



WATER-RIGHT DOCKET

Crater Lake National Park

Docket No: 1

ANNIE CREEK DRAINAGE

State Water Rights Documentation

01-07-2000: application for extension of time for water right permit numbers 15156 and 15158



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE
Water Resources Division
1201 Oak Ridge Drive, Suite 250
Fort Collins, Colorado 80525-5596

January 7, 2000

Water Right Permit Extensions
Water Resources
158 12th Street NE
Salem, Oregon 97310

RE: Application for Extension of Time for Water Right Permit Numbers 15156 and 15158.

To Whom It May Concern:

Enclosed are two completed applications for extension of time to accomplish beneficial use for water right permit numbers 15156 and 15158. These permits are for municipal water use at Crater Lake National Park. Also enclosed is check number 004976 for \$200.00 to cover the statutory filing fee of \$100.00 per application.

If you have any questions concerning these applications, please contact Ron Thomasson of my staff at (970) 225-3523.

Sincerely,

Chuck Pettee
Chief, Water Rights Branch

Enclosures

cc:

Superintendent Crater Lake National Park
Barbara Scott-Brier

APPLICATION FOR EXTENSION OF TIME TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Charles W. Pettee, Chief, Water Rights Branch, National Park Service
NAME

1201 Oak Ridge Drive Suite 250 Fort Collins CO 80525 (970) 225-3505
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. 19576, Permit No. 15158, do hereby request that the time in which to:

☐ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, _____, be extended to October 1, _____,

and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2004.

NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

Enclosed is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review). There are no time sensitive conditions specified in the permit.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions. Not Applicable

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period:
See Attachment

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period:
See Attachment

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): See Attachment

4-Cost of project to date ^{Approx.} \$50,000. Estimated remaining cost to complete the project Undetermined

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. This permit is for municipal uses at Crater Lake National Park. The intent was to phase in water development as park visitation increased. Park visitation is continuing to increase.

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

D) Acts of God or other unforeseen events delayed full development of the water system and use of water.

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. Tourism

A) Has there been any change in this market since the permit was issued? Park visitation has doubled since the issuance of the permit.

B) Have these changes, if any, affected the economic feasibility of your project? The increase in Park visitation has significantly increased Park water use, making it necessary to fully develop the quantity of water authorized in the permit.

7-Are there other present competing demands for water in your community? Water from Sand Creek is used for ranching operations downstream of the Park. The sources specified in the permit are tributary to Sand Creek.

A) Has there been any change in these demands for water since the permit was issued? Water rights to Sand Creek have been issued for irrigation and livestock purposes subsequent to the issuance of the permit. The sources specified in the permit are tributary to Sand Creek.

B) Are you aware of alternative sources of water that may be able to satisfy the competing demands? No

C) Are you aware of any adverse affects on your source of water that may have been caused by recent changes in use of water in your community? No

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project? The complete development of the quantity of water allowed by the permit will allow the Park to economically meet the demands of the increasing number of visitors.

9-If the extension request is denied, is the current level of water use economically feasible? If the extension is denied, it will limit the ability of the Park to economically provide water to the increasing number of visitors.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.


Signature

1/7/00
Date

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES
158 12TH ST NE
SALEM, OREGON 97310

m:\exchange\lecp\extfrm98
revised June 21, 1999

Attachment to Application for Extension of Time
Application No. 19576
Permit No. 15158

- 3A) During the last permit extension period the comfort station at the Lost Creek Campground was replaced. This included the addition of two new flush toilets.
- 3B) Prior to the beginning of the last extension period Lost Creek has supplied water via pipeline to a 14 space campground with four hydrants and a comfort station. The water is chemically treated just below the point of diversion and flows by gravity to the place of use.
- 3C) The Park has accomplished beneficial use to the extent of 2,000 to 3,000 gallons per day at the campground from July 1 through September 15. Use of the water is for park purposes including but not limited to, administrative, domestic, visitor use, fire prevention, and dust suppression. Additional developments, coupled with an increase in visitation, may require more water to be consumed in the future.

APPLICATION FOR EXTENSION OF TIME TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Charles W. Pettee, Chief, Water Rights Branch, National Park Service
NAME

1201 Oak Ridge Drive Suite 250 Fort Collins CO 80525 (970) 225-3505
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. 19574, Permit No. 15156, do hereby request that the time in which to:

☐ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, _____, be extended to October 1, _____,

and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2004.

NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

Enclosed is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review). There are no time sensitive conditions specified in the permit.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions. Not Applicable

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period:

See Attachment

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period:

See Attachment

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): See Attachment

4-Cost of project to date Approx. \$800,000. Estimated remaining cost to complete the project Approx. \$565,000.

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. This permit is for municipal uses at Crater Lake National Park. The intent was to phase in water development as park visitation increased. Park visitation is continuing to increase.

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

D) Acts of God or other unforeseen events delayed full development of the water system and use of water.

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. Tourism

A) Has there been any change in this market since the permit was issued? Park visitation
has doubled since the issuance of the permit.

B) Have these changes, if any, affected the economic feasibility of your project? The increase in
Park visitation has significantly increased Park water use, making it necessary
to fully develop the quantity of water authorized in the permit.

7-Are there other present competing demands for water in your community? Water from Annie
Creek is used for ranching operations downstream from the Park in the Fort Klamath
area.

A) Has there been any change in these demands for water since the permit was issued? Water rights
have been issued for Annie Creek allowing irrigation of 40.8 acres and supplemental
irrigation of 948.6 acres for downstream ranching operations since the time of
permit issuance.

B) Are you aware of alternative sources of water that may be able to satisfy the competing demands?
It is generally believed that a relatively large groundwater aquifer exists in
the Fort Klamath area.

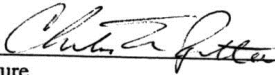
C) Are you aware of any adverse affects on your source of water that may have been caused by recent
changes in use of water in your community? No

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project? The complete development of the quantity of water allowed by the permit will allow the Park to economically meet the demands of the increasing number of visitors.

9-If the extension request is denied, is the current level of water use economically feasible? If the extension is denied, it will limit the ability of the Park to economically provide water to the increasing number of visitors.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.

Signature



Date

1/7/00

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES
158 12TH ST NE
SALEM, OREGON 97310

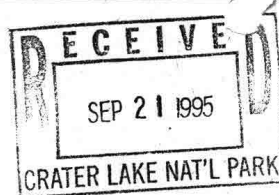
Attachment to Application for Extension of Time
Application No. 19574
Permit No. 15156

- 3A) During the last permit extension period several new facilities requiring water from Annie Spring have been constructed in the Mazama Village area of Crater Lake National Park. These have included a new 70 bed dormitory, 26 new campsites, a comfort station with shower facilities, and an expansion of the Mazama Village store and laundry. To accommodate these facilities, an additional 8-inch water main and a 100,000 gallon storage tank were installed in the Mazama Village area.
- 3B) Prior to the beginning of the last extension period Annie Spring has supplied water for the Headquarters/Rim System and at Mazama Village. Water is pumped from the spring to the headquarters area and stored in a 150,000 gallon tank. From there water is distributed to approximately 30 buildings in the Headquarters area. Water is also pumped from the Headquarters area to the Rim area and stored in a 180,000 gallon reservoir for distribution to all Rim facilities including the lodge, concessioner dormitory, Rim cafeteria, museum, and comfort stations. Additional future development requiring more water is possible.

Annie Spring is also the source for the Mazama Village area. In addition to the new development described in 3A above, water is used at a 231 space campground with 8 comfort stations (1 with showers), 40 modern cabin style rooms, and a store which includes laundry facilities, showers, and a fueling island. Additional future development requiring more water is possible.

- 3C) The Park has accomplished beneficial use of water under the permit to the extent of providing water for park purposes including but not limited to, administration, visitor use, watering of lawns, trees, and shrubs, domestic uses, fire prevention, and dust suppression. In recent years, average daily demand for the May through October period has been approximately 52,200 gallons per day. The average daily demand for the November through April period has been approximately 12,500 gallons per day.

September 19, 1995



Oregon

WATER
RESOURCES
DEPARTMENT

CRATER LAKE NATIONAL PARK
PO BOX 7
CRATER LAKE OR 97604

REFERENCE: Files 19574 & 19576

We have received your applications for extension of the time limits to complete construction and make complete application of water under Permits 15156 and 15158. We also have your check in the amount of \$200. Our receipts number 126581 and 126552 are enclosed.

The applications indicate reasonable diligence toward completion of the proposed projects. The time limits to complete construction and make complete application of water are extended to October 1, 1999. The order approving the extension was entered September 15, 1995, at Volume 49, Page 307.

If you have any questions, please contact the Water Rights Section at 378-3739, or toll-free 1-800-624-3199.

Sincerely,

Dallas Miller
Dallas Miller *by jh*
Water Rights Specialist

DM:jh

enclosure



Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE
Water Resources Division
1201 Oak Ridge Drive, Suite 250
Fort Collins, Colorado 80525-5596

July 17, 1995

L54(479)
CRLA/Water Rights

Mr. Dallas Miller
Oregon Water Resources Dept.
Commerce Building
158 12th Street NE
Salem, OR 97310-0210

Re: Applications for Extension of Time for Permits 15156 and 15158

Dear Mr. Miller:

This is in response to your letter of May 30, 1995, which referenced permit numbers 15156 and 15158 for appropriation of water within Crater Lake National Park by the United States.

Enclosed find "Applications for Extension of Time" for a 5-year period for each of these 2 permits, along with a personal check from Jeff Albright of my staff in the amount of \$200.00 to cover filing fees. Please acknowledge receipt of the payment by completing the following information and returning it to this office. An envelope has been provided for your use.

Received payment on _____
(Date)

Check Number 1706

Payment acknowledged by _____
Signature

Thank you. If you have any questions, please contact Jeff at (970) 225-3528.

Sincerely,

for
Owen R. Williams
Chief, Water Rights Branch

690-10-116

F. No. 19574

Application for Extension of Time

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Charles W. Pettee, Acting Chief, Water Rights Branch

Name

National Park Service, 1201 Oakridge Drive, Suite 250

Mailing Address

Fort Collins

City

Colorado

State

80525

Zip

record owner of water permit No. 15156, do hereby request that the time in which to:

- ☐ complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 19 , be extended to October 1, 19 ; and/or the time in which to
- ☒ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which time, now expires on October 1, 1994, be extended to October 1, 1999

I have accomplished the following described works and/or purchase and installation of equipment necessary to the use of water under said permit:

- (1) within the past year See Attachment

- (2) prior to this past year See Attachment

- (3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MANY ACRES HAVE BEEN IRRIGATED) See Attachment

(If additional space is required, attach separate sheet)

Charles W. Pettee
(If signing for a corporation please identify your title)

Dated July 17, 1995

MAIL COMPLETED APPLICATION AND STATUTORY FEE
OF \$100.00 FOR EACH PERMIT TO:

WATER RESOURCES DEPARTMENT
1501 12TH STREET NW
WALLINGFORD, VT 05793

Attachment to Application for Extension of Time
Permit No. 15156, File No. 19574

- (1) within the past year renovations were completed at the historic Crater Lake Lodge and it was reopened for visitor lodging and day use. Water uses include those associated with operation of 71 guest rooms, three kitchens, a 70 seat dining area, and drip irrigation watering of lawn and landscaped areas.
- (2) prior to this past year Annie Spring has supplied water for the Headquarters/Rim System and at Mazama Village. Water is pumped from the spring to the headquarters area and stored in a 150,000 gallon tank. From there water is distributed to approximately 30 buildings in the headquarters area. Water is also pumped from the headquarters area to the Rim and stored in a 180,000 gallon reservoir for distribution to all Rim facilities including the lodge, concessioner dormitory, Rim cafeteria, museum, and comfort stations. Additional future development requiring more water is possible.

Annie Spring is also the source for the Mazama Village area. This water is stored in a 100,000 gallon tank and used at a 231 space campground with 8 comfort stations (one of which includes showers), at 40 modern cabin style rooms, and at the store which includes laundry facilities, showers, and a fueling island. Additional future development requiring more water is possible.

- (3) and have accomplished beneficial use of water to the extent of providing water for park purposes including but not limited to, administration, visitor use, watering of lawns, trees, and shrubs, domestic uses, fire prevention, and dust suppression. In recent years, Average Daily Demand for the May through October period has been approximately 61,794 gallons per day (13,369 gallons per day at the Headquarters area, 33,000 gallons per day at the Rim Village area, and 15,425 gallons per day at Mazama Village area). The Average Daily Demand for the November through April period has been approximately 13,064 gallons per day (8,779 gallons per day at the Headquarters area, 4,285 gallons per day for the Rim Village area).

690-10-116

No. 19576

Application for Extension of Time

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Charles W. Pettee, Acting Chief, Water Rights Branch
Name
National Park Service, 1201 Oakridge Drive, Suite 250
Mailing Address
Fort Collins Colorado 80525
City State Zip

record owner of water permit No. 15158, do hereby request that the time in which to:

- ☐ complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 19__, be extended to October 1, 19__;
 and/or the time in which to
☒ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which time now expires on October 1, 1994 be extended to October 1, 1999.

I have accomplished the following described works and/or purchase and installation of equipment necessary to the use of water under said permit:

(1) within the past year _____

 _____;

(2) prior to this past year See Attachment

 _____;

(3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MANY ACRES HAVE BEEN IRRIGATED) See Attachment

(If additional space is required, attach separate sheet)

Charles W. Pettee
 (If signing for a corporation please identify your title)

Dated July 17, 1995

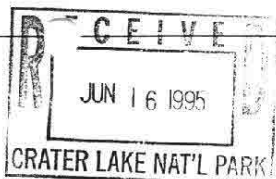
MAIL COMPLETED APPLICATION AND STATUTORY FEE
 OF \$100.00 FOR EACH PERMIT TO:

MAILED BY MAIL ROOM 10/17/95
 155 12TH STREET
 SALEM OR 97331

Attachment to Application for Extension of Time
Permit No. 15158, File No. 19576

- (2) prior to this past year Lost Creek has supplied water via pipeline to a 14 space campground with four hydrants and a comfort station. The water is chemically treated just below the point of diversion and flows by gravity to the place of use.
- (3) and have accomplished beneficial use to the extent of 2,000 to 3,000 gallons per day at the campground from July 1 through September 15. Use of the water is for park purposes including but not limited to, administrative, domestic, visitor use, fire prevention, and dust suppression. Additional developments, coupled with an increase in visitation, may require more water to be consumed in the future.

May 30, 1995



US CRATER LAKE NATIONAL PARK
C/O US DEPT OF INTERIOR
301 S HOWES ST ROOM 353
FORT COLLINS CO 80521

Oregon

WATER
RESOURCES
DEPARTMENT

REFERENCE: File 19574 & 19576

According to the terms of your Permit 15156 and 15158 complete application of water was to have been made by October 1, 1994.

Complete application of water means use of the water for the beneficial purpose described in the permit to the full extent intended. (In the case of irrigation, it means beneficial irrigation of the lands the permittee intends to cover.) This may be a smaller amount than the permit allowed. If the water has been used, you should promptly submit notice describing the extent of completion as set forth in the letter accompanying your permit and also in our postal card of November 8, 1994.

ORS 537.260 provides that: "Whenever the time within which any appropriation under a permit should have been perfected has expired and the owner of the permit fails or refuses within three months thereafter to submit to the Water Resources Director proof of completion of the appropriation as required by ORS 537.230 and 537.250, the Water Resources Director may, after 60 days notice by registered mail, order the cancellation of the permit."

You are hereby notified that, unless proof of beneficial use is received within 60 days from the date of this letter, the permit may be canceled without further notice.

If you are no longer interested in the project described by the permit, we would appreciate being advised. If the property involved has been sold and any part of the project was completed, you should assign the permit to the new owner. An assignment form will be furnished upon request.

If additional information is needed, please contact the Water Rights Section at 378-3739 or toll-free 1-800-624-3199.

Sincerely,

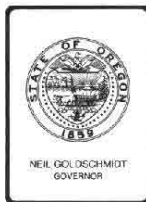
Dallas Miller
Dallas Miller *by jh*
Water Rights Specialist

DM:jh

CERTIFIED - RETURN RECEIPT REQUESTED



Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130



Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310

PHONE 378-3739

January 3, 1990



Owen R. Williams
Chief Water Rights Branch
National Park Service
301 S. Howes St. Room 353
Fort Collins, CO 80521

Reference File: 19574

Your application for extension of the time limits to complete construction and make complete application of water under the terms of your Permit 15156 was received. We also have your check for \$100.

The application indicates reasonable diligence toward completion of the proposed project; therefore, the time limits to complete construction and make complete application of water are extended to October 1, 1994.

Sincerely,

Steven P. Applegate, Manager
Application/Permit Section

Ken

1985

December 20, 1985

LSA(479)
RNR/CRLA

Mr. Stephen C. Brown
Senior Water Rights Specialist
Water Resources Department
3850 Portland Road NE
Salem, Oregon 97310

Dear Mr. Brown:

This is in response to your letter of June 5, 1985, in which you requested information regarding the status of water rights applications numbered 19574 through 19581 for appropriation of water within Crater Lake National Park (CRLA) by the United States.

The National Park Service (NPS) by this letter withdraws applications numbered 19578 (National Creek drainage), 19579 (Bybee Creek drainage), 19580 (Whitehorse--Castle Creek drainage) and 19581 (Red Blanket drainage) all of which are located within the Rogue River Basin. In addition, the NPS withdraws applications numbered 19575 (Bear Creek drainage) and 19577 (Dun-Tides Creek drainage), both located in the Klamath River Basin. However, the NPS specifically reserves the right to make Federal reserved water rights claims for these and all other drainages in CRLA.

Enclosed are completed Applications for Extension of Time for water developments on Annie Creek and Sand Creek (applications numbered 19574 and 19576, respectively). Please find enclosed a requisition for \$200.00; the purchase order number will be PX 1279-C-0536. This amount is paid in the interest of equity and to cover state-incurred expenses associated with these applications. While this fee is being paid at this time, the NPS reserves the right to challenge any and all fees which are inconsistent with established law. Further information regarding the construction of these projects and the beneficial uses to which the water has been put will be included with the United States' claims for water rights in the Klamath River Basin Adjudication.

If you have any questions, please call Ken Gwernowski or me at (303) 221-8339 or (303) 221-8301, respectively.

Sincerely,

Owen Williams

Owen R. Williams
Chief, Water Rights Branch

Enclosure

cc: CRLA - Superintendent
PNE - Byra
SOL - Stein

FNP:KCZARNOWSKI:jr:221-8339:10/27/89:WANG #825

690-10-116

File No. 19574**Application for Extension of Time**

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Owen R. Williams, Chief Water Rights Branch,
Name
National Park Service, 301 S. Howes St., Room 353
Mailing Address
Fort Collins Colorado 80521
City State Zip

record owner of water permit No. 15156, do hereby request that the time in which
☐ complete the construction of works and/or purchase and installation of the equipment necessary
the use of water, which time now expires on October 1, 19 , be extended to October 1, 19
and/or the time in which to
☒ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which ti
now expires on October 1, 1972, be extended to October 1, 1989.

I have accomplished the following described works and/or purchase and installation of equipm
necessary to the use of water under said permit:

(1) within the past year _____

(2) prior to this past year See Attachment.

(3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MAN
ACRES HAVE BEEN IRRIGATED) See Attachment.

(If additional space is required, attach separate sheet)

O. R. Williams Chief Water Rights Branch
(If signing for a corporation please identify your title)

Dated 19 Nov 89

MAIL COMPLETED APPLICATION AND STATUTORY FEE
OF \$100.00 FOR EACH PERMIT TO:

Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

Attachment to Application for Extension of Time
Permit No. 15156, File No. 19574

- (2) prior to this past year Annie Spring has supplied water for the Headquarters/Rim System and the Mazama campground. Water is pumped from the spring to the headquarters area and stored in a 150,000-gallon tank. From there, water is distributed to approximately 30 buildings in the headquarters area. Water is also pumped from the headquarters area to the Rim and stored in a 180,000-gallon reservoir for distribution to all Rim facilities including the lodge, concessioner dormitory, Rim cafeteria, museum, and comfort stations. Additional future development requiring more water is possible.

Annie Spring is also the source for the 198-space Mazama campground. Water is stored in a 100,000-gallon tank and flows by gravity to the campground where it is used by a transient population of about 600 persons per day during the summer months. Additional development based on increased visitation may require the use of increased amounts of water.

- (3) and have accomplished beneficial use of water to the extent of providing water for park purposes including, but not limited to, administration, visitor use, watering of lawns, trees, and shrubs, domestic uses, fire prevention, and dust suppression. Approximately 200,000 gallons per day are used during the summer months at the Mazama campground. About 56,000 gallons are used daily at the Headquarters/Rim System during the summer. Total use of approximately 14,000 gallons per day occurs during the winter months.

