ which is the difference between said true mean north and the azimuth of the Plane Coordinate Grid for the State of Oregon. All streams and springs herein mentioned are tributary to Sand Creek.

Wheeler Creek Diversion is to be $N 12^{\circ}09' W 2427$ feet from the Boundary Monument No. 97 of Crater Lake National Park; and $N 74^{\circ}26' W 1624$ feet from the SE corner of Section 28, T 31 S, R $7\frac{1}{2}$ E, as said corner was tied to said Boundary Monument during resurvey of the section in 1905 and resurvey of the park boundary in 1909; being within the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of said Section 28, T 31 S, R $7\frac{1}{2}$ E, W. M.

Lost Creek Diversion is located $S 74^{\circ}46' W 13,891$ feet from Boundary Monument No. 90 of Crater Lake National Park, being within the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 13, T 31 S, R $7\frac{1}{2}$ E, W. M.

Kerr Notch Diversion is located at a nameless spring $N 71^{\circ}21' W 17,782$ feet from said Boundary Monument No. 90, being in unsurveyed land in what would probably be the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 1, T 31 S, R 6 E, W. M.

5. Pipe Line Location:

The Wheeler Creek Pipe Line is to be approximately 700 feet in length, terminating at the East Entrance area of Crater Lake National Park in the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 28, T 31 S, R $7\frac{1}{2}$ E, W. M.

The Lost Creek Pipe Line is approximately 30 feet in length, terminating at a reservoir in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 13, T 31 S, R $7\frac{1}{2}$ E, W. M. The distribution pipe for this system is 3562 feet in length, terminating in the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of said Section 13, T 31 S, R $7\frac{1}{2}$ E, W. M., at the principal place of use.

The Kerr Notch Pipe Line is 3715 feet in length, terminating in unsurveyed land in what would probably be the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 1, T 31 S, R 6 E, W. M.

6. Diversion Works:

(a) Diversion from Wheeler Creek will be in a well of concrete lining construction, built in the bank of said stream with filtration galleries through which water will seep or percolate from that stream.

Diversion from Lost Creek is made in a small masonry collecting sump built about a spring in the bank of said stream.

Diversion from Kerr Notch Spring is from a masonry collecting sump built about said spring.

(b) Lost Creek headgate is a 2-inch pipe into a collecting reservoir from which the overflow is returned to the stream.

Kerr Notch headgate is a 1-inch pipe through which water only flows when spigots are turned on at place of use. If reservoir is needed and added later, a float valve or other device will be provided to prevent waste of water.

(c) The pump unit for Wheeler Creek is not fully designed. It will have a capacity of at least 20 g.p.m. and will probably be driven by gasoline or diesel power unit. The pump lift will be 255 feet to area of use including an elevated tank tower 40 feet in height. A remote alternate for the elevated tank is a pressure tank to operate under an average 40 pound pressure if electric power becomes available for automatic operation.

7 (c). Pipe Sizes:

Wheeler Creek Pipe Line:

Length 700 feet; diameter 2 inches; pump lift 255 feet. A pump unit of 20 g.p.m. capacity will be ample, but a 30 g.p.m. unit is also practical.

Lost Creek Pipe Line:

Length 30 feet to distribution reservoir; diameter 2 inches; fall 2.2 feet; grade even; estimated capacity 0.093 sec. ft. This pipe is the limiting factor in capacity, and the system is capable of conveying more than 0.5 sec. ft. if this section were enlarged.

Kerr Notch Pipe Line:

Length 3715 feet; diameter 1 inch; fall 339 feet, all below gradient of 91.3 feet per 1000 feet. Estimated capacity 0.019 sec. ft.

10. Municipal Use:

For details of municipal use at Crater Lake National Park see accompanying application by the claimant to appropriate waters of Annie Creek, which shows average present population to be 3000 people and estimated population of 5000 in 1960.

The Wheeler Creek Pipe Line is to serve public comfort stations, checking station and residences for rangers and their families at the East Entrance of the park. These facilities have been provided at Lost Creek and are to be moved to east boundary for better park administration.

Lost Creek includes a residence for a ranger and his family, a barn, CCC camp which is not now in use, and public campground. The campground now has facilities for 25 cars, and is to be enlarged to double capacity at once. Further enlargement is anticipated during the next twenty years. The area between Lost Creek and Kerr Notch offers some of the best skiing in the park, and plans are now being developed to provide winter facilities at Lost Creek.

The Kerr Notch Area is a popular picnic site with drinking fountains. Public comfort stations are to be provided in the near future, and shelters and other facilities for skiers are now under consideration.

12. Priority:

The present development at Lost Creek was constructed in 1924. The heaviest use of the Kerr Notch system was during construction of the present road in 1935 and 1936. The Wheeler Creek system will be constructed as soon as funds are provided and material priorities will permit. All of this development is part of a general park development started by construction of the Lodge at the Rim Area in 1903.

Municipal or Domestic Supply—

10. (a) To supply ~~the city of~~ administrative units of Crater Lake National Park, Klamath County, having a present population of See rider and an estimated population of in 19

(b) If for domestic use state number of families to be supplied

(Answer questions 11, 12, 13, and 14 in all cases)

- 11. Estimated cost of proposed works, \$20,000 was begun
12. Construction work will begin on or before 1924. See rider.
13. Construction work will be completed on or before 1960.
14. The water will be completely applied to the proposed use on or before 1960.

UNITED STATES OF AMERICA
By: E. P. Leavitt
Superintendent
Crater Lake National Park.

Signed in the presence of us as witnesses:

- (1) Thomas C. Parker, 1324 Queen Ann, Medford, Oregon
(2) G. T. Hopper, 331-W-6th, Medford, Oregon

Remarks:

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, 194

WITNESS my hand this day of, 194

STATE ENGINEER

Application No. 19576

Permit No. 15158

PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

Division No. District No.

This instrument was first received in the office of the State Engineer at Salem, Oregon on the 28th day of November 1941, at 8:00 o'clock A.M.

Returned to applicant:

Corrected application received:

Approved:

January 30, 1942

Recorded in book No. 37 of

Permits on page 15158

CHAS. E. STRICKLIN

STATE ENGINEER

Drainage Basin No. 14 Page 23

Fees Paid \$10.00

STATE OF OREGON

PERMIT

County of Marion, } ss

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed 0.15 cubic feet per second measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from Wheeler Creek, Lost Creek, and Kerr Notch Spring, being 0.038 c.f.s. from Wheeler Creek, 0.093 c.f.s. from Lost Creek, and 0.019 c.f.s. from Kerr Notch Spring.

The use to which this water is to be applied is MUNICIPAL use.

If for irrigation, this appropriation shall be limited to of one cubic foot per second

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is November 28, 1941

Actual construction work shall begin on or before January 30, 1943 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1943

See order in Vol. 4, pages 283-4

Complete application of the water to the proposed use shall be made on or before

October 1, 1944

WITNESS my hand this 30th day of January, 1942

CHAS. E. STRICKLIN

STATE ENGINEER

Extended to Oct. 1, 1947
Extended to Oct. 1, 1972
BC Extended to 10-1-94, 10-1-99