1967 DEC 20
CRATER LAKE NAT'L PARK
CRATER LAKE, OREGON



STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
516 PUBLIC SERVICE BUILDING
SALEM 97310

19574
19575
19576
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19578
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Your File L54

Pocket No 1

December 19, 1967

U. S. Department of Interior
National Park Service
Crater Lake National Park
Crater Lake, Oregon 97604

Attention: Marvin L. Nelson
Administrative Officer

SUPT.	
✓ CHIEF I & RM	
A TO SUPT.	
✗ ADM O	
PSNE	
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Gentlemen:

From the examination of your applications for extension of the time limits under Permits Nos. 15156, 15157, 15158, 15159, 15160, 15161, 15162, and 15163, it appears ~~due~~ diligence has been exercised toward completion of the proposed projects; therefore, the time limits to complete construction and make complete application of water under all of the permits are being extended to October 1, 1972.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By *Trevor Jones*
Trevor Jones
Assistant

TJ:py

540

MS-7-61

Application No. 19574

Application for Extension of Time

To the State Engineer of Oregon:

Paul A. Larson, Acting Superintendent

I, for the United States of America, of Crater Lake National Park

state of Oregon, am the owner and holder of Permit No. 15156, to appropriate the public waters of the state of Oregon.

Under the terms and conditions of said permit, construction work is required to be completed on or before, 19, and complete application of water is required to be made on or before, 19.

I have heretofore done the following work described under said permit during the past year:

Replaced 2,700 feet of 6" line with 8" line

and did the following work prior to last year: Installed two 50 GPM centrifugal electric pumps, one 40 GPM and one 20 GPM centrifugal pumps, two rams, underground interception gallery and 24,000 gallon sump, 423,000 gallons storage and approximately 37,000 feet of 3/4", 2", 4" and 6" distribution lines.

costing \$ 232,943 *, and I estimate the cost of completion to be \$ 525,000
*Present capitalized value.

I have heretofore used water under said permit to the following extent: 100,000 gallons per day.

I am unable to { complete construction work } within the required time, for the following reasons, to wit: Funds are not available.
(Strike out phrase not applicable)

(If additional space is required, attach separate sheet)

(A fee of \$2.00 for each permit involved must accompany this application.)

(OVER)

FIXED PROPERTY RECORD

OF PROPERTY (Include reference to the location within the Park; how the asset was acquired, name of contractor, etc.)

WATER SYSTEM, Annie Spring. Water is taken from a large flowing spring which is the source of Annie Creek. The spring is located 200' North of Annie Creek Bridge and is retained by a small masonry dam across the spring area. Two dams are located at the bridge and water is pumped to a 25,000 gallon steel tank housed in a frame structure on the slopes of the hill a short distance away. This storage tank is approximately 1200 feet North of the Annie Creek Bridge. This system supplies water for all facilities in the area including Mazama Campground. Concrete encasement for spring was constructed in 1959, drawing No. NP-CI-3123-A, w/2 stage horizontal centrifugal pump, model 1 $\frac{1}{2}$ -WR2D, EM #1478, S/N 5902281 1 $\frac{1}{2}$ " inlet, 2" outlet, Berkeley brand, w/4 cylinder HD Model AGND Wisconsin engine, S/N 3046885, Size 3 $\frac{1}{2}$ x 4, Spec. 162069, w/starter and 12 volt battery. Work Order No. 332-4 cost of tank, ram and pipe, etc., is entered on Line 6 on reverse side of this card.

Berkeley 2 $\frac{1}{2}$ HP pump, 50 gpm, 550 TDH, 220/110V 3 phase, 3530 RPM \$735.00 1/26/66 see reverse Model 2ZF2.20 8 5/8" impellar-Hubbard-Wray co. Medford. Ser. C2754 EM #2769 NPS #3162

Piping and valves for "Pressure Reducing Station", W/O 211727, Contract 14-100434-732

Work Order 211728, Contract 14-10-0434-733, Thomas Parker and Associates, extended system to loops F and G in Mazama Campground.

Line	DATE	REFERENCE		QUANTITY			COST		
		Journal Vou.	Other	Unit	No. of Units	Accumulated Total	Direct Costs	Indirect Costs	Accumulated Cost
1	9-28-59	34-24		Each	1	1	2,322.69	49.50	2,372.19
2	1-27-60	34-15					2,019.15	309.74	22,701.08
3	1-29-59	34-18					26,674.98	3,657.14	33,033.20
4	6-30-59	34-48						434.80	33,468.00
5	9/10/59	1421	JVO 3/0/60	(Cost of Pump)			601.10		34,069.10

G.L. Acct. General Classification
No. 100.8

UTILITIES SYSTEM

Sub-Classification

Water System 23-71

Region

4

State

Oregon

Park or Office

Crater Lake

WHEREFORE, I ask that the State Engineer extend the time for the

{ completion of construction work }
{ ~~completion of construction work~~ } under said permit to October 1, 1972.
(Strike out phrase not applicable)

AFFIDAVIT OF APPLICANT

STATE OF Oregon

County of Klamath

ss.

I, Paul A. Larson, being first duly sworn, depose and say that I have read the above and foregoing application for extension of time; that I know the contents thereof, and the facts stated therein are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 14th day of September

, 1967.

Paul A. Larson, Acting Superintendent

Subscribed and sworn to before me this _____ day of _____, 19____.

[Notarial Seal]

Notary Public for Oregon

My commission expires _____

Line	DATE	REFERENCE		QUANTITY			COST		
		Journal Vou.	Other	Unit	No. of Units	Accumulated Total	Direct Costs	Indirect Costs	Accumulated
6	5-10-60	34-25		Each		1	74,594.74	2,238.74	50,981.9
7	1/25/66	34-34 PO #236		Each	(85/8" impellar)	1 #262	735.00		51,716.9
8	3/23/66	94-72 1/3211727					169.74	20.69	51,925.7
9	3/14/67	94-0-16	211728				9,235.00	1,477.61	62,638.4
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G.L. Acct. No. 220.7 General Classification Utilities system Sub-Classification Water System 22-71 Region Oregon State Oregon Park or Offi Crater Lake

WATER PUMP, 20 hp Berkeley Pump, 550 TDH 64.1 \$735.00 Property No. 3162

Original Equipment 12/27/65 PO 106-236 735.00

Accessories

Assigned to

DEPRECIATION (Estimated life of original equipment.)

Property No. 3162

U.S. DEPARTMENT OF THE INTERIOR-NATIONAL PARK SERVICE

Crater Lake, Oregon 97604

Hubbard-Wray Co, Inc 909 So Riverside Medford, Ore 97501 BX #2769

MANUFACTURER SERIAL NO.

REPLACES-Property No.

*Hand
make
copies and
file on left hand
side of packet*

251 FINANCE BUILDING
170 12TH STREET S. E.

*1/2 hold this until
letter from Super arrives*



STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

X *[Signature]*
Ketchum

REFER TO FILE NO. 19574-81

July 16, 1962

Crater Lake National Park
P. O. Box 672
Medford, Oregon

Attention Mr. Ward Yeager, Superintendent

Gentlemen:

Enclosed is a copy of the State Engineer's order extending the time limits in which to complete construction work and make application of water under permits numbered 15156 through 15163, inclusive, to October 1, 1967.

Our receipt No. 34303 covering the statutory filing fee you submitted in the amount of \$16 is also enclosed.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
James W. Carver, Jr., Assistant

eh

enclosures
cc - Mr. John B. Wosky

00000

BEFORE THE STATE ENGINEER OF OREGON

Klamath County

IN THE MATTER OF EXTENSIONS
OF TIME IN WHICH TO COMPLETE
CONSTRUCTION WORK AND MAKE
APPLICATION OF WATER UNDER
PERMITS NOS. 15156 to 15163,
INC., IN THE NAME OF CRATER
LAKE NATIONAL PARK

ORDER

The United States of America, Crater Lake National Park, is the holder of permits numbered 15158, 15157, 15160, 15161, 15162 and 15163 for municipal purpose and permits numbered 15156 and 15159 for municipal purposes and operation of a dam, to appropriate a total of 2,108 cubic feet per second of water from a number of springs and streams in Crater Lake National Park.

Mr. Neal G. Guse, Acting Superintendent, has advised the State Engineer that the appropriations have not been made as described in the permits, but it is the desire of Crater Lake National Park to preserve the rights for these developments.

Mr. Guse has further advised that although some construction work has been completed under the permits and a portion of the water has been applied to beneficial use there are no funds available for further construction work at the present time.

The statements in the applications for extensions filed regarding completion of the projects indicate reasonable diligence.

NOW, THEREFORE, it is ORDERED that the time limits in which to complete construction and make complete application of water under the terms of permits numbered 15156, 15157, 15158, 15159, 15160, 15161, 15162 and 15163 be extended to October 1, 1967, under the provisions of ORS 537.230.

Dated at Salem, Oregon this 13th day of July 1962.

/s/CHRIS L. WHEELER
State Engineer

To/ WODC

180 New Montgomery
San Francisco 5, California

May 8, 1962

State of Oregon
Water Resources Department
516 Public Service Building
Salem 10, Oregon

Attention: Mr. Lewis A. Stanley
State Engineer

Dear Mr. Stanley:

In accordance with Acting Superintendent Guse's letter of May 2, 1962 we are enclosing the original copies of Applications for Extension of Time for Permit Nos. 15156 to 15163 inclusive, covering water rights in the Crater Lake National Park.

You will note that in each case requests are made for extensions of time to October 1, 1967, as was recommended by Assistant State Engineer Trevor Jones in his letter of February 27, 1962 to Superintendent Yeager.

Sincerely yours,

(Sgd) John B. Wosky

John B. Wosky
Regional Chief of Operations

Enclosures 9

Copy to: Director w/c of each application and copy of incoming letter
Superintendent, Crater Lake w/c of each application
Chief, WODC (2) w/c of each application

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2M-9-56

Application No.

Application

PERMIT No. 19574.....

Application for Extension of Time

To the State Engineer of Oregon:

Neal G. Guse, Acting SuperintendentI, **for the United States of America**....., of **Crater Lake National Park**.....,state of **Oregon**....., am the owner and holder of Permit No. **15156**....., to appropriate the public waters of the state of Oregon.

Under the terms and conditions of said permit, construction work is required to be completed on or before, 19....., and complete application of water is required to be made on or before, 19.....

I have heretofore done the following work described under said permit during the past year:

Installed 50 GPM Centrifugal Electric Pump, Gasoline Stand By Engine, and a Hydraulic Operated Sump By Pass Valve.

and did the following work prior to last year: **Installed 50 GPM piston pump, 40 gpm centrifugal pump, two rams, underground interception gallery and 24,000 gallon sump, 250,000 gallons storage, and approximately 30,000 feet 4" and 6" distribution lines.**

costing \$ **425,000**....., and I estimate the cost of completion to be \$ **525,000**.....

I have heretofore used water under said permit to the following extent: **100,000**.....
gallons per day

I am unable to {complete construction work
~~make complete application of water~~} within the required time, for the following
(Strike out phrase not applicable)

reasons, to wit: **Funds are not available**

(If additional space is required, attach separate sheet)

(The fee provided by law in the amount of \$2.00 for filing an application for an extension of time should accompany the application for extension.)

(OVER)

WHEREFORE, I ask that the State Engineer extend the time for the

{ completion of construction work }
{ complete application of water } under said permit to October 1, 1967
(Strike out phrase not applicable)

AFFIDAVIT OF APPLICANT

STATE OF Oregon }
County of Klamath } ss.

I, Neal G. Guse, being first duly sworn, depose and say that I have read the above and foregoing application for extension of time; that I know the contents thereof, and the facts stated therein are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 2nd day of May, 1967

Neal G. Guse
Neal G. Guse, Acting Superintendent

Subscribed and sworn to before me this _____ day of _____, 19____

[Notarial Seal]

Notary Public for Oregon

My commission expires _____



STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
818 PUBLIC SERVICE BUILDING
SALEM 10

January 25, 1962

Permits 15156
through 15163

Crater Lake Na-
Park

Your File No.
1-54-OBL

Normie

Mr. Lawrence G. Merriam, Regional Director
National Park Service, Region Four
180 New Montgomery Street
San Francisco, California

Dear Mr. Merriam:

Reference is made to the letter dated July 27, 1961 from Lewis A. Stanley, State Engineer, to Mr. A. van V. Dunn, Chief, Water Resources Section, National Park Service and Mr. van V. Dunn's reply dated August 2, 1961 regarding permits to appropriate water for Crater Lake National Park. Mr. van V. Dunn notified us that the matter was referred to you and I presume copies of previous correspondence have been furnished you.

Your attention is invited to the last paragraph of Mr. Stanley's letter of July 27, 1961 regarding application for extension of the time limits under these permits if you are not using the full amount of water as set forth in the permits as the correspondence seems to indicate. Although action under the permits in question had been suspended for some time, we believe that it is advisable to make application for an extension of the time limits to avoid any possible question regarding the permits. The date for complete application of water specified in the permits is October 1, 1944 so application for extension of time should be for a sufficient period not only to bring this up to date but also to provide for a reasonable time to complete the appropriations.

We should have continued correspondence after Mr. van V. Dunn's letter and we apologize for not doing so particularly in reference to Mr. van V. Dunn's question regarding proofs. Deferring proof until beneficial use of water to the extent intended would be the normal course of action and we believe preferable to attempting proof on the basis of installed capacity of the systems only. If the appropriation has been completed under any of the permits, then proof could be made on these and extension of time requested on the others. In line with this, I have enclosed forms for making application for extension of time. You may rewrite the form so as to include all necessary permits in one application but a fee of \$2.00 for each permit will be required even if a single form is used.

Very truly yours,

LEWIS A. STANLEY
State Engineer

TJ:jh - Enc.

cc: Park Superintendent
Crater Lake National Park

cc: U. S. Dept. of Interior
Attention: Mr. A. van V. Dunn

By Trevor Jones, Assistant

August 2, 1961

LS4-CML

Mr. Lewis A. Stanley
State Engineer
251 Finance Building
170 12th Street, S.E.
Salem, Oregon

Re: Water Right Appl. 19574-19581
Permits 15156-15163
Crater Lake National Park

Dear Mr. Stanley:

We are very pleased to accept the suggestions in your letter of July 27, to make proof for confirming certificates under each subject permit by stream system tributary to the points where those streams leave the Park. The matter is being referred to our Regional Director, Mr. Lawrence G. Merriam, Region Four, 180 New Montgomery Street, San Francisco, and the Park Superintendent, to whom the responsibility for such proofs has been delegated since I prepared the applications for the Superintendent in 1941.

The detailed form of the applications resulted from my attempt to comply with rules and regulations of your office. Mr. Stricklin did not prescribe any particular form although he spoke favorably of it when issued the permits. Neither he nor those in the Park Service anticipated the post war recreational trends and resulting changes in Park developments and proof.

The only point which was discussed by Mr. Stricklin and our attorneys before the applications were filed was whether the water should be appropriated for municipal purposes. The same question was considered at about the same time in connection with the applications for Bryce and Zion National Parks, Utah, and the North and South Rim developments at Grand Canyon National Park, Arizona. Municipal status was accepted in each case. Proof of completed installed capacity for full municipal use has been made, and the certificates have been issued on the permits for Zion and the South Rim of Grand Canyon without too much evidence that the full use was made at the time of licensing, although the rights have been fully exercised at times. A supplemental claim for the South Rim is still in permit form, and there has

been no proof on that, or for the North Rim of Grand Canyon because the water systems are only being enlarged as the demand justifies.

This leads to the question whether you will require proof under the municipal permit of only the adequate installed capacity, as in Utah, or actually of at least one date on which the authorized quantity of water was fully used, as in Arizona. The type of proofs may dictate the number of proofs which are possible at this time. Your reply to this question and any special proof forms for municipal use might be sent to the Regional Director, with a copy to us.

Sincerely yours,

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: Regional Solicitor, Portland, Oregon
✓ Regional Director, Region Four
Superintendent, Crater Lake
Chief, WQBC (2)



251 FINANCE BUILDING
170 12TH STREET S. E.

STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

REFER TO
FILE NO. 15156 thro
15163

Crater Lake National
Park, Oregon

July 27, 1961

L54

Mr. A. van V. Dunn, Chief
Water Resources Section
U. S. Department of the Interior
National Park Service
Washington 25, D. C.

Price
DE Lee
Dunn 8/2/61

Dear Mr. Dunn:

On examination of our files and correspondence in connection with Permits Nos. 15156 through 15163, it seems to me that there may have been unwarranted and unnecessary refinement in the applications and permits, particularly in the descriptions of diversion points and quantities of water to be appropriated at each point. I do not know whether this resulted from your desire to meticulously comply with our rules, or whether this office recommended the procedure.

It surely is in the public interest to take any steps indicated to establish and preserve the rights of the National Park Service to take water as needed for use anywhere within the Park. I do not believe you should be tied down to specific quantities and specific points of diversion unless you desire it that way. If the matter was before me now for determination, I would be favorable to issuance of blanket permits which would set forth the total quantity of water desired from a stream and its tributaries, to be diverted at any point and used at any point within the Park. I think the Park Service should have that right so that changes can be made to meet changing patterns of development. In my view, such blanket rights cannot injure downstream water rights because the total depletion of flow downstream from the Park is dependent on the quantity used in the Park and not upon the specific location of use.

If you concur in this thinking, I suggest that I could issue you a water right certificate confirming the right under each permit for that particular stream system. The certificate would confirm the right to the quantity of water specified in the permit from the stream named and its tributaries for use within the Park and to be diverted

CRLA

A. van V. Dunn

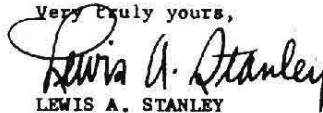
-2-

July 27, 1961

within the Park. Priority would be the date of filing the applications, November 28, 1941. Then if you determine that the quantity of water covered by these permits is not sufficient for future needs, you could file a new application for additional water.

If you are not now using the full amount of water as set forth in the above numbered permits, and if you expect to increase the use, there is no reason why you must make final proof at this time. I will extend the times for completion of construction and complete application of water if you so request.

Very truly yours,



LEWIS A. STANLEY
State Engineer

LAS:ks

cc: Harry J. Hogan
Regional Solicitor

154-OEL

July 20, 1961

State Engineer
State of Oregon
Salem, Oregon

RECEIVED	
NPS REGION FOUR OFFICE	
JUL 21 '61	
SURNAME DATE	
REG. DIR.	
ASST. R.D.	
OPERATIONS	
ADMIN.	
RECREATION	
INTERP.	

Re: Water Right Application 15156-15163
Permits 15156-15163, Crater Lake

Attention: Mr. Jones

Dear Sir:

The enclosed copy of memorandum to Mr. Hogan, Regional Solicitor, Department of the Interior, is in reply to the one forwarded to you with letter of July 13 from Mr. Lufgren of Mr. Hogan's Office.

The problem hinges on whether you consider each application and related permit as one right to water tributary to the designated stream system where it leaves the Park, as I intended in 1941, or a group of rights to the individual sources within that tributary stream system. There are no private lands, or other water claimants within the Park, and I hope that we agree that the controlling points of diversion are on the Park boundary.

The longer we can defer proof of water use for any Park or Monument, the better we can preserve valuable priorities for the increasing public demand. However, the present trends of public use suggest that supplemental appropriations may be needed before proof should be made on the existing permits. I also hope that no rights are restricted by any premature adjudications where some conditional rights might not be recognized.

Sincerely yours,

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Enclosure

Copy to: Regional Solicitor, P. O. Box 3537, Portland, Oregon
Regional Director, Region Four, w/c incoming
Superintendent, Crater Lake, w/c incoming

154-CBL

July 20, 1961

RECEIVED	
NPS REGION FOUR OFFICE	
JUL 21 '61	
SURNAME/DATE	
REG. DIR.	
ASST. R.D.	
OPERATIONS	
ADMIN.	
RECREATION	
INTERP.	
RANGER ACT	

Memorandum

To: Regional Solicitor
1001 W.E. Lloyd Blvd.
P. O. Box 3537
Portland, Oregon

From: Chief, Water Resources Section

Subject: Water Right Applications 19574 - 19581, Permits 15156-15163,
Crater Lake National Park, Oregon

Your memorandum of July 13 indicates that Mr. Jones of the State Engineer's Office confirmed their conception of the status of the subject rights to you and Mr. Dysart as previously suggested in a letter of July 7, 1955, to me from State Engineer Stanley. The most important point is the more up-to-date confirmation that proofs for licenses may be further deferred until full use is made of the claimed quantities, or until a smaller demand is found to be adequate.

My concern resulted from a report of my counterpart in the Fish and Wildlife Service, about two years ago, that the Klamath Termination Act (68 Stat. 718) would become effective on this past January 1, 1961, and an adjudication would follow. I have heard nothing further about an adjudication, but anticipated some confusion over the number of claims to water at different points in the drainage, and at different stages of development, which are covered by such filings as Application 15974, Permit 15156 for water from Annie Creek and its tributaries above the point where that Creek leaves the Park, to use one example.

As Mr. Jones apparently suggested, it will be desirable, and in the public interest, to defer proof at this time because most of the water systems are being reconstructed in our MISSION 66 development program. That program, which was started in 1956, is to provide the facilities needed for the anticipated demand of about 1966. The construction and reconstruction may not be complete by 1966, and the full use of the facilities may not occur as soon as they are available although some units are being completed and fully used ahead of schedule.

As a further consideration the MISSION 66 development plans of 1956 have made those described in the subject water right applications of 1941 partially obsolete. The number of annual Park visitors is increasing more rapidly than originally anticipated, and the visitors do not want the same type of facilities or wish to stay in the areas for the same lengths of time. The quantity of water diverted at some points, or tributary sources, may never be as great as anticipated in 1941, but the quantity diverted at other points may be greater, while the estimated ultimate demand at other points may still be good except for the date when that demand will be reached.

I have assumed that the Park Service can modify the portions of the total claim to 1.26 c.f.s. from Annie Creek, which are diverted at each of the nine points at the time of proof (changes in points of partial diversion) without difficulty. For all practical purposes, the permit is to divert the combined quantity from Annie Creek before it becomes available to others, at the Park boundary, and the portion from Annie Spring and Castle Garden Springs, respectively, does not matter.

However, without confirming records, I believe that Park water use is still within the quantities authorized by the permits, but diversions at some designated points are so close to the authorized totals that they must be supplemented by transfer or new application. I do not know whether a supplemental claim to more water from Annie Creek will be needed by 1966 or 1975, and this is now a matter for our Regional Office, rather than for me, to determine. However, we should establish the priority for any necessary supplemental appropriation as soon as possible.

I do not believe that any of the eight permits should be abandoned, as Mr. Jones seems to have suggested, because the trend of Park attendance does not suggest any ultimate limits of public demand. We may hope at this time that expanded, concentrated facilities at the Lodge area, on the rim, at the Headquarters Area, just below the rim, and at Annie Spring area will eliminate the need for part of the development and water demand at the South Entrance which was contemplated in 1941, but I should hate to see the authorized quantity of water for the South Entrance Area reduced materially by transfer of part of the claim to Annie Spring until we know whether unanticipated future increases in the number of Park visitors may require restoration of plans for more development at the South Entrance.

In talking with Mr. Dyzert, I suggested that he might see if we could make proof of full use of the available supply from a source such as Annie Creek before making proof of full use of Castle Garden Spring which was to be a supply to supplement the Munson Springs supply for the Lodge and Headquarters Areas under the 1941 plan. Mr. Jones advised that there would be no point in such action, and I agree that this might place an undesirable restriction on the priority of rights under which part of the most essential water might be diverted in 1975 unless rights under the established permits, and new ones which may become necessary, were redistributed by another amendment in 1975.

By copies of this memorandum to the State Engineer and our Regional Director, I am suggesting that all of the subject permits be left in their present status until the MISSION 66 development is complete, or until the full authorized quantity of water is used from the stream system to which each permit applies. I also recommend that supplemental applications for the appropriation of water in excess of the authorized quantity from each stream system be filed as soon as the estimates of excess demands from individual sources or points of diversion, of 1975 or 1980 can be determined. The ties to, and descriptions of headgates in the supplemental applications would cover minor changes in points and methods of diversion under the subject permits. The new applications should cover the interchangeability of rights under the two priorities, and there would doubtless be a somewhat excessive claim to water until eliminated by final proofs for licenses.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Copy to: State Engineer, Salem, Oregon
Regional Director, Region Four
Superintendent, Crater Lake

July 13, 1961

State Engineer
State of Oregon
Salem, Oregon

Re: National Park Service Water Right
Applications 19574-19581,
Permits 15156-15163

Attention: Mr. Jones

Dear Sir:

Attached for your information is a copy of the report to
Mr. Dunn of the National Park Service of our telephone
conversation this morning regarding the subject applica-
tions and permits.

I trust that this properly reflects the information re-
ceived from your office on this matter.

Yours very truly,

For the Regional Solicitor

David E. Lofgren, Jr.
Attorney

Enclosure

cc: Chief, Water Resources Section, NPS ✓



UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
PORTLAND REGION
1001 N.E. LLOYD BLVD.
P.O. BOX 3537
PORTLAND, OREGON

154
Pace
N.E. Lee
Dunn

July 13, 1961

Memorandum

To: Mr. Allison van V. Dunn
Chief, Water Resources Section, NPS
Washington, D. C.

From: Regional Solicitor, Portland

Subject: Applications for Water Right Permits, State of Oregon

During Mr. Dysart's conference with you in Washington, D.C., recently you indicated your concern about the status of applications to the State of Oregon for water rights which date back several years.

This matter has been taken up with the State Engineer's office, and we have been advised that in so far as that office is concerned the order of the State Engineer dated November 17, 1942, which granted permits 15156 to 15163, allowed you to defer indefinitely the development of the rights covered by applications numbered 19574 to 19581, and this sufficiently protects the Government as to the rights applied for. Mr. Jones, with whom we talked, advised that there would be no point in obtaining a final certificate for each diversion, particularly since the rights are clearly in the public interest, being located on federal lands, and are not controverted. He suggested, however, that if all the rights applied for on one or several of the applications are developed, certificates could be issued for those applications and the corresponding permits. He also indicated that when you review this matter further you may wish to drop some of the rights applied for in the event you find they are no longer needed. This, however, would merely serve to clear the record to reflect changes you may wish to make. I did not receive the impression, however, that this is something you must undertake immediately.

If we can be of further assistance to you in this matter, please do not hesitate to call on us.

Harry J. Hogan
Regional Solicitor

cc: State Engineer
State of Oregon

Reg. J



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D. C.

IN REPLY REFER TO:

154-1

July 15, 1955

Mr. Louis A. Stanley
State Engineer
Salem, Oregon

Dear Mr. Stanley:

We are pleased to accept your suggestion to leave Water Right Applications 19574 through 19581, Permits 15156 through 15163, for the use of water at Crater Lake National Park, in their present inactive status until we are ready to make proof on all use authorized under a single permit. We shall advise you as each proof can be made.

Sincerely yours,

/s/ A. van V. Dunn

A. van V. Dunn
Chief, Water Resources Section

RECEIVED WITH MEMO OF 7/15/55



STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

REFER TO
FILE NO. _____

July 7, 1955

Princeton

Mr. A. van V. Dunn, Chief
Water Resources Section
U. S. National Park Service
Washington 25, D. C.

Dear Mr. Dunn:

This will reply to your letter dated July 1, 1955 referring to Applications Nos. 19574 through 19581, Permits Nos. 15156 through 15163.

I note that Mr. Stricklin, former State Engineer, entered an order on the 17th day of November 1942, reciting the facts with regard to these applications and stating:

"IT IS HEREBY ORDERED that action under Permits No. 15156 to No. 15163, inclusive, in the name of The United States of America, be suspended until such time hereafter as general conditions have reached a stage permitting the resumption of work under these permits and it is further ordered that the permits remain in good standing during the interim."

I believe his action was properly in the public interest and that no change in the status of the permits should be made until you are ready to make your final proof. If you so desire, we will simply hold the permits in an inactive status until you advise that you are ready to make proof under them. With that concept it will not be necessary for you to make final proof on any particular portion of the appropriation until all have been completed or until you have completed the appropriation to your own satisfaction.

Very truly yours,

Lewis A. Stanley

LEWIS A. STANLEY
State Engineer

LAS:VC

C
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P
Y

L-54-L

July 1, 1955

Rec'd: July 6, 1955

Mr. Lewis A. Stanley
State Engineer
Salem, Oregon

2/
re: Application 19574 - 19581
Permits 15156 - 15163
Crater Lake National Park

Dear Sir:

An Order suspending action on the eight designated water rights was issued on November 17, 1942, in response to a letter of November 12, 1942, from former Superintendent E. P. Leavitt of the Park. The action was requested due to war time conditions which were followed by a recovery period during which Congress appropriated few funds for development of the national parks and monuments. In fact, we are still unable to obtain adequate funds to complete and enlarge the Park facilities to accommodate the Park visitors which have increased from an annual total of 273,564 in 1941 to 370,554 in 1954 at Crater Lake.

We assumed that Mr. Stricklin would notify us when he considered more rigid compliance with the state water laws necessary but none were received before he retired. We shall appreciate your suggestions as to whether to leave the claims in suspended status or reactivate them, and apply for an extension of time in which to complete construction. You will note from Mr. Leavitt's letter of November 12, 1942, that we did not anticipate completion of the systems and full use of the water until 1960 when we expected the national population and probable Park use to reach a stable maximum. On that basis, we could now request a five-year extension of time.

Of course, the date for maximum national population, and its magnitude have been re-estimated since the war, and the assurance of a limit within a reasonable time is less clear. We are now re-appraising park uses and working on a program to try to cope with 1966 attendance which may still be increasing. For that reason, the suggested five-year extension of time for water right perfection may, or may not, be sufficient.

You will also note that the water right applications each cover a number of water systems in one drainage. If all water systems covered by one application and permit must be completed before proof for final license is made, the time will have to be extended until

C O P Y

C O P Y

the most backward development is completed. I wonder, therefore, whether we have to wait until we can prove up on all systems under one claim, or whether we could prove up on each unit as the use of the authorized quantity of water or lesser maximum available supply is reached. We are doubtless using all available or authorized water from some of the spring sources now.

Yours sincerely,

(Signed)

A. van V. Dunn
Chief, Water Resources Section

Copy to: Regional Director, Region Four
Superintendent, Crater Lake
Western Office of Design and Construction

C O P Y

JUDICIAL COUNCIL

STATE OF OREGON

CLATSOP COUNTY

Clatsop County

IN THE MATTER OF THE SUB-
PENSION OF ACTION UNDER
PERMITS NO. 15156 TO NO.
15163, INCLUSIVE, IN THE
NAME OF THE UNITED STATES
OF AMERICA (CRATER LAKE
NATIONAL PARK).

ORDER

SUSPENDING ACTION

On November 28, 1941, the United States National Park Service through its agent, Mr. E. P. Leavitt, the superintendent of Crater Lake National Park, filed Applications No. 19574 to No. 19581, inclusive, for permits to use water from a number of springs and streams in Crater Lake National Park for municipal purposes.

These applications were approved January 30, 1942, by issuance of Permits No. 15156 to No. 15163, inclusive.

On November 13, 1942, reports of beginning of construction indicating due diligence in the prosecution of work under all of the above-numbered permits, were received by the State Engineer.

These reports were transmitted by a letter from Mr. Leavitt, setting forth that the present national emergency seriously curtails the use of water as contemplated under the permits in question and that no further funds nor equipment will be available to the Park Service during the war and for an indeterminate period thereafter and requesting that the usual requirements as to the submitting of reports of progress under the filings involved, be waived for the duration of the emergency.

Upon consideration of the foregoing facts and the further fact that diligence has been shown by the permittee in the preparing and submitting of comprehensive reports, maps and data in connection with the permits in question, and that the water involved is for the use of the public,

Rec'd from OR Water Resources Dept
12/22/88

ON VERIFICATION (CV) RELATIVE
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ROCKWELL V. M

ORDER

KNOWINGLY CONSENT

RECEIVED THE DEPT. ENGINEER ON CHIEF

RECEIVED THE DEPT. ENGINEER ON CHIEF

IT IS HEREBY ORDERED that action under Permits No. 15196 to
 No. 15163, inclusive, in the name of The United States of America, be sus-
 pended until such time hereafter as general conditions have reached a
 stage permitting the resumption of work under these permits and it is
 further ordered that the permits remain in good standing during the in-
 terim.

Dated at Salem, Oregon this 17th day of November, 1942.

Charles E. Stricklin
 CHAS. E. STRICKLIN
 State Engineer

Red From OR Water Resources Dept
 12/22/88

C O P Y

*Crater Lake
Dec 9*

STATE OF OREGON
OFFICE OF THE
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

File No. 19574-81

November 18, 1942

Mr. E. P. Leavitt, Superintendent
Crater Lake National Park
Medford, Oregon

Dear Mr. Leavitt:

This will acknowledge receipt of your letter of November 12, with which you enclosed reports of beginning of construction under Permits No. 15156 to No. 15163, inclusive, in the name of The United States of America.

Pursuant to the request contained in your letter, action on these permits is being suspended, as indicated in State Engineer's Order of November 17, 1942, a copy of which order is enclosed herewith.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

By /s/ Ed. K. Humphrey

Ed K. Humphrey, Assistant

EKH:LD
Enclosure

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
CRATER LAKE NATIONAL PARK

MEDFORD, OREGON

Nov. 12, 1942

State Engineer,
Salem, Oregon.

Re: Water Right Applications 19574-19581.

Dear Sir:

We enclose notices of beginning of construction of the water systems covered by the above applications. May we also take this opportunity to request the most liberal consideration possible in time limits to complete these developments.

We have claimed municipal status to permit us to develop and expand the systems as needed with increasing park attendance, which we do not expect to reach its peak until about 1960. In addition, for the duration of the war no further funds can be expected for construction even if we could find the labor and obtain high enough priority to permit delivery of materials. Park attendance has also fallen to less than half of that of 1941 during the current season so that no proof of beneficial use can be expected until after the war. Even the permanent staff is greatly depleted.

For these reasons, we make the added suggestion that all further reports might be suspended until one or two years after the war with resulting saving in work for your staff as well as ours. On request, California has already granted us certain similar concessions.

We might add that the Federal Government is preparing for post war stabilization activity. The Park Service is now preparing an "on the shelf program" of designs mentioned in the notices of beginning of construction so far as the past summer's work has applied to the completion of designs for the diversions from Castle Crest Garden Spring, Annie Creek and Wheeler Creek. It is anticipated

that, subject to reconversion of manufacturing plants, and the time needed to assemble crews, there will be considerable work on water systems shortly after the close of the conflict and such completed construction should be reported within two years.

Yours very truly,

/s/ E. P. Leavitt

E. P. Leavitt,
Superintendent.

Enclosure 2122062.

Form A

Application No. 19574

NOTICE OF BEGINNING OF CONSTRUCTION.

I, United States of America, by E. P. Leavitt, Supt.,
Crater Lake National Park, the holder of Permit No. 15156

to appropriate the public waters of the state of Oregon, began the actual construction of the works described
 about the 15th day of July, 1903.
 therein on the ~~15th~~ day of July, 1903.

Remarks: Garfield Spring diversion completed 1903. All systems now completed to pro-
 The appropriator should state the manner of beginning construction work, number of men employed, the amount of work completed

vide varying proportions of ultimate capacity except diversions 5, 7, and 9. Detailed sur-
 up to the date of this statement, and any additional information which may tend to show the beginning of work in good faith.

veys for diversions 5 and 9 made summer of 1942. No construction during 1942 because of
war conditions.

IN WITNESS WHEREOF, I have hereunto set my hand this 12th day of November, 1942

E. P. Leavitt
 (Signature of Applicant)

UNITED STATES OF AMERICA,
 By E. P. Leavitt
 (Signature of Applicant)
 Superintendent, Crater Lake National Park.

113 Vancouver Ave., Medford, Oregon
 (Address)

Medford, Oregon.
 (Address)

Fill out, detach, and mail to the State Engineer, Salem, Oregon, when construction work is begun.

STATE PRINTING DEPT.

C O P Y

STATE OF OREGON
Office of the
STATE ENGINEER
Water Resources Department
SALEM

February 14, 1942

United States Dept. of the Interior
Crater Lake Nat'l. Park
Crater Lake, Oregon

Attention: Mr. E. P. Leavitt, Superintendent

Gentlemen:

Herewith you will find Application No. 19574, Permit No. 15156,
together with blue print.

The application has been approved and recorded in this office.

PLEASE READ CAREFULLY THE FOLLOWING INSTRUCTIONS:

Your permit has been recorded in this office, but you should hold
the original as evidence of your water right unless the land described therein
is disposed of. In that event you should file an assignment to the new owner
for record in this office. Assignment blanks will be furnished upon request.

Your application indicates that construction of your project de-
scribed in this permit has already begun. Therefore no Notice of Beginning of
Construction will be required. You will note that the permit, which appears
on the back page of the application form, limits the time within which you may
complete construction and make complete application of water. The State
Engineer is authorized to grant extensions of time on proper showing for the
completion of work.

Whenever a measuring device becomes necessary for the proper dis-
tribution of water the permittee will be required to install one to the sat-
isfaction of the State Engineer as provided by Section 116-501, O. C. L. A.

Notices are attached to the permit for your convenience in sub-
mitting your report on completion of construction work and complete applica-
tion of water. As soon as the work is completed and the water applied to
the proposed use, you should notify the State Engineer, who will then give
consideration to the matter of final proof, after which a water right certi-
ficate will be issued.

If your use of water is for irrigation, proof can be made only after
you have actually irrigated ALL of the land described in your permit which
you intend to irrigate.

Very truly yours,

/s/ Chas. E. Stricklin

CHAS. E. STRICKLIN
State Engineer

FORM #109

Permit—5M-5-39

Received
8:00 A.M.
NOV 28 1941
STATE ENGINEER
SALEM, OREGON

Klamath River

Permit No. 15156

* 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

(Post office)

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 Annie Creek
(Name of stream)
....., a tributary of the Klamath River through Wood River.

2. The amount of water which the applicant intends to apply to beneficial use is 1.19 cfs
cubic feet per second. See rider.
(If water is to be used from more than one source, give quantity from each) § 1.26

**3. The use to which the water is to be applied is municipal at Crater Lake
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)
National Park. & operation of ram

4. The point of diversion is located ft. and ft. from the
(N. or S.) (E. or W.)
corner of See rider.
(Section or subdivision)

(If preferable, give distance and bearing to section corner)

(If there is more than one point of diversion, each must be described. Use separate sheet if necessary)
being within the of Sec., Tp.
(Give smallest legal subdivision) (N. or S.)

R., W. M., in the county of
(E. or W.)

5. The pipe lines are described on rider. to be
(Main ditch, canal or pipe line) (Miles or feet)
in length, terminating in the of Sec., Tp.
(Smallest legal subdivision) (N. or S.)
R., W. M., the proposed location being shown throughout on the accompanying map.
(E. or W.)

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
(Loose rock, concrete, masonry,
rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate
(Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description
(Size and type of pump)
(Size and type of engine or motor to be used, total head water to be lifted, etc.)

¹A 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 Hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

(i) *The nature of the mines to be served*.....

MUNICIPAL OR DOMESTIC SUPPLY—

10. (a) To supply the city of major village developments at Crater Lake National Park, Klamath County, having a present population of See rider and an estimated population of in 193....

(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, \$200,000.....

12. Construction work ~~will begin~~ was begun in 1903. See rider.

13. Construction work will be completed on or before About 1960.

14. The water will be completely applied to the proposed use on or before About 1960.

UNITED STATES OF AMERICA

By E. P. Leavitt

(Signature of applicant)

Superintendent

Crater Lake National Park

Signed in the presence of us as witnesses:

(1) Thomas C. Parker 1324 Queen Ave Medford Oregon
(Name) (Address of witness)

(2) G. T. Hopper 331-E-6th Medford Ore.
(Name) (Address of witness)

Remarks: The septic tanks for the Rim Area development are in the drainage
of Castle Creek, a tributary of the Rogue River. The major part of all
other diverted water will be returned to Annie Creek after treatment.

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....., 193....

WITNESS my hand this..... day of....., 193....

STATE ENGINEER

STATE OF OREGON }
County of Marion, }

PERMIT

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 1.26 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.....

The use to which this water is to be applied is Municipal and Operation of Ram, being 1.11 c.f.s. for Municipal and 0.16 c.f.s. for operation of ram.

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 23, 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

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

/s/ Chas. E. Stricklin
STATE ENGINEER

Permits for power development are subject to the payment of annual fees as provided in sections 1 and 2, chapter 74, Oregon Laws 1933.

Application No. 13554
Permit No. 13556

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 23th day of November 1941, at 8:30 o'clock A. M.

Returned to applicant:

Corrected application received:

Approved: January 30, 1942

Recorded in book No. 27 of 13556

Permits on page 13556

CHAS. E. STRICKLIN
STATE ENGINEER

Drainage Basin No. 14 Page 27

Fees Paid 11-25

Garfield Spring	0.01 c.f.s. for municipal use
Unnamed Springs	
(Rim Diversion No. 2)	0.36 c.f.s. for municipal use
Unnamed Springs	
(Headquarters Spring)	0.02 c.f.s. for municipal use
Unnamed Springs	
(Cabin Springs)	0.02 c.f.s. for municipal use
Castle Crest	
Garden Spring	0.22 c.f.s. for municipal use
Annie Spring	0.16 c.f.s. for municipal use
Pole Bridge Creek	(0.16 c.f.s. Operation of Ram
	(0.05 c.f.s. for municipal use
Cold Springs	0.01 c.f.s. for municipal use
Annie Creek	0.25 c.f.s. for municipal use

Rider

2. Amount of Water:

1.26

The appropriation of 1.10 second feet from Annie Creek is to be made from various points, all tributary to that stream in the federally owned land within Crater Lake National Park, as follows:

- (1) At Garfield Spring, tributary through Munson Creek and herein designated as Rim Diversion No. 1..... 0.01 sec.ft.
- (2) At nameless springs at head of Munson Creek herein designated as Rim Diversion No. 2..... 0.36 sec.ft.
- (3) At nameless springs at head of Munson Creek locally called Headquarters Spring and herein designated as Diversion No. 3..... 0.02 sec.ft.
- (4) At nameless springs at head of Munson Creek locally called Cabin Spring and herein designated as Diversion No. 4..... 0.02 sec.ft.
- (5) At Castle Crest Garden Spring, tributary to Munson Creek and herein designated as Diversion No. 5..... 0.22 sec.ft.
- (6) At Annie Spring, being main source of Annie Creek and herein designated as Diversion No. 6... 0.16 sec.ft.
- (7) From Pole Bridge Creek, tributary to Annie Creek, at point herein designated as Diversion No. 7..... 0.16 " " for ram
0.05 sec.ft. for municipal
- (8) At Cold Spring, tributary to Annie Creek and herein designated as Diversion No. 8..... 0.01 sec.ft.
- (9) At point on Annie Creek near the South Park Entrance and herein designated as Diversion No. 9..... 0.25 sec.ft.

All of said diversions are above any point on said Annie Creek where those other than the United States can make diversions without a grant of right of way which does not now exist. Except as hereafter described, the major portion of all water covered by this application is again returned to the stream system above any point where those other than the United States can make such appropriations.

4. Points of Diversion:

All points of diversion are in unsurveyed land in the south half of Crater Lake National Park. The boundary of said park was first surveyed by the General Land Office between July 13 and September 25, 1903, starting from Mt. Scott as the initial point for latitude and longitude, and running east 67.84 chains to the initial boundary marker on Longitude 122°00'00" of the U. S. Datum. In 1904 Mt. Scott was referred to the North American Datum by the Coast and Geodetic Survey with the result that said boundary

is no longer described exactly as in the enabling act. By surveys and resurveys in 1905 and 1930 the General Land Office extended certain townships to the park boundary and tied them to boundary markers. A GLO 1872 survey actually included T's. 31 & 32 S., R. 7 $\frac{1}{2}$ E., W.M., within the park, but these section corners are now largely lost. Between June 1 and September 15, 1909, the General Land Office retraced the park boundary, setting permanent monuments and noting intersection of section lines.

All descriptions in this, and accompanying applications for the appropriation of water in the Klamath and Rogue River drainages for said park, are based on the projection of standard sections from said park boundary. Ties are given by true bearing at the central meridian in the park. The accompanying map is plotted to the Lambert projection of plane coordinates for the State of Oregon and ties shown thereon are to the grid azimuth of that projection which differs from the said mean true North by 1°07'.

The points of diversion are accordingly located as follows, all in the county of Klamath:

Rim Diversion No. 1:

N 84°54' E, 37,577 feet from Boundary Monument No. 15, being within the probable NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 9, T 31 S, R 6 E, W. M.

Rim Diversion No. 2:

N 85°03' E, 34,577 feet from Boundary Monument No. 15, being within the probable SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 8, T 31 S, R 6 E, W. M.

Diversion No. 3:

N 85°46' E, 34,332 feet from Boundary Monument No. 15, being within the probable SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 8, T 31 S, R 6 E, W. M.

Diversion No. 4:

N 88°38' E, 33,910 feet from Boundary Monument No. 15, being within the probable NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 8, T 31 S, R 6 E, W. M.

Diversion No. 5:

S 89°04' E, 36,309 feet from Boundary Monument No. 15, being within the probable SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 9, T 31 S, R 6 E, W. M.

Diversion No. 6:

N 73°17' E, 27,291 feet from Boundary Monument No. 8, being within the probable NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 13, T 31 S, R 5 E, W. M.

Diversion No. 7:

N 8°33' E, 15,921 feet from Boundary Monument No. 120,
being within the probable SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 32,
T 31 S, R 6 E, W. M.

Diversion No. 8:

N 10°33' E, 15,037 feet from Boundary Monument No. 120,
being within the probable NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 32,
T 31 S, R 6 E, W. M.

Diversion No. 9:

S 20°24' E, 12,067 feet from Boundary Monument No. 111,
being very near the SW corner of the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of
Section 25, T 32 S, R 6 E, W. M.

5. Main Pipe Lines:

The following pipe lines are numbered in the same order as the related points of diversion:

Pipe Line No. 1 is 2800 feet in length, terminating at the Rim Area Distribution Reservoir in the probable SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 4, T 31 S, R 6 E, W. M.

Pipe Line No. 2-A is 4915 feet in length, terminating at the aforesaid Rim Area Distribution Reservoir in said Section 4, being a pump line.

Pipe Line No. 2-B is approximately 1000 feet in length, terminating at the main Headquarters Distribution Reservoir in the probable SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 8, T 31 S, R 6 E, W. M., being a gravity line.

Pipe Line No. 3-A is 175 feet in length, terminating at the aforesaid main Headquarters Distribution Reservoir in said Section 8.

Pipe Line No. 3-B is 60 feet in length, terminating at an auxiliary distribution reservoir in said SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 8.

Pipe Line No. 4 is 125 feet in length, terminating in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of said Section 8.

Pipe Line No. 5 will be approximately 4500 feet in length, terminating at the pump sump of Rim Diversion No. 2 and at the main Headquarters Distribution Reservoir as said points have been previously designated. Laterals will also be provided to collect and commingle the waters from Diversions Nos. 3 and 4 for more unified distribution.

Pipe Line No. 6 now consists of two parallel lines each 335 feet in length, terminating at the Annie Springs Distribution Reservoir in the probable NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 13, T 31 S, R 5 E, W. M.

Pipe Line No. 7 will be approximately 1000 feet in length, terminating at a distribution reservoir whose site is not yet determined in probable Section 32, T 31 S, R 6 E, W. M.

Use No. 8 is made without pipe line, at spring well at point of diversion.

Pipe Line No. 9 will be approximately 1800 feet in length, terminating at a distribution reservoir in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 25, T 32 S, R 6 E, W. M.

6 (a) & (b). Headworks:

Rim Diversion No. 1 is made in timber-lined spring well, 2 feet square and 1.5 feet deep. More durable masonry walls may be provided in the future.

Rim Diversion No. 2 is made by a system of tile pipe over the spring area, all draining into a concrete collecting sump of 23,000 gallon capacity at the pump site or main point of diversion.

Diversion No. 3 is made at two masonry dams across the spring outlets, each approximately 10 feet long at crest, 4 feet long at base, with heights of 2 feet. The diversion pipes are threaded for caps or screens. Water is diverted without valves to full pipe capacity or spring flow, and surplus is returned to natural spring outlet by overflow at distribution reservoirs.

Diversion No. 4 is made at masonry dam across spring outlet, 12 feet long on crest, 4 feet long at base, and 2 feet high. Diversion pipe operates as at diversion No. 3.

Diversion No. 5 will probably be similar to Rim Diversion No. 2.

Diversion No. 6 is made at masonry dam across spring outlet, 20 feet long at crest, 10 feet long at base, and 5 feet high. Present diversion is by rams to be described under 6 (c).

Diversion No. 7 will probably be similar to diversion No. 6 for the preliminary development.

Pole Ch
No Diversion No. 8 consists of a small rock-walled spring well in which buckets are filled. This source will be largely superseded by proposed diversion No. 7.

Diversion No. 9 will consist of filtration galleries and a concrete collecting sump in the bank of Annie Creek.

6 (c). Pumps:

All diversions herein described are by gravity with the following exceptions:

Rim Diversion No. 2 is made by a Fairbanks-Morse centrifugal pump rated at 160 g.p.m. and driven by a double acting Diesel engine. The pump lift is 562 feet. A gravity system from the same pump sump serves the Headquarters area.

Diversion No. 5 will also be by pump unit similar to that at Rim Diversion No. 2. The pump lift from Diversion 5 to Rim Diversion No. 2 is 322 feet, to the main Headquarters Distribution Reservoir is less. The total lift to the Rim Distribution Reservoir is 884 feet. A detailed design is still to be prepared.

Diversion No. 6 is now made by one No. 3 ram and one No. 4 $\frac{1}{2}$ ram, both working under 20 foot heads and lifting the water 85 feet. With increasing water demand it is planned to replace the rams with a pump to permit full consumption use of the water now wasted by ram operation. Waste water from the rams now discharges into Annie Creek 150 feet below the point of diversion.

Diversion No. 7 is not fully designed. At point designated it is possible to use the rams to be removed at Diversion No. 6.

Diversion No. 9 will probably be by electrically driven pumps. Plans cover two alternates:

A. Automatic units with pressure tanks.

B. Pumping to elevated tanks with total lift of approximately 120 feet, which would offer greater choice of pump unit and power.

All existing systems are provided with redwood or concrete distribution reservoirs with capacities ranging from 4500 to 200,000 gallons. Units will be increased with probable maxima of 1,000,000 gallons, of which half would be for fire protection and half for excess demands of a few annual peak days or a peak week.

7 (c). Pipe Sizes:

Pipe No. 1:

Length 2800 feet; diameter 1.5 inches boiler tube; total fall 328 feet; grade variable but all below a uniform gradient; estimated capacity is 0.069 sec. ft., which is in excess of spring flow.

Pipe No. 2-A:

There are 2425 feet of 4-inch G.I. from pump to point on distribution pipe whence water is both diverted and distributed through 2490 feet of 6-inch cast iron pipe; pump lift is 562 feet on variable grade. Capacity is adequate for 160 g.p.m. pump unit.

Pipe No. 2-B:

Length 1000 feet; diameter 4-inch G.I.; total fall 58 feet; on variable grade below gradient; estimated capacity is 0.5 sec. ft., which exceeds spring flow.

Pipe No. 3-A:

Length 175 feet; diameter 4-inch G.I.; fall 36 feet; fairly uniform grade; estimated capacity 1.0 sec. ft. which exceeds spring flow.

Pipe No. 3-B:

Length 60 feet; diameter 2 inches G.I.; fall 6 feet; grade uniform; estimated capacity 0.11 sec. ft. which exceeds spring flow.

Pipe No. 4:

Length 125 feet; diameter 3 inches G.I.; fall 5.7 feet; grade fairly uniform; estimated capacity 0.2 sec. ft. which exceeds spring flow.

Pipe No. 5:

Length 4500 feet; diameter 4 inches G.I.; lift 322 feet; grade variable; pump capacity to be adequate for 0.22 sec. ft.

Pipe No. 6:

Ram intake lengths 150 feet; diameter to #3 is 3 inches and to No. 4 $\frac{1}{2}$ is 4 inches, G.I.; fall 20 feet with pipes below gradient; both discharge pipes, length 335 feet; diameter 2 inches; lift 85 feet on variable grade below gradient. Estimated water delivered to rams 0.16 sec. ft. Measured delivery to distribution reservoir 9.90 g.p.m.

Pipe No. 7:

Design incomplete. May use ram installation from Annie Springs temporarily, providing adequate pump system or changing point of diversion for gravity system when needed.

Diversion No. 8:

No pipe.

Diversion No. 9:

Pipe sizes to depend on type of pump system selected;
probable length 1800 ft.; diameter 4 inches, G.I.;
lift 120 feet; capacity at least 0.25 sec. ft.

10 (a). Municipal Supply:

The village development provides permanent accommodations for 250 people and temporary accommodations for maximum past attendance of 252,500 people per year, nearly all of whom make their visit during July, August and September to give an average guest population of 2525 per day. From graph on accompanying map an attendance of at least 350,000 per year can be expected by 1960, together with necessary increases in permanent administrative and operating personnel. Winter attendance is increasing at an even higher rate with increasing popularity of winter sports, which suggests that actual 1960 attendance may easily exceed 400,000; and that all year water use will be an increasingly important feature.

The village development is now divided between the Rim, Headquarters and Annie Springs areas, with minor campgrounds at other areas designated. In order not to spoil the natural beauty, the necessary increases in facilities are being scattered in small units which can be more easily hidden in favorable areas. Winter sports also require that some of the facilities be at the lower elevations of the park where comfortable night lodging will be provided more easily. This suggests increasing use of the Annie Spring, Cold Spring-Pole Bridge, and South Entrance Areas.

The water use is definitely that of a municipality for a hotel and lodge, residences and cottages, a store, museum, comfort stations, administration and post office building, campgrounds, machine shops, maintenance camps, garages, blacksmith shops, stables, gasoline stations, and picnic grounds. Irrigation with hose is similar to that in normal residential areas, but native shrubs predominate and exotic lawns are kept at a minimum.

12. The Lodge and water supply from Diversion No. 1 were constructed in 1903.

The supplemental water supply from Diversion No. 2 was started before or during 1930.

The Headquarters Area and Diversions Nos. 3 and 4 were started during, or before, 1927.

The Annie Springs development was started about 1916.

Camping at the Cold Spring-Pole Bridge Area probably started about 1916 or before.

All of the preceding developments are part of one continuing development and water use which was started by creation of Crater Lake National Park by act of Congress, dated May 22, 1902.

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

→ Mr. Berte MW
745-9-15-69
H. R. R. R.
Order Lake

Before Commissioners: John M. Nassikas, Chairman;
L. J. O'Connor, Jr., Carl E. Bagge,
John A. Carver, Jr., and Albert B. Brooke, Jr.

Lands Withdrawn in)
Project No. 259)

ORDER VACATING POWER WITHDRAWAL UNDER
SECTION 24 OF THE FEDERAL POWER ACT

(Issued September 9, 1969)

Application has been filed by the National Park Service
and the U.S. Forest Service (Applicants) for vacation of
the power withdrawal pertaining to the following described
lands of the United States:

Willamette Meridian, Oregon

T. 32 S., R. 6 E., sec. 13, SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$;
sec. 24, W $\frac{1}{2}$;
sec. 25, NE $\frac{1}{4}$ NW $\frac{1}{4}$.

(approximately 480 acres)

The lands are withdrawn pursuant to the filing on
October 27, 1921 of an application for preliminary permit
for Project No. 259. Notice of land withdrawal for the
project was given to the General Land Office (now Bureau
of Land Management) by letter dated January 18, 1922.
A 21-month preliminary permit for Project No. 259 was
issued to the Fort Klamath Meadows Company September 12,
1922. The company filed application for license for
Project No. 259 on October 21, 1924, but the application
was considered rejected as of December 19, 1925 due to
failure on the part of the applicant to furnish sufficient
data and information concerning the proposed project.

- 2 -

The project, as proposed, was to consist of a diversion dam across Annie Creek and a conduit extending two miles downstream to a powerhouse with an installed capacity of about 1,000 horsepower and was to provide power for domestic use and irrigation for settlers on lands owned by the Fort Klamath Meadows Company.

The subject lands lie along Annie Creek (also known as Anna Creek) in the upper drainage area of the Klamath River near the south gate entrance to Crater Lake National Park. Almost all of the subject lands were transferred from the Crater National Forest (now the Winema National Forest) to the Crater Lake National Park by the Act of May 14, 1932 (47 Stat. 155). This Annie Creek corridor now provides the most scenic entrance to the park, and the applicants urge that the scenic value of the canyon be preserved by removing the threat of possible power development, which would be inconsistent with the present use of the canyon and plans for future administrative uses.

The U.S. Geological Survey estimates that the drainage area above the diversion site proposed in Project No. 259 is about 28 square miles and would provide a flow of about 35 cfs 90% of the time and an average flow of about 70 cfs. The plans for proposed Project No. 259 were to develop a head of about 165 feet. There are no known plans under active consideration for power development which would affect the subject lands. The U.S. Geological Survey reports that power development would not be practical and recommends that, considering the negligible power value compared with the public benefits to be derived from present and proposed national park use, the power withdrawal be vacated.

The Commission finds:

The withdrawal of the subject land pursuant to the application for Project No. 259 serves no useful purpose and should be vacated.

- 3 -

The Commission orders:

The withdrawal of the subject land pursuant to the application for Project No. 259 is hereby vacated in its entirety.

By the Commission.

(S E A L)

Gordon M. Grant,
Secretary.

C O P Y

x Mt. Rainier-Tipsoo Lake
x Mt. Rainier-Ohanapeecosh
x Mt. Rainier-White River
x Mt. Rainier-Carbon River
x Yosemite-Mariposa Grove
x Tonto 660-05.7
x Crater Lake 660-05.7
x Pinnacles 660-05.7

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
CHICAGO, ILLINOIS
54

March 24, 1944.

MEMORANDUM for the Regional Director, Region Four.

This will acknowledge Mr. Dunn's memorandum of March 6, together with complete assemblies of Pinnacles National Monument deeds Nos. 4 and 5, and water right applications 8969 and 9083 respectively.

This will also acknowledge Mr. Dunn's memorandum of March 16, together with Yosemite National Park deed No. 47; Mt. Rainier National Park deeds 3-13 inclusive; Tonto National Monument deeds Nos. 3 and 4; and Crater Lake National Park deeds Nos. 9-17 inclusive.



/s/ Conrad Wirth

Chief of Lands.

Supporting Hydro Data

1994 Water Usage at
Crater Lake Natl. Park

Oregon

WATER
RESOURCES
DEPARTMENT

Dear Water User:

Oregon Revised Statutes, ORS 537.099 and Oregon Administrative Rules, Chapter 690 Division 85 require governmental entities to annually report the amount of water they divert from streams, pump from wells and store in reservoirs.

Our records index points of diversion by numbers noted as POD-ID. The POD-ID of the water rights pertinent to your group are listed on the enclosed "Summary of Water Right for Detailed Water-Use Report" and/or "Summary of Water Right for Abbreviated Water-Use Report". Please review the summaries. The amount of water diverted, pumped or stored each month must be reported for all points of diversion (POD). The Department may approve combining water flow from more than one point of diversion for measurement through a single measuring device.

A change in ownership of property with a water right usually is not reflected in Department records so you may have a water right from the purchase of property, annexation or reorganization that is currently not listed on the summary report. To save further follow-up notices and reporting needs, fill out a Monthly Water Use Reporting form to cover unlisted water rights and note the permit and/or certificate number on the form. If a water right has been abandoned note it on a reporting form and include the form with the other reporting.

For all the water rights listed on the "Summary of Water Rights for Detailed Water Use Reports" complete one "Detailed Water-use Report" form. For each POD-ID listed in the "Summary of Water Rights for Detailed Water Use Reports" complete a "Monthly Water Use Reporting Form". Make as many copies of the enclosed Monthly Water Use Reporting Form as you need or call 503-378-8455 Ext 245 for additional copies. If you have obtained approval for combined flow measuring, report the total water use on one form listing all the POD-ID numbers.

For all water rights listed on the "Summary of Water Rights for Abbreviated Water Use Reports" complete the "Abbreviated Water-use Report" form. Only one form is required for all rights listed on the abbreviated report list.

Please submit the Water-use Report form(s) along with a copy of any corrected Summary of Water Rights sheets and the completed Monthly Water Use Forms (for detailed reporting only) to the Oregon Water Resources Department, Attn: Bill Ferber, 158 12th St. N.E., Salem, OR 97310-0210. If you have any questions on reporting water use call the Water Resources Department, Bill Ferber at (503) 378-8455 Ext. 245.

The Department is currently analyzing water use reporting data to better understand water use state-wide, regionally, locally and seasonally. Measured data or an estimate compiled locally by the public agency supplying water will usually be better than the Department's file information or what can be obtained from other sources. This is an important part of our continuing effort to better manage the state's waters. Please complete the following form and enclose it with your Water Use Report.

If you have any questions about the following form please contact Jack Donahue at (503) 378-8433 Ext. 283.

Sincerely,

William E. Ferber

William E. Ferber
Water Data Coordinator



Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

Detailed Water-Use Report4022
(User-Id)Crater Lake National Park
(Reporting Entity)

Report the status of complying with the 15% accuracy standard for reporting water use as required by the water use reporting rules. Check the category below that describes the status of how accurately your water use is measured.

[] 1. This certifies that our water use as reported for the point(s) of diversion on the attached Monthly Water Use Report sheet(s) was computed based upon a measuring method stipulated in the rules and the reported monthly flows meet the 15% accuracy standard. See OAR 690-85-010 Submitting Annual Reports and OAR 690-85-015 Methods for Measuring Water Use.

[] 2. This certifies that our water use as reported for the point(s) of diversion on the attached Monthly Water Use Report sheet(s) was computed based upon a method certified by a Registered Professional Engineer to report monthly flows meeting the 15% accuracy standard. Included are descriptions of the measurement method and the required annual certification from an engineer.

[] 3. We have a time extension and an approved program is under way to meet the accuracy standard.

Date of Program Approval _____

Time Extension Date for Complying _____

[] 4. We do not currently meet the accuracy requirements in the rules and we do not have a time extension or an approved program to meet the standard. (Department staff will be contacting you to offer assistance in developing a program and request for a time extension for meeting the water measurement accuracy requirements.)

(Signature)_____
(Date)Elwood Lynn
(Printed name)Chief of Maintenance
(Title)Oregon Water Resources Department
Water Use Reporting Program

Water Year 1994

OREGON WATER RESOURCES DEPARTMENT
SUMMARY OF WATER RIGHTS FOR DETAILED WATER-USE REPORT

Reporting Entity | U.S. CRATER LAKE NATIONAL PARK
Attn: ELWOOD LYNN, CHF OF MAINTENANCE
PO BOX 7
CRATER LAKE, OR 97604

USER-ID: 4022

[] POD-ID 6799

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.360 CFS
Source :	RIM DIVERSION 2	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 8 SENE		
NORTH 85 DEGREES 03 MINUTES EAST 34,577 FT FROM BNDR MONUMENT 15, SENE, SEC 8			

[] POD-ID 6802

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.220 CFS
Source :	GARDEN SPR	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 9 SWSW		
SOUTH 89 DEGREES 04 MINUTES EAST 36,309 FT FROM BNDR MONUMENT 15, SWSW, SEC 9			

[] POD-ID 6803

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.160 CFS
Source :	ANNIE SPR	Permitted Use :	MUNICIPAL
Tributary to:	ANNIE CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 5 E SECTION 13 NESE		
NORTH 73 DEGREES 17 MINUTES EAST 27,291 FT FROM BNDR MONUMENT 8, NESE, SEC 13			

[] POD-ID 6804

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.050 CFS
Source :	POLE BRIDGE CR	Permitted Use :	MUNICIPAL
Tributary to:	ANNIE CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 32 SENW		
NORTH 8 DEGREES 33 MINUTES EAST 15,921 FT FROM BNDR MONUMENT 120, SENW, SEC 32			

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.160 CFS
Source :	POLE BRIDGE CR	Permitted Use :	POWER
Tributary to:	ANNIE CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 32 SENW		
NORTH 8 DEGREES 33 MINUTES EAST 15,921 FT FROM BNDR MONUMENT 120, SENW, SEC 32			

SUMMARY OF WATER RIGHTS
(Detailed Water-use Report)

USER-ID: 4022
Page 2

[] POD-ID 6806

FACILITY:

Certificate : 0
Priority : 11/28/1941
Permit : S 15156
Permitted Rate: 0.250 CFS
Source : ANNIE CR
Permitted Use : MUNICIPAL
Tributary to: WOOD R
Prim/Alt/Supp : PRIMARY
POD Location: TOWNSHIP 32 S RANGE 6 E SECTION 25 SENE
SOUTH 20 DEGREES 24 MINUTES EAST 12,067 FT FROM BNDR MONUMENT 111, SENE, SEC 25

Oregon Water Resources Department

Monthly Quantities FormReporting Entity CRATER LAKE NATIONAL PARKUser-Id: 4022Contact Name ELWOOD LYNNWater Year 1994Address P.O. BOX 7City, State, Zip CRATER LAKE OR 97604POD-ID: 6799Type of Use: municipal

<u>Month</u>	<u>Volume diverted or in storage</u> <u>Units (circle one) ~~Gallons~~, Cubic Feet, Acre-feet</u>
October	<u>0</u>
November	<u>0</u>
December	<u>0</u>
January	<u>0</u>
February	<u>0</u>
March	<u>0</u>
April	<u>0</u>
June	<u>0</u>
July	<u>0</u>
August	<u>0</u>
September	<u>0</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities Form

Reporting Entity CRATER LAKE NATIONAL PARK User-Id: 4022
 Contact Name ELWOOD LYNN Water Year 1994
 Address P.O. BOX 7
 City, State, Zip CRATER LAKE OR 97604

POD-ID: 6802 Type of Use: municipal

<u>Month</u>	<u>Volume diverted or in storage</u> <u>Units (circle one) ~~K~~ Gallons, Cubic Feet, Acre-feet</u>
October	<u>0</u>
November	<u>0</u>
December	<u>0</u>
January	<u>0</u>
February	<u>0</u>
March	<u>0</u>
April	<u>0</u>
June	<u>0</u>
July	<u>0</u>
August	<u>0</u>
September	<u>0</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities Form

Reporting Entity CRATER LAKE NATIONAL PARK User-Id: 4022
 Contact Name ELWOOD LYNN Water Year 1994
 Address P.O. BOX 7
 City, State, Zip CRATER LAKE OR 97604

POD-ID: 6803

Type of Use: Municipal

<u>Month</u>	<i>Volume diverted or in storage</i> <i>Units (circle one) ~~K~~ Gallons, Cubic Feet, Acre-feet</i>
October	<u>549,050</u>
November	<u>167,190</u>
December	<u>97,510</u>
January	<u>83,160</u>
February	<u>61,310</u>
March	<u>208,700</u>
April	<u>287,990</u>
June	<u>834,050</u>
July	<u>1,386,520</u>
August	<u>1,518,590</u>
September	<u>828,090</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities FormReporting Entity CRATER LAKE NATIONAL PARKUser-Id: 4022Contact Name ELWOOD LYNNWater Year 1994Address P.O. BOX 7City, State, Zip CRATER LAKE OR 97604POD-ID: 6804Type of Use: municipal

<u>Month</u>	<u>Volume diverted or in storage</u> <u>Units (circle one) ~~Gallons~~ Cubic Feet, Acre-feet</u>
October	<u>0</u>
November	<u>0</u>
December	<u>0</u>
January	<u>0</u>
February	<u>0</u>
March	<u>0</u>
April	<u>0</u>
June	<u>0</u>
July	<u>0</u>
August	<u>0</u>
September	<u>0</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities FormReporting Entity CRATER LAKE NATIONAL PARKUser-Id: 4022Contact Name ELWOOD LYNNWater Year 1994Address P.O. BOX 7City, State, Zip CRATER LAKE OR 97604POD-ID: 6806Type of Use: municipal

<u>Month</u>	<u>Volume diverted or in storage</u> <u>Units (circle one) ~~Gallons~~ Cubic Feet Acre-feet</u>
October	<u>0</u>
November	<u>0</u>
December	<u>0</u>
January	<u>0</u>
February	<u>0</u>
March	<u>0</u>
April	<u>0</u>
June	<u>0</u>
July	<u>0</u>
August	<u>0</u>
September	<u>0</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Abbreviated Water-Use Report

Each of the water rights listed on the enclosed Summary of Water Rights permits the diversion of less than 0.1 cubic feet per second or the storage of less than 9.2 acre-feet of water. For these rights, please submit the following statement of compliance and a copy of the Summary of Water Rights to Oregon Water Resources Department, Attn: Bill Ferber, 3850 Portland Road NE, Salem, Oregon 97310.

I certify that water was diverted in compliance with the limits of the water rights on the attached list for the period October 1, 1993 through September 30, 1994.

4022

(User-Id)

(Signature)

(Date)

Elwood Lynn

(Printed name)

Chief of Maintenance

(Title)

Crater Lake National Park

(Reporting Entity)

Oregon Water Resources Department
Water Use Reporting Program

Water Year 1994

OREGON WATER RESOURCES DEPARTMENT
SUMMARY OF WATER RIGHTS FOR ABBREVIATED WATER-USE REPORT

Reporting Entity | U.S. CRATER LAKE NATIONAL PARK
Attn: ELWOOD LYNN, CHF OF MAINTENANCE
PO BOX 7
CRATER LAKE, OR 97604

USER-ID: 4022

[] POD-ID 6798

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.010 CFS
Source :	GARFIELD SPR	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 9 NENW		
NORTH 84 DEGREES 54 MINUTES EAST 37,577 FT FROM BNDR MONUMENT 15, NENW, SEC 9			

[] POD-ID 6800

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.020 CFS
Source :	HEADQUARTER SPR	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 8 SENE		
NORTH 85 DEGREES 46 MINUTES EAST 34,332 FT FROM BNDR MONUMENT 15, SENE, SEC 8			

[] POD-ID 6801

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.020 CFS
Source :	CABIN SPR	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 8 NWSE		
NORTH 88 DEGREES 38 MINUTES EAST 33,910 FT FROM BNDR MONUMENT 15, NWSE, SEC 8			

[] POD-ID 6805

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.010 CFS
Source :	COLD SPRS	Permitted Use :	MUNICIPAL
Tributary to:	ANNIE CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 32 NESW		
NORTH 10 DEGREES 33 MINUTES EAST 15,037 FT FROM BNDR MONUMENT 120, NESW, SEC 32			

[] POD-ID 25485

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15158	Permitted Rate:	0.038 CFS
Source :	WHEELER CR	Permitted Use :	MUNICIPAL
Tributary to:	SAND CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 7.5 E SECTION 28 SWSE		
NORTH 12 DEGREES 09 MINUTES WEST 2427 FEET FROM BOUNDARY MONUMENT 97			

SUMMARY OF WATER RIGHTS
(Abbreviated Water-use Report)USER-ID: 4022
Page 2

[] POD-ID 25486

FACILITY:

Certificate : 0
Permit : S 15158
Source : LOST CR
Tributary to: SAND CR
POD Location: TOWNSHIP 31 S RANGE 7.5 E SECTION 18 NESW
SOUTH 74 DEGREES 46 MINUTES WEST 13,891 FEET FROM BOUNDARY MONUMENT 90

Priority : 11/28/1941
Permitted Rate: 0.093 CFS
Permitted Use : MUNICIPAL
Prim/Alt/Supp : PRIMARY

[] POD-ID 25487

FACILITY:

Certificate : 0
Permit : S 15158
Source : KERR NOTCH SPR
Tributary to: SAND CR
POD Location: TOWNSHIP 31 S RANGE 6 E SECTION 1 SWSE
NORTH 71 DEGREES 21 MINUTES WEST 17,782 FEET FROM BOUNDARY MONUMENT 90

Priority : 11/28/1941
Permitted Rate: 0.019 CFS
Permitted Use : MUNICIPAL
Prim/Alt/Supp : PRIMARY

User-ID Number 4022
Name of Water Supplier Crater Lake National Park
Phone Number (503) 594-2211x201 Date 12-01-94

Information on Water Use

ITEM 1. Quantity of water use reported:

Describe how and where water use is measured. Note any distances between source of water, meter and where water is used. Example: A turbine meter installed at the well that is located 500 ft. east of the park.

A turbine water meter is installed at the Annie Springs pumphouse

Do you have any major water loss or flow returning back into the stream after being diverted? Example: Leakage, overflow and surface runoff.

Estimated loss at the Garfieldwater tank is 1,000 gallons per day

Do you supply other major uses? If yes, note amount by percentage figure, actual amount or attach a reporting sheet to explain.

No

Did weather or other requirements cause a major reduction or increase in water use during the 1994 reporting year?

No

ITEM 2. How the water was used:

Describe the primary purposes or needs that the water was used for. A general description of the use including a description of the size or quantity figures is adequate. Example: Schools (number and type of schools and approximate number of students), Parks and cemeteries (acres irrigated and other facilities served), County government (facilities served such as fair buildings, parks and shops).

Park facilities include approximately forty buildings. In summer-
300 employees and in winter - 35 families. Annual visitation: 700,000

Describe any major change(s) that occurred during the reporting year that affected the average quantity of water use? Example: A one time event or other rapid increase or decrease in use that would not reflect a continuing water use pattern.

Visitation increase over water year 1993: 33%

Thank you for your assistance.

05/31/93	21851200	43,100	1381 == 7	1304 == 7
06/30/93	22030900	179,700	1411 == 30	1335 == 31
07/31/93	22795100	764,200	1603 == 192	1408 == 73
08/31/93	23531800	736,700	1720 == 117	1538 == 130
09/30/93	23926600	394,800	1797 == 77	1595 == 57
10/26/93	24046800	122,200	1807 == 10	1622 == 14

PLANT OFF SEPT, 26, 1993

TOTAL WATER PUMPED FOR 1993 = 2,352,200 GAL.

MAZAMA WATER USEAGE 1994

04/30/94	24157500	108,700	1818 == 11	1649 = 27
05/31/94	24256700	99,200	1850 == 32	1652 = 3
06/30/94	24622300	365,600	1911 == 61	1716 = 64
07/31/94	25366000	743,700	2054 == 143	1825 = 109
08/31/94	26147900	781,900	2252 == 198	1898 = 73
09/30/94	26549700	401,800	2347 == 95	1948 = 50

10/

04/30/93	737010	126,630	16894	= 43HRS
15813 = 0				
05/31/93	956060	219,050	16968	= 72
15813 = 0				
06/30/93	1253960	297,900	17032	= 64
15844 = 31				
07/31/93	2066830	812,870	17094	= 62
16031 = 187				
08/31/93	2740030	673,200	17161	= 67
16167 = 137				

~~09/30/93~~	~~3159700~~	~~419,670~~	~~17215~~	~~= 54~~
~~16241 = 74~~				

10/31/93	3586550	426,850	17275	= 60
16311 = 70				
11/30/93	3753740	167,190	17293	= 18
16342 = 31				
12/31/93	3851250	97,510	17307	= 14
16358 = 16				

TOTAL WATER USAGE 1993 3,794,830 gal.

PARK HEADQUARTERS WATER USAGE 1994

01/31/94	3934410	83,160	17314	= 7	16377 = 27
02/28/94	3995720	* 61,310	17333	= 19	16379 =

*NOTE: The water meter was taken out 2/24/94 To be recelebrated
water pumped will be estimated by pump hours.
untill meter is replaced.

Note: (Water meter reinstalled on 05/05/95 ,

03/31/94	-----	63,000	17353	= 20	16380 =
04/30/94	-----	100,000	17386	= 33	16380 =
05/31/94	188790	188,790	17443	= 57	16380 =

Note: new hour meter installed pump # 2 --05/31/94- start at
(0)on 6/1/94

06/30/94	657240	468,450	17481	= 38	87 = 87
07/31/94	1300060	642,820	17543	= 62	191 = 104
08/31/94	2036750	736,690	17678	= 135	300 = 118
09/30/94	2463040	426,290	17719	= 41	386 = 86

1993

08/31/93	3688650	81,880	10,946
09/20/93	3750560	61,910	8,276 cu/ft
Total Water Used For 1993		143,790 gal.	19,105 cu/ft

LOST CK. WATER USAGE 1994

07/31/94	3792570	42,010	5,616
08/31/94	3857900	65,330	8,733
09/30/94	3901810	43,910	5,870
TOTAL WATER USED FOR 1994		151,250 GAL.	

Lost Creek Water Usage. System #4190183

1990

Date	Meter reading	Gal. Pumped.	Cu/ft
6/24/90	2273070		
6/30/90	2331730	61,190	8,180
7/31/90	2712340	380,610	50,883
8/31/90	3106320	393,980	52,671
9/16/90	3314780	208,460	27,868
Total Water Pumped for 1990		1,417,710 gal.	139,266 cu/ft

Lost Creek Water Usage.

1991

Date	Meter reading	Gal. Pumped.	Cu/ft
7/26/91	3355660		
7/31/91	3365050	9,390	1,255
8/31/91	3410600	45,550	6,089
9/23/91	3438680	28,080	3,754
Total Water Pumped for 1991		83,020 gal.	11,098 cu/ft

Note. = The leak in the 5,000 gal. water tank was fixed in July of 1991.
 So the water usage went down.
 Also the water filters were installed on Aug. 26, 1991.
 (FILTERITE FILTERS)

Lost Creek Water Usage

1992

Date	Meter reading	Gal. Pumped	Cu/ft.
6/01/92	3439500	4,540	flushing
6/30/92	3473580	34,080	4,556
7/31/92	3523680	48,610	6,498
8/31/92	3575640	50,210	6,712
9/23/92	3606770	29,830	3,987
Total water pumped for 1992		167,270 gal.	22,362 cu/ft

Lost Creek Water Usage 1993

PARK HEADQUARTERS WATER USAGE
1985 SYS: 4101080

DATE. HRS:2	METER RAEDING.	GAL. PUMPED.	PUMP HRS; 1	PUMP
1/0185	1492960		8621--	9376
1/31/85	1696380	<u>203,420</u>		
2/28/85	1981710	285,330		
3/31/85	2186640	204,930		
4/30/85	2395000	208,360		
5/31/85	2859710	464,710		
6/30/85	3663400	803,690		
7/31/85	5058740	1,395,340		
8/31/85	6627030	1,568,290		
9/30/85	7392450	765,420		
10/31/85	7669040	276,590		
11/30/85	7854540	183,500		
12/31/85	8065020	210,480		
<u>TOTAL WATER PUMPED = 1985 = 6,569,880 gal.</u>				

PARK HEADQUARTERS WATER USAGE
1986

DATE. HRS.#2	METER READING.	GAL. PUMPED	PUMP HRS:#1	PUMP
1/30/86	8076980	-----	10202 =	10153
=				
1/30/86	8258440	181,460		
2/28/86	8444270	185,830		
3/31/86	8664850	220,580		
4/30/86	8877850	213,000		
5/31/86	9209860	332,010		
6/30/86	0134730	924,870		
7/31/86	1624920	1,490,190		

8/31/86	3121210	1,496,290
9/30/86	3964100	842,890
10/31/86	4209680	245,580
11/29/86	4390870	181,190
12/31/86	4589980	199,110

TOTAL WATER PUMPED = 1986 = 6,513,000

HEADQUARTERS WATER USAGE
1987

DATE. HRS:#2	METER READING	<u>GAL. PUMPED</u>	PUMP HRS:#1	PUMP
1/01/87	4589980	-----	11209 =	11292 =
1/31/87	4865640	275,660		
2/28/87	5266510	400,870		
3/31/87	5553270	286,760		
4/30/87	5826410	273,140		
5/29/87	6205170	378,760		
6/30/87	7175050	969,880		
7/31/87	8461110	1,286,060		
8/31/87	9884970	1,423,860		
9/30/87	0763510	878,540		
10/30/87	1039450	275,940		
11/30/87	1176410	136,960		
12/31/87	1395730	219,320		

TOTAL WATER PUMPED = 1987 = 6,805,750 gal.

HEADQUARTERS WATER USAGE SYS:4101080

DATE,	MEATER READING	GAL. PUMPED	PUMP HRS:#1	PUMP HRS:#2
1/01/88	1395730	-----	12414 =	12388
1/29/88	1673560	277,830		

2/29/88	1750970	77,410
3/31/88	1856790	105,820
4/29/88	1954240	97,450
5/31/88	2211200	256,960
6/30/88	3018430	807,230
7/29/88	4396870	1,378,440
8/31/88	5924300	1,527,430
9/30/88	6735490	811,190
10/30/88	7077540	342,050
Cant find Oct, 1988		
11/30/88	7174740	97,200
12/29/88	7294000	119,260
TOTAL WATER PUMPED = 1988 =		5,898,270

HEADQUARTERS WATER USAGE
1989

<u>DATE,</u> <u>HRS. #2</u>	<u>METER READING</u>	<u>GAL. PUMPED</u>	<u>PUMP HRS. #1</u>	<u>PUMP</u>
1/01/88	7294000	-----	15030 =	13408 =
1/30/89	7353950	59,950		
2/28/89	7385120	31,170		
3/29/89	7508240	123,120		
4/28/89	7624000	115,760		
5/24/89	7804500	180,500		
6/27/89	8526200	721,700		
7/31/89	9580510	1,054,310		
8/31/89	10421340	840,830		
9/29/89	10972450	551,110		
10/30/89	1290000	317,550		
11/30/89	1433030	143,030		

12/29/89 1560850 127,820

TOTAL WATER PUMPED = 1989 = 4,476,950 gal.

Park Headquarters Water Useage. # 4101080

1990

Date. hrs.#2	Meter Reading.	Gal. Pumped.	Pump Hrs.#1	Pump
1/1/90 14,057	1563710		14,133--	
1/31/90 18hr	1676380	112,670	14,150--17hr	4,075--
2/28/90 14,099--12hr	1750800	74,420	14,150--24hr	
3/30/90 14,119--20hr	1884270	133,470	14,171--21hr	
4/30/90 14,153--33hr	2022130	137,860	14,181--10hr	
5/31/90 14,204--51hr	2245850	223,720	14,199--18hr	
6/30/90 14,278--74hr	2724820	478,970	14,273--70hr	
7/31/90 14,391--118hr	3449680	724,860	14,383--110hr	
8/31/90 14,506--115hr	4148300	698,620	14,502--119hr	
9/30/90 14,573--61hr	4616330	468,030	14,576--74hr	
10/31/90 14,602--24hr	4905470	289,140	14,633--56hr	
11/30/90 14,638--28hr	5063320	157,850	14,645--12hr	
12/31/90 14,660--18hr	5189450	126,130	14,661--16hr	
Total Gals. Pumped for 1990		3,625,740 gals.	Total hrs. 528	602hrs.

Park Headquarters Water Usage. # 4101080

1991

Date.	Meter Reading.	Gal. Pumped.	Pump. hrs # 1
Pump Hrs #2			
1/1/91	5189450		14,661--
14,660--			
1/31/91	5349170	157,710	14,686--25hr
14,686--26hr			
2/28/91	5458580	109,410	14,723--37hr
14,700--14hr			
3/29/91	5601040	142,460	14,736--13hr
14,732--31hr			
4/30/91	5829320	228,280	14,768--32hr
14,773--41hr			
5/31/91	6068020	238,690	14,801--33hr
14,816--43hr			
6/30/91	6518330	450,310	14,904--89hr
14,887--71hr			
7/31/91	7348450	830,120	15,026--122hr
15,025--138hr			
8/31/91	8086820	738,370	15,243--205hr
15,039--14hr			
9/31/91	8611310	524,490	15,329--80hr
15,106--67hr			
10/30/91	9018200	406,890	15,408--79hr
15,147--41hr			
11/30/91	9139480	121,280	15,429--16hr
15,160--11hr			
12/31/91	9257210	117,730	15,447--18hr
15,176--15hr			
Total Water Pumped for 1991	4,067,750	Total Hrs. 786hrs.	#2
516hrs.			

Park Headquarters Water Usage. # 4101080 1992

Date	Meter Reading	Gal. Pumped.	Pump Hrs.#1	Pump
Hrs.#2				

1/31/92	9362160	104,950	15,458	11hrs
15,194	18hrs			
2/29/92	9469750	107,590	15,466	8hrs
15,215	21hrs			
3/31/92	9603810	134,060	15,474	8hrs
15,245	30hrs			
4/30/92	9776310	172,500	15,488	14hrs
15,278	33hrs			
5/31/92	0068550	284,980	15,508	18hrs
15,340	62hrs			
6/30/92	0559140	490,590	15,616	104hrs
15,393	53hrs			
7/31/92	1402390	843,250	15,751	128hrs
15,569	176hrs			
8/31/92	2157830	755,440	16,021	270hrs
15,702	124hrs			
9/30/92	down---	898,560	16,316	285hrs
15,729	27hrs			
10/31/92	-----	732,000	16,532	216hrs
15,763	34hrs			
11/30/92	-----	389,000	16653	114hrs 15772
9hrs				
12/31/92	56,520	158,520	16672	19 hrs 15808
36hrs				
Total for dec 1992 = 158,520 Gal.		T. HRS 1,225	# 2	632
HRS				
Total for 1992 = 5,071,440				

WATER USEAGE		HAEDQUARTERS	PUMPS	# 4101080	1993
DATE	ME TER READING	GAL. USED	PUMP HRS #1	# 2	
01/31/93	110270	53,750	16685.0	=	13HRS
15813	=				5HRS
02/28/93	396740	286,470	16779.5	=	94HRS
15813	=				0
03/31/93	610480	213,740	16851	=	72HRS
15813	=				0

Mazama Water usage 1985

DATE	METER READING	GAL. PUMPED	PUMP HRS #1	PUMP HRS #2
6/07/85	3114800	-----	5689 =	4694
6/30/85	3505700	390,900		
7/31/85	4145800	640,100		
8/31/85	4848600	702,800		
9/29/85	5234900	386,700		

TOTAL WATER PUMPED = 2,120,100 gal.

Mazama Water Usage 1986

DATE.	METER READING	GAL. PUMPED	PUMP HRS, #1	PUMP HRS #2
6/30/86	5683900	449,000		
7/31/86	6362700	678,800		
8/31/86	7181200	818,500		
9/25/86	7610500	429,300		

TOTAL WATER PUMPED 1986 = 2,375,600

MAZAMA WATER USAGE 1987

DATE.	METER READING	GAL. PUMPED	PUMP HRS. #1	PUMP HRS. #2
5/15/87	7841700	231,200		
6/30/87	8125000	283,300		
7/31/87	8536300	411,300		
8/31/87	9102000	565,700		
9/30/87	9444100	342,100		
10/31/87	9475600	31,500		

TOTAL WATER PUMPED = 1,865,100

MAZAMA WATER USAGE 1988

DATE.	METER READING	GAL. PUMPED	PUMP HRS #1	PUMPHRS #2
5/16/88	9617000	141,400		
6/30/88	9811100	194,100		
7/29/88	10328700	517,600		
8/31/88	11005500	676,800		
9/26/88	11215500	210,000		

TOTAL WATER PUMPED = 1,739,900

MAZAMA WATER USAGE 1989

DATE.	METER READING	GAL. PUMPED	PUMP HRS #1	PUMP HRS #2
5/24/89	11315900	100,400		
6/27/89	11548600	232,700		
7/31/89	12146500	597,900		
8/31/89	12686300	539,800		
9/29/89	12942100	255,800		

TOTAL WATER PUMPED = 1,726,600

Mazama Water Usage 1990 SYS. #4190179

Date	Meter Reading	Gal. pumped	Pump hours. #1	Pump hours. #2
4/17/90			8,213	6,325
4/24/90	13049400	107,300	8,222 ==9hrs	6,341 ==16hrs
5/31/90	13309300	259,900	8,241 ==27hrs	6,400 ==32hrs
6/30/90	13544300	235,000	8,257 ==16hrs	6,459 ==59hrs
7/31/90	14048800	504,500	8,352 ==95hrs	6,540 ==78hrs
8/31/90	14548900	500,100	8,473 ==114hrs	6,540 ==0
			New pumps installed.	
			0	61 ==61hrs
9/30/90	14810000	261,100	61 ==61hrs	100 ==39hrs
10/26/90	14892100	82,100	96 ==33hrs	100 == 0hrs

Total Gal. For 1990 1,950,000 gal.

Total Pump hours. 1990

			# 1. 96 hrs	# 2. 100 hrs
		Mazama Water Usage	1991	SYS. #4190179
Date	Meter Reading	Gal. pumped	pump hours. #1	Pump hours. #2
5/10/91				
5/31/91	15246800	354,700	155 == 59 hrs	166 ==66 hrs
6/30/91	15486500	239,700	207 == 48 hrs	202 == 36 hrs
7/31/91	16253200	766,700	342 ==135 hrs	339 ==130 hrs
8/31/91	17229200	976,000	522 ==163 hrs	509 ==170 hrs
9/30/91	17862400	633,200	634 == 112 hrs	623 ==107 hrs
10/24/91	18025500	163,100	656 == 22 hrs	657 == 31 hrs
Total Gal. For 1991		3,133,400	Total Pump Hours. 1991	

			# 1. 560 hrs	# 2. 557 hrs
		Mazama Water Usage	1992	SYS: #4190179
Date	Meter Reading	Gal. pumped	pump hours. #1	pump hrs #2
4/13/92		-----	668 == -----	666 == ----
4/30/92	18191800	166,300	685 == 17 hrs	684 == 18hrs
5/31/92	18325700	133,900	715 == 30 hrs	705 == 19hrs
6/30/92	18 737600	411,900	796 == 81 hrs	773 == 68hrs
7/31/92	19577200	839,600	959 == 163 hrs	912 == 135hrs
8/31/92	20684800	1,107,600	1188 == 229 hrs	1085 == 173hrs
9/30/92	21449400	764,600	1346 == 144 hrs	1206 == 121hrs
10/31/92	21563500	114,100	1357 == 11 hrs	1233 == 27hrs
11/30/92	21611500	48,000	1361 == 4 hrs	1245 == 12hrs
12/31/92	21696600	85,100	1367 == 6 hrs	1267 == 22hrs
Total Gal. for 1992		3,671,100 gal.		

MAZAMA WATER USEAGE 1993

04/30/93	21808100	111,500	1374 == 7	1297 == 30
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October 1, 1993

1993 ~~1994~~ Water Usage
At Crater Lake Natl. Park

Oregon

WATER
RESOURCES
DEPARTMENT

Dear Water User:

At the end of each water year, governmental entities holding water rights are required to submit annual water use reports. This letter is to inform you that the annual water use reports for the 1993 Water Year are due by December 31, 1993.

Enclosed are the Water Right Summary Sheets listing the water rights that are pertinent to your entity. Please review the listing and make corrections and additions as needed. Also enclosed are the reporting forms you will need for this reporting period. Please make as many copies of the Monthly Quantities Form as you need. Return the completed *Monthly Quantities Forms*, corrected *Water Right Summary Sheets*, and *Water-use Report cover sheets* to Bill Ferber at the address listed below.

If you have any questions regarding the Water Use Reporting Program, the reporting forms or rules, please contact Bill Ferber at the address or phone number listed below.

Thank you for your participation in the Water Use Reporting Program.

Sincerely,

William E. Ferber

William E. Ferber
Water Use Coordinator



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Water Usage, Annie Springs, Headquarters, Lost Ck.

Annie Springs = HQ 4,620,020

Oct, 1992	=	1,107,690
Nov, 1992	=	681,880
Dec, 1992	=	406,320
Jan, 1993	=	343,400
Feb, 1993	=	812,470
Mar, 1993	=	613,220
Apr, 1993	=	329,970
May, 1993	=	456,800
Jun, 1993	=	714,862
Jul, 1993	=	1,427,150
Aug, 1993	=	1,207,280
Sep, 1993	=	900,978

TOTAL: 9,002,020 - 4382,000 = 4,620,020

Park Headquarters = Rin

Oct, 1992	=	732,000
Nov, 1992	=	389,000
Dec, 1992	=	158,520
Jan, 1993	=	53,750
Feb, 1993	=	286,470
Mar, 1993	=	213,740
Apr, 1993	=	126,630
May, 1993	=	219,050
Jun, 1993	=	297,900
Jul, 1993	=	812,070
Aug, 1993	=	673,200
Sep, 1993	=	419,670

TOTAL: 4,382,000

Mazama

Oct, 1992	=	114,100
Nov, 1992	=	48,000
Dec, 1992	=	85,100
Jan, 1993	=	Plant off
Feb, 1993	=	Plant off
Mar, 1993	=	Plant off
Apr, 1993	=	111,500
May, 1993	=	43,100
Jun, 1993	=	179,700
Jul, 1993	=	764,200
Aug, 1993	=	736,700
Sep, 1993	=	394,800

Lost Creek

AUG, 1993 = 81,880
SEPT, 1993 = 61,910

OCT, 1992 TO SEPT, 30, 1993 = 61,910

TOTAL USED 1993 = 143,790

000

0 • 0

681 880 • +
48 000 • +

002

Nov

(729 880 •) *

406 320 • +
85 100 • +

002

Dec

(891 420 •) *

April

329 970 • +
111 500 • +

002

(441 470 •) *

0 • C

456 800 • +
45 100 • +

002

MAY

(499 900 •) *

0 • C

714 862 • +
179 700 • +

002

June

(894 562 •) *

0 • C

1 427 150 • +
764 200 • +

002

July

(2 191 350 •) *

0 • C

1 237 280 • +
736 700 • +

002

Aug

(1 943 980 •) *

0 • C

900 978 • +
394 800 • +

002

<cont

(1 295 778 •) *

Detailed Water-Use Report

The amount of water diverted or in storage each month must be reported for every POD-ID on the attached Summary of Water Rights. Fill out a Monthly Quantities Form (enclosed) for each POD-ID (make as many copies of the form as you need).

Please submit the following statement of accuracy, a copy of the Summary of Water Rights, and the completed Monthly Quantities Forms to Oregon Water Resources Department, Attn: Bill Ferber, 3850 Portland Road NE, Salem, Oregon 97310.

I certify that the information reported for the water rights on the attached summary is true and accurate within a 15% tolerance.

4022

(User-Id)

(Signature)

(Date)

ELWOOD LYNN

(Printed name)

CHIEF OF MAINTENANCE

(Title)

CRATER LAKE NATIONAL PARK

(Reporting Entity)

Oregon Water Resources Department
Water Use Reporting Program

Water Year 1993

OREGON WATER RESOURCES DEPARTMENT
SUMMARY OF WATER RIGHTS FOR DETAILED WATER-USE REPORT

Reporting Entity	U.S. CRATER LAKE NATIONAL PARK Attn: ELWOOD LYNN, CHF OF MAINTENANCE PO BOX 7 CRATER LAKE, OR 97604	USER-ID: 4022
------------------	--	---------------

[✓] POD-ID 6799	FACILITY:

Certificate : 0	Priority : 11/28/1941
Permit : S 15156	Permitted Rate: 0.360 CFS
Source : RIM DIVERSION 2	Permitted Use : MUNICIPAL
Tributary to: MUNSON CR	Prim/Alt/Supp : PRIMARY
POD Location: TOWNSHIP 31 S RANGE 6 E SECTION 8 SENE	
NORTH 85 DEGREES 03 MINUTES EAST 34,577 FT FROM BNDR MONUMENT 15, SENE, SEC 8	

[✓] POD-ID 6802	FACILITY:

Certificate : 0	Priority : 11/28/1941
Permit : S 15156	Permitted Rate: 0.220 CFS
Source : GARDEN SPR	Permitted Use : MUNICIPAL
Tributary to: MUNSON CR	Prim/Alt/Supp : PRIMARY
POD Location: TOWNSHIP 31 S RANGE 6 E SECTION 9 SWSW	
SOUTH 89 DEGREES 04 MINUTES EAST 36,309 FT FROM BNDR MONUMENT 15, SWSW, SEC 9	

[✓] POD-ID 6803	FACILITY:

Certificate : 0	Priority : 11/28/1941
Permit : S 15156	Permitted Rate: 0.160 CFS
Source : ANNIE SPR	Permitted Use : MUNICIPAL
Tributary to: ANNIE CR	Prim/Alt/Supp : PRIMARY
POD Location: TOWNSHIP 31 S RANGE 5 E SECTION 13 NESE	
NORTH 73 DEGREES 17 MINUTES EAST 27,291 FT FROM BNDR MONUMENT 8, NESE, SEC 13	

[✓] POD-ID 6804	FACILITY:

Certificate : 0	Priority : 11/28/1941
Permit : S 15156	Permitted Rate: 0.050 CFS
Source : POLE BRIDGE CR	Permitted Use : MUNICIPAL
Tributary to: ANNIE CR	Prim/Alt/Supp : PRIMARY
POD Location: TOWNSHIP 31 S RANGE 6 E SECTION 32 SENW	
NORTH 8 DEGREES 33 MINUTES EAST 15,921 FT FROM BNDR MONUMENT 120, SENW, SEC 32	

[✓] POD-ID 6804	FACILITY:

Certificate : 0	Priority : 11/28/1941
Permit : S 15156	Permitted Rate: 0.160 CFS
Source : POLE BRIDGE CR	Permitted Use : POWER
Tributary to: ANNIE CR	Prim/Alt/Supp : PRIMARY
POD Location: TOWNSHIP 31 S RANGE 6 E SECTION 32 SENW	
NORTH 8 DEGREES 33 MINUTES EAST 15,921 FT FROM BNDR MONUMENT 120, SENW, SEC 32	

SUMMARY OF WATER RIGHTS
(Detailed Water-use Report)

USER-ID: 4022
Page 2

[] POD-ID 6806

FACILITY:

Certificate : 0
Permit : S 15156
Source : ANNIE CR
Tributary to: WOOD R
POD Location: TOWNSHIP 32 S RANGE 6 E SECTION 25 SENE
SOUTH 20 DEGREES 24 MINUTES EAST 12,067 FT FROM BNDR MONUMENT 111, SENE, SEC 25

Priority : 11/28/1941
Permitted Rate: 0.250 CFS
Permitted Use : MUNICIPAL
Prim/Alt/Supp : PRIMARY

Oregon Water Resources Department

Monthly Quantities FormReporting Entity CRATER LAKE NATIONAL PARKUser-Id: 4022Contact Name ELWOOD LYNNWater Year 1993Address P.O. BOX 7City, State, Zip CRATER LAKE OR 97604POD-ID: 6806Type of Use: Municipal

<u>Month</u>	<u>Volume diverted or in storage</u>	
	<u>Units (circle one) ~~K~~ Gallons, Cubic Feet, Acre-feet</u>	
October	<u>0</u>	
November	<u>0</u>	
December	<u>0</u>	
January	<u>0</u>	
February	<u>0</u>	
March	<u>0</u>	
April	<u>0</u>	
June	<u>0</u>	
July	<u>0</u>	
August	<u>0</u>	
September	<u>0</u>	

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities FormReporting Entity CRATER LAKE NATIONAL PARKUser-Id: 4022Contact Name ELWOOD LYNNWater Year 1993Address P.O. BOX 7City, State, Zip CRATER LAKE OR 97604POD-ID: 6804Type of Use: Municipal

<u>Month</u>	<u>Volume diverted or in storage</u>	
	<u>Units (circle one) ~~G~~ Gallons, Cubic Feet, Acre-feet</u>	
October	<u>0</u>	<u></u>
November	<u>0</u>	<u></u>
December	<u>0</u>	<u></u>
January	<u>0</u>	<u></u>
February	<u>0</u>	<u></u>
March	<u>0</u>	<u></u>
April	<u>0</u>	<u></u>
June	<u>0</u>	<u></u>
July	<u>0</u>	<u></u>
August	<u>0</u>	<u></u>
September	<u>0</u>	<u></u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities FormReporting Entity CRATER LAKE NATIONAL PARKUser-Id: 4022Contact Name ELWOOD LYNNWater Year 1993Address P.O. BOX 7City, State, Zip CRATER LAKE OR 97604POD-ID: 6802Type of Use: Municipal

<u>Month</u>	<u>Volume diverted or in storage</u>		
	<u>Units (circle one) ~~Gallons~~ Cubic Feet Acre-feet</u>		
October	0		
November	0		
December	0		
January	0		
February	0		
March	0		
April	0		
June	0		
July	0		
August	0		
September	0		

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities Form

Reporting Entity CRATER LAKE NATIONAL PARK **User-Id:** 4022
Contact Name ELWOOD LYNN **Water Year** 1993
Address P.O. BOX 7
City, State, Zip CRATER LAKE OR 97604

POD-ID: 6799 **Type of Use:** Municipal

<u>Month</u>	<u>Volume diverted or in storage</u> <u>Units (circle one) ~~Gallons~~ Cubic Feet, Acre-feet</u>
October	<u>0</u>
November	<u>0</u>
December	<u>0</u>
January	<u>0</u>
February	<u>0</u>
March	<u>0</u>
April	<u>0</u>
June	<u>0</u>
July	<u>0</u>
August	<u>0</u>
September	<u>0</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Oregon Water Resources Department

Monthly Quantities Form

Reporting Entity CRATER LAKE NATIONAL PARK User-Id: 4022
 Contact Name ELWOOD LYNN Water Year 1993
 Address P.O. BOX 7
 City, State, Zip CRATER LAKE OR 97604

POD-ID: 6803

Type of Use: Municipal

<u>Month</u>	<u>Volume diverted or in storage</u> <u>Units (circle one) ~~Gallons~~ Cubic Feet, Acre-feet</u>
October	<u>1,221,790</u>
November	<u>729,880</u>
December	<u>491,420</u>
January	<u>343,400</u>
February	<u>812,470</u>
March	<u>613,220</u>
April	<u>441,470</u>
June	<u>894,562</u>
July	<u>2,191,350</u>
August	<u>1,943,980</u>
September	<u>1,295,778</u>

Number of acres irrigated (if applicable): NA

Method of measuring flow (please describe clearly):

Pump station flow meter

Abbreviated Water-Use Report

Each of the water rights listed on the attached Summary of Water Rights permits the diversion of less than 0.1 cubic feet per second or the storage of less than 9.2 acre-feet of water. For these rights, please submit the following statement of compliance and a copy of the Summary of Water Rights to Oregon Water Resources Department, Attn: Bill Ferber, 3850 Portland Road NE, Salem, Oregon 97310,

I certify that water was used in compliance with the limits of the water rights on the attached list for the period October 1, 1992 through September 30, 1993.

4022
(User-Id)


(Signature)

10/30/93
(Date)

ELWOOD LYNN
(Printed name)

CHIEF OF MAINTENANCE
(Title)

CRATER LAKE NATIONAL PARK
(Reporting Entity)

OREGON WATER RESOURCES DEPARTMENT
SUMMARY OF WATER RIGHTS FOR ABBREVIATED WATER-USE REPORT

Reporting Entity | U.S. CRATER LAKE NATIONAL PARK
| Attn: ELWOOD LYNN, CHF OF MAINTENANCE
| PO BOX 7
| CRATER LAKE, OR 97604

USER-ID: 4022

[] POD-ID 6798

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.010 CFS
Source :	GARFIELD SPR	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 9 NENW		
NORTH 84 DEGREES 54 MINUTES EAST 37,577 FT FROM BNDR MONUMENT 15, NENW, SEC 9			

[] POD-ID 6800

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15156	Permitted Rate:	0.020 CFS
Source :	HEADQUARTER SPR	Permitted Use :	MUNICIPAL
Tributary to:	MUNSON CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 8 SENE		
NORTH 85 DEGREES 46 MINUTES EAST 34,332 FT FROM BNDR MONUMENT 15, SENE, SEC 8			

[] POD-ID 25485

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15158	Permitted Rate:	0.038 CFS
Source :	WHEELER CR	Permitted Use :	MUNICIPAL
Tributary to:	SAND CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 7.5 E SECTION 28 SWSE		
NORTH 12 DEGREES 09 MINUTES WEST 2427 FEET FROM BOUNDARY MONUMENT 97			

[] POD-ID 25486

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15158	Permitted Rate:	0.093 CFS
Source :	LOST CR	Permitted Use :	MUNICIPAL
Tributary to:	SAND CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 7.5 E SECTION 18 NESW		
SOUTH 74 DEGREES 46 MINUTES WEST 13,891 FEET FROM BOUNDARY MONUMENT 90			

[] POD-ID 25487

FACILITY:

Certificate :	0	Priority :	11/28/1941
Permit :	S 15158	Permitted Rate:	0.019 CFS
Source :	KERR NOTCH SPR	Permitted Use :	MUNICIPAL
Tributary to:	SAND CR	Prim/Alt/Supp :	PRIMARY
POD Location:	TOWNSHIP 31 S RANGE 6 E SECTION 1 SWSE		
NORTH 71 DEGREES 21 MINUTES WEST 17,782 FEET FROM BOUNDARY MONUMENT 90			

Other Supporting Information

BARRETT
PSN

L54
(FNR)PS

September 30, 1975

Dr. Clifford V. Smith
Regional Administrator
Region X, Environmental
Protection Agency
1200 Sixth Avenue
Seattle, Washington 98101

Dear Dr. Smith:

The National Park Service is making good progress in constructing the new water system at Crater Lake National Park which will use Annie Spring as a water source. As you may know, the water intake consists of a concrete collection box installed at the Annie Spring orifice in a manner which precludes any foreign matter from contaminating the water at this point. Water from this collection box currently serves the Mazama Campground and we intend to use this identical water source for the new water system.

Design of the new water system includes chlorination but not filtration. It appears to us that no significant improvement in Annie Spring water quality would result from filtration, since the water will not have been exposed to any surface contamination. We would appreciate any comments you may have concerning utilization of Annie Spring water in this manner.

Sincerely yours,

(SIGNED)
JOHN A. RUTTER
John A. Rutter
Regional Director

cc:
Manager, Denver Service Center
Attention: Assistant Manager, Pacific Northwest/Western Team
General Superintendent, Klamath Falls Group (2)

Don Barrett

L54
(PMR)PSN

September 24, 1975

Mr. J. Anthony Giacomini
Giacomini, Jones & Zamsky
Attorneys at Law
635 Main Street
Klamath Falls, Oregon 97601

Dear Mr. Giacomini:

This is in reply to your letter of August 11 requesting a written statement regarding the quantity of water to be taken by the National Park Service for Crater Lake National Park from Annie Creek drainage.

As you are aware, we are being forced to obtain a domestic water supply from a different source for the Park headquarters area and rim development since Munson Springs became polluted this spring. The source we selected, Annie Spring, is the "headwater" source of Annie Creek. Munson Creek is a tributary to Annie Creek about a mile and a quarter downstream from Annie Spring. The "headwater" of Munson Creek is Munson Springs from which the Park has and will still obtain its water until construction of the pipeline to Annie Spring is completed. Since both Munson Springs and Annie Spring are part of the Annie Creek drainage and Munson Creek is a gaining stream, meaning there is no subsurface water loss from it, it is the opinion of the National Park Service that the downstream flow of Annie Creek should be unaffected by a change in our diversion from Munson Springs to Annie Spring.

As a matter of interest, the United States relies on the reserved right doctrine for its water rights in Crater Lake National Park rather than on the basis of state adjudication.

We hope the above information will assist you in determining the effect our actions will have on Annie Creek water flow at Fort Klamath.

Sincerely yours,

(SIGNED)
JOHN A. RUTTER
John A. Rutter
Regional Director

cc:
Mr. C. Richard Neely, Assistant Regional Solicitor, Office of the Regional Solicitor, Department of the Interior, Box 3621, Portland, Oregon 97208
General Superintendent, Klamath Falls Group (2)

BARRETT

L54
(PNR)PSN

September 23, 1975

Ms. Anita Nicholson
Box 465
Fort Klamath, Oregon 97626

Dear Ms. Nicholson:

We are writing this in response to your letter of September 3 to Mr. Donald Barrett, Regional Hydrologist, regarding action to be taken by the National Park Service to develop a new water source for the Park headquarters area and rim developments at Crater Lake National Park.

We appreciate your concern on this matter. It is not our intention to deprive you of any water for which you have rights prior to those of the United States. We believe the change of diversion we are making will not in any way affect the flow of water in Annie Creek. Our present source of water which became polluted this spring is Munson Springs. Munson Springs is the headwater tributary of Munson Creek which in turn is a tributary to Annie Creek. When we change to Annie Spring next year, the Munson Spring diversion will be abandoned, and the water we would have used there will be released to Annie Creek via Munson Creek.

As a matter of interest, the United States relies on the Reservation Doctrine for its water rights in Crater Lake National Park rather than on the basis of state adjudication.

We hope the above information will alleviate your concerns over the flow of water in Annie Creek.

Sincerely yours,

(SIGNED)

JOHN A. RUTTER

John A. Rutter
Regional Director

cc:
General Superintendent, Klamath Falls Group (2)

BARRETT

LS4
(PNR)PSN

September 9, 1975

Mr. C. Richard Neely
Assistant Regional Solicitor
Office of the Regional Solicitor
Department of the Interior
Box 3621
Portland, Oregon 97208

Dear Mr. Neely:

Enclosed for your review is a copy of a September 3 letter from
Ms. Anita Nicholson concerning our developing a new water source for
Crater Lake National Park.

A copy of the draft of our proposed reply is also enclosed for your
comment. We would appreciate having your comments on the draft prior
to its being finalized.

No interim reply has been sent to Ms. Nicholson.

Sincerely yours,

(Sgt) Robert S. Luntz

Robert S. Luntz
Associate Regional Director,
Professional Services

Enclosures 2

Fort Klamath, Oregon

September 3, 1975

Mr. Don Barrett
Pacific N. W. Regional Office
National Park Service
Seattle, Washington 98101

Dear Sir:

I understand that the National Park Service is developing new water sources for Crater Lake National Park as a result of recent problems with contaminated water.

This is of concern to me since we own approximately 960 acres of land at Fort Klamath that is entitled to prior first rights on Anna Creek dated 1883. This being set by the State Water Board of Oregon in the matter of the determination of the Relative rights of the waters of Anna Creek, a tributary of Wood River, the 14th day of April 1915. Therefore, any action which the Park Service takes in developing a new water source which affects the flow of water in Anna Creek or the ground water level, would be damaging to our interest, and we would have to hold the Park Service liable for any losses that might occur.

Very Truly Yours,



Anita Nicholson

cc: Mr. Richard Sims
Acting Secretary of the Interior

AN:bl

GIACOMINI, JONES & ZAMSKY

ATTORNEYS AT LAW
A PROFESSIONAL CORPORATION
635 MAIN STREET
KLAMATH FALLS, OREGON 97601
AREA CODE 503
TELEPHONE 884-7728 & 884-4214

J. ANTHONY GIACOMINI
STANLEY C. JONES, JR.
STEVEN A. ZAMSKY

August 11, 1975

Mr. John Rutter, Director
Pacific Northwest Regional Office
National Park Service
523 4th and Pike
Seattle, Washington 98101

RE: Use of water from Munson and Annie Springs
by Crater Lake Park Service

Dear Mr. Rutter:

I am writing this letter on my own behalf with reference to 160 acres of irrigated pasture north of Fort Klamath, Oregon. This land has a water right to take irrigation water from Annie Creek. This water right is perfected and adjudicated. This property is vested in the name of Elaine G. Kerns. My wife and I rent and use this property under the business name of Brier Springs Herefords, Crystal Springs Ranch, Oregon Ltd.

I am writing this letter at the request of Mr. Donald Barrett, hydrologist for your agency. That request came during a telephone conversation with him on August 6, 1975 at approximately 10:18 a.m.. The subject of that telephone conversation was whether or not the taking of water by the Park Service for the Crater Lake facilities would adversely affect the water flow of Annie Creek and thereby reduce available water to service our perfected water right. This problem would most likely result in dry years.

Mr. Barrett stated that the water being taken from Annie Springs is the same quantity that was previously taken from Munson Springs and that, since both Annie Springs and Munson Springs feed Annie Creek, the taking of water would be no different than in the past and that all your agency was doing was relinquishing water from Munson Springs in exchange for water from Annie Springs. He made no mention of whether or not the heads of water were the same from Annie Springs as from Munson Springs. I am informed that raising the water level in Annie Springs

Mr. John Rutter

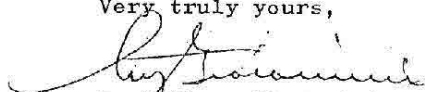
Page 2

August 11, 1975

could make a difference in the flow.

The purpose of this letter is to request that Mr. Barrett's representations be put in writing by a responsible member of your agency. This representation will assist in my having a full record of the effect of the actions on the part of your agency and a confirmation that your agency is not, in any way, interfering with our perfected water rights.

Very truly yours,



J. Anthony Giacomini

BARRETT

L54
(FNR)PSN

August 12, 1975

Mr. C. Richard Neely
Assistant Regional Solicitor
Department of the Interior
Box 3621
Portland, Oregon 97208

Dear Mr. Neely:

We received a phone call August 6 from Mr. Anthony Giacomini, Attorney with Giacomini, Jones, and Zomsky, 635 Main, Klamath Falls, Oregon 97601. Mr. Giacomini said he was calling on his own behalf. He told us he owns land in the Fort Klamath area, which is irrigated by water from Annie Creek; and he wanted to know if the diversion of water from Annie Spring by the National Park Service would alter the flow in Annie Creek at Fort Klamath.

We explained to him that the water supply we had been using came from Munson Spring, which is a tributary to Annie Creek via Munson Creek; and that if we use more water from Annie Spring, an equivalent amount would be released from Munson Spring so there would be no net change in the downstream flow of Annie Creek. Mr. Giacomini then asked if we would send him a letter stating that there would be no net change in the water flow of Annie Creek. We asked him to make his request in writing to the Regional Director, Pacific Northwest Region, and we would respond to his written request. He also expressed concern about the quality of the water which would be released from Munson Spring. We told him that, by the time the water reaches Fort Klamath, we thought any pollutants, bacteria, etc., should be gone or cleared up by the aerating effect of the stream. He indicated he would request a written statement regarding the water flow and to expect his letter soon.

Nothing else was discussed.

Sincerely yours,

(SIGNED)

EDWARD J. KURTZ
Edward J. Kurtz
Acting Regional Director

cc:
General Superintendent, Klamath Falls Group (2)

BARRETT

L54
(FNR)PSW

August 11, 1975

Mr. C. Richard Neely
Assistant Regional Solicitor
Department of the Interior
Box 3621
Portland, Oregon 97208

Dear Mr. Neely:

For the record, we received a phone call on July 28 from Mr. Lloyd Nicholson, Box 458, Fort Klamath, Oregon 97626. He was concerned that the National Park Service was going to begin using water from Annie Spring, which flows into Annie Creek. He told us that the water from Annie Creek was completely adjudicated by the state of Oregon, and there was no extra water available.

He claims his water right (from Annie Creek) dates from 1883. We explained to him that the water supply we had been using came from Munson Spring, which is a tributary to Annie Creek via Munson Creek, and that if we use water from Annie Spring, an equivalent amount would be released from Munson Spring so there would be no net change on the downstream flow of Annie Creek. He seemed satisfied with this explanation; however, we may hear from him again. We also discussed the government's view that the Park would claim water under the Reservation Doctrine, but we did not press this point with him.

Sincerely yours,

(SIGNED)

EDWARD J. KURTZ

Edward J. Kurtz
Acting Regional Director

cc:
General Superintendent, Klamath Falls Group (2)

L5h
(PNR)PS

November 1, 1972

Mr. Chris L. Wheeler
State Engineer
State of Oregon
1178 Chemeketa N.E.
Salem, Oregon 97310

Dear Mr. Wheeler:

As a follow up to our discussions in your office on September 10, and a phone conversation held the next day with Regional Hydrologist Don Barrett, we are sending you a tabulation of water usage data from Crater Lake National Park.

<u>Permit No.</u>	<u>Name of Drainage</u>	<u>Current Usage</u>	<u>Remarks</u>
15156	Annie Creek (inc. Munson Creek)	66,000 GPD	Maximum use in summer. In use all year.
15157	Bear Creek	None	Area recommended for wilderness.
15158	Sand Creek	2,000 GPD at 1,000 GPD at	Lost Creek (seasonal use). Kerv Notch (seasonal use).
15159	San-Vida Creeks (Vida Falls)	None	Proposed four-unit flush toilet.
15160	National Creek	Diversion at patrol cabin removed. Spring at Devil's Backbone not being used.	Area recommended for wilderness except North Junction. Proposed development at Devil's Backbone and North Junction would require some water.

15161	Bybee Creek	Estimated maximum use: 1,000 gal./ month; present use: 100 gal./mo.	Area recommended for wilderness except for Watchmen (seasonal use).
15162	Whitehorse-Castle Creeks	None	Area recommended for wilderness.
15163	Red Blanket Creek	None	Area recommended for wilderness.

The National Park Service intends to make every effort to cooperate with the State in keeping records of usage current. If we can be of further aid to you, please feel free to call upon us.

Sincerely yours,



Bennett T. Gale
Associate Director,
Professional Support

DCBarrett:jcp 11/1/72

L54-PN

Memorandum

To: Director, Pacific Northwest Region
From: Director
Subject: Application for State Water Permits - Crater Lake National Park

We acknowledge receipt of Acting Associate Director Watkin's September 12 memorandum, on the above subject, enclosing a copy of the Assistant Regional Solicitor's September 12 memorandum.

We concur in the Regional Solicitor's recommendation that you neither apply for an extension of the permits nor perfect such water rights in accordance with State law.

Accordingly, the State should be formally advised, as a matter of comity, that further extensions of the permits will not be requested since the United States has adequate water rights under the Reservation Doctrine.

The State should be further advised of our intent to cooperate fully in furnishing whatever data it may need on use of water by the park.

The Assistant Regional Solicitor is to be complimented for his prompt and clear advice and recommendation on this matter.

Enclosure

cc:

Director, Pacific Northwest - Attn: Mr. Donald C. Barrett
Field Solicitor - Portland Region, 1002 N.E. Holladay St., P.O. Box 3621
Portland, Oregon 97208

Asst. Director, Field, Mr. Schmidt w/c enc.

D w/c enc.

P - Dr. Connally w/c enc.

PN - Dr. Linn w/c enc.

PN - Mr. Berte'

VADerte':saa 9/22/72



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

Pacific Northwest Region
931 Fourth and Pike Building
Seattle, Washington 98101

September 12, 1972

L54
(PNR)PS

Memorandum

To: Director, Office of Natural Sciences

From: Acting Associate Director, Professional Support, Pacific Northwest Region

Subject: State Water Permits - Crater Lake National Park

The eight permits issued by the State of Oregon to Crater Lake National Park are due to expire October 1. These permits have been periodically extended since they were originally issued in 1941. Each time an extension was granted because the park has claimed diligence due to lack of funding to complete the proposed developments.

Now three of the watersheds for which permits were issued are to be in wilderness. All planned developments therein have been dropped and the existing facilities removed or destroyed to comply with the Wilderness Act. Under these circumstances, we can no longer ask the state to extend these permits.

Since there is no provision for giving up federal water right claims with a state, we asked the field solicitor's office in Portland to advise us on how to proceed and for a letter draft to the Oregon state engineer's office explaining our position. The solicitor's recommendation was that we need not apply to the state for extensions on any permits since our claim to use the water originating in the park dates from the time the land was acquired by the Service (Reservation Doctrine). (See enclosed letter from solicitor to Director, Pacific Northwest Region).

We do not mean to second guess the solicitor's opinion but feel it would be well to consider an alternate approach to the problem as suggested by Regional Hydrologist Barrett.



National Parks Centennial 1872-1972

1. Drop or not apply for extensions on permit numbers 15157, 15162, 15163, which will be in wilderness but send a letter like the solicitor has suggested.

2. Apply for water right certificates on Annie Creek drainage, permit number 15156, which contains most of the existing diversions. If this would establish a new precedent in dealing with the state engineer as the solicitor suggests, then it could be treated with the item below.

3. Apply for extensions on permit numbers 15158, 15159, 15160, and 15161, in case the Federal vs. State water problems are ultimately settled in favor of the state. Future diversions in these areas should also be recorded as water rights with the state when they are completed. The present here is already established and it should do no harm in continuing these permits.

We would appreciate your comments and those of the departmental solicitor's office so we may act upon this by the end of the month.


Keith M. Watkins

Enclosure



United States Department of the Interior

OFFICE OF THE SOLICITOR
PORTLAND REGION, 1002 N. E. HOLLADAY ST.
P.O. Box 3621, Portland, Oregon 97208

September 11, 1972

In reply refer to:

Memorandum

To: Director, Pacific Northwest Region, National Park Service, Seattle

From: Office of the Regional Solicitor, Portland

Subject: Crater Lake National Park - Application for State Water Permits

You have requested our advice regarding the renewal and perfection of Permits numbered 15156 through 15163 issued by the Oregon State Engineer for the appropriation by the United States of America of public water of the State of Oregon. From your files, it appears that the permits were issued as of November 28, 1941, and periodically renewed at the request of the National Park Service. However, no effort has been made to complete the permits and obtain water rights certificates from the state. It is again time to either apply for an extension of the permits or attempt to perfect the existing permits and obtain water rights certificates.

It is our recommendation that you neither apply for an extension of the permits as listed above nor perfect such water rights in accordance with state law. As a matter of comity you may wish to advise the State Engineer for Oregon that you are not applying for further extensions of the permits since the United States has adequate rights under the Reservation Doctrine. Since Crater Lake National Park was established on May 22, 1902 (32 Stat. 202), the water rights of the Park date from such time, if not before. Thus the rights of the Park under the Reservation Doctrine would be far superior to the state rights which would carry a priority date of no earlier than 1941.

The Reservation Doctrine applies to water rights for federal lands or federal enclaves. It has been well established by the federal courts that the Federal Government had the authority, both before and after a state is admitted to the Union, to reserve water for the use and benefit of federally reserved lands. Such lands would include a federal enclave such as the Crater Lake National Park.

Such reservation of water rights may be implied and the amount reserved would appear to be dependent upon the nature of the enclave. United States v. District Court in and for Eagle County, Colorado, 401 U.S. 520, 28 L.Ed.2d 278 (1971); Arizona v. California, 373 U.S. 546, 10 L.Ed.2d 542 (1963); FPC v. Oregon, 349 U.S. 435, 99 L.Ed. 1215 (1955); State of Nevada ex rel. Shamberger v. United States, 165 F.Supp. 600 (1958). It is inconceivable that a court would not hold that Congress intended to reserve to the Park sufficient water to adequately develop the full recreational potential of the Park--the purpose for which it was created.

The completion of the state permits would only confuse the status of the Park's water rights and would establish a dangerous precedent which may jeopardize federal water rights in other areas. We strongly recommend that you do not obtain state water permits for the appropriation of water within Crater Lake National Park.

For the Regional Solicitor



C. Richard Neely
Assistant Regional Solicitor

cc:
Associate Solicitor,
Parks and Recreation

CRN:dwj

Barrett

L54
(PNR)PS

September 12, 1972

Memorandum

To: Director, Office of Natural Sciences
From: Acting Associate Director, Professional Support, Pacific Northwest Region
Subject: State Water Permits - Crater Lake National Park

The eight permits issued by the State of Oregon to Crater Lake National Park are due to expire October 1. These permits have been periodically extended since they were originally issued in 1941. Each time an extension was granted because the park has claimed diligence due to lack of funding to complete the proposed developments.

Now three of the watersheds for which permits were issued are to be in wilderness. All planned developments therein have been dropped and the existing facilities removed or destroyed to comply with the Wilderness Act. Under these circumstances, we can no longer ask the state to extend these permits.

Since there is no provision for giving up federal water right claims with a state, we asked the field solicitor's office in Portland to advise us on how to proceed and for a letter draft to the Oregon state engineer's office explaining our position. The solicitor's recommendation was that we need not apply to the state for extensions on any permits since our claim to use the water originating in the park dates from the time the land was acquired by the Service (Reservation Doctrine). (See enclosed letter from solicitor to Director, Pacific Northwest Region).

We do not mean to second guess the solicitor's opinion but feel it would be well to consider an alternate approach to the problem as suggested by Regional Hydrologist Barrett.

1. Drop or not apply for extensions on permit numbers 15157, 15162, 15163, which will be in wilderness but send a letter like the solicitor has suggested.

2. Apply for water right certificates on Annie Creek drainage, permit number 15156, which contains most of the existing diversions. If this would establish a new precedent in dealing with the state engineer as the solicitor suggests, then it could be treated with the item below.

3. Apply for extensions on permit numbers 15158, 15159, 15160, and 15161, in case the Federal vs. State water problems are ultimately settled in favor of the state. Future diversions in these areas should also be recorded as water rights with the state when they are completed. The present here is already established and it should do no harm in continuing these permits.

We would appreciate your comments and those of the departmental solicitor's office so we may act upon this by the end of the month.

Keith M. Watkins



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D.C.

IN REPLY REFER TO:
L54-OBL

August 2, 1961

Site L54 CELA

RECEIVED	
NPS REGION FOUR OFFICE	
AUG 7 '61	
REG. DIR.	SUBV. DATE
ASST. R.D.	
OPERATIONS	
ADMIN.	
RECREATION	
INTERP.	
RANGER ACT.	

Spalding
LSS 8/10/61

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Water Right Applications 19574-19581, Permits 15156-15163, Dockets 1 - 8, Crater Lake National Park

Attached are a copy of the gratifying letter of July 27 from the State Engineer, which is apparently in reply to my letter of July 20, and my reply.

It seems probable to me that you can probably prove full use under some of the permits within the next year, or as fast as the combined capacity of several systems in each drainage is provided, and used to approximate authorized extent. The important point is to be sure you use form of proof for municipal rights, if it is less restrictive or specific.

A. van V. Dunn
A. van V. Dunn
Chief, Water Resources Section

Attachments

Copy to: Superintendent, Crater Lake, w/c attachments
Chief, WODC (2), w/c attachments
Regional Solicitor Hogan, Portland



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D.C.

IN REPLY REFER TO:

154-OBL

January 10, 1961

Memorandum

To: Regional Director, Region Four

*reply not
needed*

From: Chief, Water Resources Section

Subject: Pump Data, Annie Spring Water System and Water Right
Application 19574, Permit 15156, Docket 1, Crater Lake

In the last paragraph of his memorandum of December 19, 1960, Mr. Maier suggests that rehabilitation or replacement of the rams at Annie Spring may increase the nonconsumptive water use beyond the authorized 0.16 c.f.s. for power. The analysis of Annie Spring rights should be considered as only part of the total claim or right to water from Annie Creek drainage above the point where the Creek leaves the Park.

The permit authorizes a total diversion of 1.26 c.f.s. for consumptive use at nine points, of which 0.16 c.f.s. is used for power (by ram) before it is subsequently used consumptively in the present amount of about 1/7 from the ram, and the other 6/7 ultimately to be diverted by pump. The main claim is for the consumptive use of 1.26 c.f.s. which may deplete the flow from the park for downstream appropriation except to the extent of undefined "return flow". The proposed breakdown is given on the first page of the rider in the application, with the major diversions from Munson Creek, Castle Creek Garden Spring, Annie Spring, and Annie Creek near the South Entrance. Some of those 1941 estimates for individual diversions may have been high, and others may have been low.

If the north rim developments, and old Headquarters area are not to be developed to extent anticipated in 1941, those claims may be high. There is even a suggestion that consumptive use at the Annie Spring area may not total quite 0.16 c.f.s. On the other hand, the South Entrance development may require more than the claimed 0.25 c.f.s. It will be a simple matter to reallocate the portions of the 1.26 c.f.s. to be diverted at each point, if the total is not exceeded. However, a supplemental claim should be filed when, or if it is determined that the total is to be exceeded.

The nonconsumptive power use does not materially alter the flow leaving the Park. If more rams are to be used in lieu of pumps, a supplemental application should not be protested even if not filed until about time for

CRLA Docket 1

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NPS REGION FOUR OFFICE

JAN 11 '61

SURNAME	DATE
REG. DIR.	
ASST. R.D.	
OPERATIONS	
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RECREATION	
INTERP.	
RANGER ACT	

Spaulding 12/1
Whitworth
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proof of consumptive use. The chief reason that the State would probably like to have such a supplemental filing would probably be to obtain the extra fee for the power use, rather than as a record of additional appropriation of water before it leaves the Park. I suppose the filing should be made if more than 0.16 c.f.s. is to be used for power, but only to comply with the letter of the law. I should not make such a filing until I was sure that the power use, by ram, is to be permanent. If such a filing is made, it should be one filing for all additional rams. I assume that the lift is too great for the use of rams at the South Entrance, and you should note that I made no provision for a ram on that system in 1941.



A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Crater Lake
Chief, WDC (2)



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D.C.

IN REPLY REFER TO:

L54-OBL

December 13, 1960

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Pump Data, Annie Springs Water System, Docket 1, Crater Lake

The pump data with Mr. Wosky's memorandum of November 28 is being filed in the subject Docket 1 in our files.

Comparison of this table with statements for Diversion 6 in the application in the Docket, is interesting and important. I do not recall whether the latter was compiled by my former assistant, Mr. Wilkinson, or Park staff. I do know that the water deliveries to the reservoir were measured at 9.9 gpm. This suggests that the rams have lost a large part of their efficiency, if now delivering only between 3.5 gpm and 3.86 gpm to the reservoir.

The actual water diversion to operate the rams, at 0.16 c.f.s., or 72 gpm was estimated for the water right application, on the basis that rams usually deliver about 1/7 of the total water input. With the rated capacity of 39 gpm for the Rife rams, and the capacity of the Columbia ram probably somewhat less, the present installation is still in compliance with the water right. The 6/7 of the water for power is not used consumptively.

The water right also provides for ultimate consumptive use for the entire 0.16 c.f.s., or 72 gpm, by replacing the rams with a pump. The Berkely pump, plus the two rams still deliver less than this quantity for consumptive use, thus constituting progress toward, but not full use on which to make proof for final license.

It appears, therefore, that a satisfactory progress report can be prepared for the State Engineer when needed, and the right does not need amendment, but should be kept in permit form. If proof and licensing must be made at once for all diversions in the application, as I believe, it may be necessary to defer the proof on this one diversion and use still further. I think all proofs and licensing should be deferred until MISSION 66 developments are completed, any way.

A. van V. Dunn

A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Crater Lake
Chief, WDC (2)

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W. H. H.
12/19/60

File CRLA Docket 1



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON 25, D. C.
August 2, 1960

IN REPLY REFER TO:
154-OBL

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NPS REGION FOUR OFFICE	
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REG. DIR.	SUBVANCE DATE
ASST. R.D.	
OPERATIONS	
ADMIN.	
RECREATION	
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Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Final Completion Report Approved January 29, 1960
Contract No. 14-10-434-175 Portion, Annie Spring Water
System, Docket 1, Crater Lake

Whitworth
Spaulding
155 9/9

The completion report with the copy of Mr. Whitworth's memorandum of June 2 to the Superintendent was a routine matter. The matter has come to my specific attention as the official copy of the report passed over my desk. I think it may be advisable for Mr. Spaulding to discuss the perfection of water rights at Crater Lake with the State Engineer when he passes through Salem the next time.

10/2/60

The State Engineer commended the Park Service for the form in which the applications for Crater Lake were prepared, saying that they were the finest statements of claim he had then received. However, I have subsequently realized that the water rights under each application-permit should be perfected as a unit for the multiple diversions from the stream. The claims were accepted for municipal purposes, which is usually entitled to more time than in the case of other types of claims in which to complete full use of the water with natural growth of the "municipality" which means daily visitor and employee population in the Park. In most states it is also possible to make proof of the completion of the water system to provide the claimed diversion and distribution capacity, and obtain the license for municipal purposes without proof of the full use.

Application 19574, Permit 15156, is for the diversion and use of 1.26 sec.ft. of water from Annie Creek and its tributaries within the Park, of which 1.11 sec.ft. is for consumptive use. Although nine points of diversion are designated, I do not think there will be any difficulty in redistributing the portions of the 1.26 sec.ft. among these diversions, or even changing some of the points of diversion, and making proof when either the capacity or full use is made. The first question is whether proof for the municipal use should be of capacity or actual use. In either case a supplemental application may be needed if use is now expected to exceed the portion of the 1.26 sec.ft. which is claimed for consumptive use.

In preparing Application 19574 it was also my intent that ram capacities were to be the same as ultimate consumptive use with rams replaced with pumps as the actual deliveries by the rams became inadequate. The claim to 0.16 sec.ft. from Annie Spring is so stated in question 2(6) on the rider. The claim to water of Pole Bridge Creek, 2(7), is for only 0.05 sec.ft. of consumptive use with the ram diversion of 0.16 sec.ft. After granting the permit the State Engineer required a supplemental fee for power produced by each ram.

The power feature at Annie Spring was eliminated under Contract 14-10-434-175, and the capacity for consumptive use was increased from 9.9 gpm or 0.0221 sec.ft. (see question 7 in rider) to 40 gpm or 0.089 sec.ft., which is still less than the claimed 0.16 sec.ft. This is a natural increase, with the municipal growth, in capacity for consumptive use, but a possible temporary reduction in total diversion at the particular point. The difference in quantity of 0.071 sec.ft. may be needed from Annie Spring at a later date, or may now be needed to supplement the claim to 0.25 sec.ft., question 2(9) at the South Entrance, or at some other point of diversion. The Park Service should first review all MISSION 66 development plans and this combined water claim, and decide whether developments are being made to provide more or less than the claimed total. The second question to resolve with the State Engineer is whether it is possible to perfect rights to individual points of diversion as full capacities or uses are needed, or whether the entire claim shall, and can be kept in permit form until the full quantity of water is either available by installed capacities or actual use.



A. van V. Dunn
Chief, Water Resources Section

Copy to: Superintendent, Crater Lake
Chief, WODC 2

June 22, 1960

L 54

Memorandum

To: Superintendent, Crater Lake
From: Regional Chief of Operations, Region Four
Subject: Water Meter, Annie Spring Water System,
Water Right Docket 1, Crater Lake

As discussed during Park Engineer Bainbridge's visit to this office we purchased a water meter for installation in the Annie Spring Water System.

The purpose of the meter is to provide records of actual use needed to perfect water rights and to determine the adequacy of the pumps. A sketch is attached showing suggestions for the installation of the meter.

(SGD) JOHN B. WOSKY
Regional Chief of Operations

Attachment

Copy to: Chief, WODC (2)

LSSpaulding:lq

Docket 1 OK
~~Spaulding~~ *iss*
~~Whitworth~~
~~Quiat~~
~~Wosky~~ *Wosky*

FILE
COPY

D5019

WR1
February 16, 1960

Spaulding

Whitworth

Wosky

Memorandum

To: Chief, WDC

From: Regional Chief of Operations, Region Four

Subject: Water Supply, Lost Creek and Annie Spring, Crater Lake

We appreciate the suggestions contained in Mr. Smith's memorandum of February 11, 1960 for the improvement of the Lost Creek Water System.

We will give consideration to the alternatives suggested and to the need for improvement of the Annie Spring pumping equipment.

We intend to send Hydraulic Engineer Spaulding to Crater Lake for a few days in July to assist in a survey of existing water lines as discussed in Superintendent Williams' memorandum of May 11, 1959. Perhaps his visit could be coordinated with the work of your survey party.

(SGD) JOHN B. WOSKY

Regional Chief of Operations

Copy to: Director (2)
Superintendent, Crater Lake (2)

LSSpaulding:lq

B 5039

February 11, 1960

WR1
Memorandum

To: Regional Director, Region Four
From: Supervisory Engineer, WOEC
Subject: Water Supply, Lost Creek and Annie Springs, Crater Lake

Reference is made to Acting Regional Chief of Operations letter of November 17, 1959, to Chief, WOEC, File B-50, on the above subject, whereby our opinion was solicited as to the advisability of using a slow sand filter for the Lost Creek system made from an available redwood tank.

From the information that is available in this office there is not an intake structure for the system. The gravity supply line extends into the creek and is a four-inch V. C. tile line with a total head of approximately 2.0 feet. This, of course, is not enough head to allow a filter unit of any type to be placed in the system ahead of the reservoir.

It is our suggestion that the redwood tank not be converted to a slow sand filter, but that consideration be given to:

1. Construction of a simple intake structure with a perforated pipe buried in a bed of sand and gravel in the stream bed.
2. The possibility of burying a perforated collection pipe alongside the stream. This would only be possible if the soil was porous enough for percolation through the natural soil from the stream to the perforated collection pipe.
3. The use of a manufactured automatic valveless filter. These are available in small sizes with a capacity of approximately 1000 g.p.d. to 54,000 g.p.d. This would require moving the intake upstream until adequate head was available for its operation.

To be doubly sure of a safe system a small meter operated hypochlorinator should be installed between the tank and proposals 1, 2, or 3 above. This too would require that the intake be moved upstream until adequate head was available for operation.

The Annie Springs water system is supplied by two hydraulic runs and more recently a gasoline driven pump was installed to make up for the deficiency of the two runs. It is understood that this pump has to operate two to four hours per day. When the second run was installed in 1958, the two were supplying approximately 12,000 gallons per day. Since the system serves only approximately 100 campsites, 5 comfort stations, one residence and the checking station, it would appear that the runs are not working to their capacity and perhaps require some maintenance and adjustment. There is also the possibility of a line leak. A development the size of Annie Springs and Mazama would normally have a water demand of approximately 12,000 g.p.d. If it is still planned to expand the Mazama Campground it would appear that consideration should be given to a more permanent type of pumping equipment to furnish an adequate water supply for the existing and future needs of the area.

We will have a project crew in Crater Lake on a part time basis this summer making surveys for future projects. At that time, if you so desire, we will assist in making a study of the water problems and make further recommendations.

Sgt. Percy E. Smith
P. E. Smith
Supervisory Engineer

In duplicate

Copy to: Chief, D&C
Chief, Water Resources Section
Supt. Crater Lake

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
CRATER LAKE NATIONAL PARK
MEDFORD, OREGON

Nov. 1, 1937

Mr. E. P. Leavitt, Supt.,
Crater Lake National Park,
Medford, Oregon.

Dear Mr. Leavitt:

I have just recently gone over Mr. Dunn's Report on Water Rights in Crater Lake National Park, and as Mr. Taylor's letter of October 12 which accompanied the report asked for comments on this report I will make the following:

System 2, White Horse Camp Ground. As very little development is planned for this area I feel that there will probably be no occasion to ever have to use waters from Castle Creek, directly, for this area. With some storage provided the present used spring should supply all future needs. The existing pipe line--old boiler tubing--should be rebuilt at some future time.

System 3, Annie Spring. A new reservoir for this area is contemplated as a CCC project. The present rams or possibly a new ram of high efficiency should handle all needs at this point unless this point should be developed as winter headquarters for the park.

System 6, Rim Area System. In the first paragraph of Mr. Dunn's report he says "though it served all needs of the area during July." This should be changed to read that it served the area during the first half of the month of July. This spring usually furnishes water sufficient to supply the Rim Area needs until from the 10th to the 15th of July.

In connection with this diversion it may interest Mr. Dunn and Mr. Taylor to know that the water that is pumped to this area comes from the Klamath River watershed but that waste water from the area runs to the Klamath River watershed, the Rogue River watershed, and also into the lake.

System 9, LostCreek. Several years ago I measured the flow of this spring late in the season --when all of our springs are somewhat low--and found it to be about 100,000 gallons per day.

System 13, North Entrance. The spring mentioned in connection with this diversion is within the Rim.

Very truly yours,

W. E. Robertson
Associate Engineer.

10-25
(May 1926)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL PARK

FILE COPY

FILE NO.

REPORT
ON
WATER RIGHTS
CRATER LAKE NATIONAL PARK

By
A. van V. Dunn
Associate Engineer

(Copy of this report mailed to
Supt., Crater Lake, Oct. 12, 1937.)

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE

6-7410

Branch of Land Acquisition and
Regulation,
Water Rights Section,
San Francisco, Calif.,
September 11, 1937.

NATIONAL PARK SERVICE
BRANCH OF LAND ACQUISITION AND REGULATION
WATER RIGHTS SECTION

REPORT
ON
WATER RIGHTS

CRATER LAKE NATIONAL PARK

By

A. van V. Dunn
Associate Engineer

110 Sutter St.,
San Francisco, Calif.,
September 11, 1937.

Introduction

Assistant Engineer Winsor D. Wilkinson of the Branch of Land Acquisition and Regulation made a field trip to Crater Lake between August 12 and 22. On his return from Colorado to San Francisco, the writer stopped to interview State Engineer Strickland at Salem, Oregon, on August 24, and then proceeded to Crater Lake, where he spent August 26 interviewing Superintendent Leavitt and Park Engineer Robertson, and inspecting water systems.

This report constitutes a record of the above activities.

Interview with State Engineer

The State Engineer was interviewed to determine methods of procedure, which is complicated by the lack of land subdivision within the national park, and to determine what could be done to protect future increases in park water needs. Mr. Strickland advised that they would cooperate to the maximum since the park is a decided asset of the State.

Since the park is "unsurveyed" except in a few isolated areas, it was agreed that the park boundary markers would be used in place of section corners, but that an approximate tie to a section corner would also be given (scaling from the General Land Office or Geological Survey Quadrangle). The two methods are needed to conform with the State filing system. It was further agreed that we would provide a key map of the park giving the coordinate grid from which we computed ties to the park boundary markers.

The following hypothetical answers to items 4 and 5 of the application were prepared and retained by Mr. Strickland and the writer as acceptable:

4. The point of diversion is located N ⁰ ' E feet from Boundary Marker #8 of Crater Lake National Park, in unsurveyed land in that park, being within the approximate ~~e~~ Sec. 16, T 31 S, R 5 E, WM/, unsurveyed in the county of Klamath.
5. The pipe line to be ft. in length, terminating in the approximate NW¹/₄ of Sect. 5, T 31 S, R 5 E, WM/ in unsurveyed land in Crater Lake National Park, from which Boundary Marker #15 bears S ⁰ ' E feet
the proposed location being shown throughout on the accompanying map.

In anticipation of future increases in park water needs, Mr. Strickland approved of claiming municipal status for the park. He explained that no State waters had yet been adjudicated and that when they were, the park claim for municipal use might be overruled, but that it was worth the attempt. He also advised us to list all uses on an application, which would usually include Municipal, Domestic, Recreational, Fish Culture, and Fire Protection.

In connection with the ultimate adjudication of water rights in Oregon, two interesting points developed:

1. Since no water has been adjudicated to date, all filings which the park makes within the next few months will obtain the best possible priority.
2. Adjudications on the Klamath River are being deliberately postponed because the State does not wish to have them carried to a Federal Court and fears such action because of the interstate nature of the river.

In addition to the fact that no water rights have been adjudicated to date, the park will benefit by its creation in 1902, prior to the adoption of the State Water Code in 1905. Mr. Strickland also wondered if there had not been certain reservations of water for Crater Lake, either in the act creating the park or in the original State Water Code. He suggested that the following statement be incorporated under "Remarks" on each application.

"Nothing in this application is intended to abandon or waive any rights to the use of water which are vested by the establishment of the park by Act of Congress 1902."

We had already obtained approval to combine water systems on a single stream as one application. In the interview, Mr. Strickland agreed that in the case of this park a stream could be the Rogue and all its tributaries, or the Klamath and all of its tributaries. By this interpretation, most of the park water systems are on the Rogue and can be treated as a unit serving the proposed Municipal Area as we describe it.

Mr. A. C. F. Perry, Hydraulic Engineer, took an active part in the above interview. Mr. E. K. Humphrey, Office Engineer, who is in charge of water rights, was away on vacation.

Interview with Superintendent Leavitt

Mr. Leavitt was not available at Crater Lake until the afternoon of August 26. At his suggestion, the morning was devoted to inspecting water systems, in the company of Park Engineer Robertson; and the following interview was an exchange of general ideas.

Mr. Leavitt was extremely interested in the attitude of the State Engineer and expressed a desire to file on the maximum water for future needs as permitted by municipal status. He also pointed out that the present filings for Oregon Caves cover only present needs and should be expanded to protect the future.

His greatest concern was over the status of water for Mineral Headquarters at Lassen. He feels that the negotiations with Gerber and Woodson-Beresford Estates offer the only solution, and he is fearful that delay in their completion may result in the loss of this possibility. A more detailed outline of his points was covered in a memorandum to Attorney Joseph E. Taylor dated Sept. 4.

Water System Inspections

The field inspection of water systems, by the writer, was merely to familiarize him with the picture. Very comprehensive data has been obtained through Park Engineer Robertson and Assistant Engineer Wilkinson, but with Park Service regionalization and other personnel changes it was necessary to consolidate this information in the mind of the permanent engineer of this branch. All the major systems were visited and the following data obtained:

1. West Entrance. Since very complete data was already available, only a superficial inspection of the distribution was made. As there is no permanent colony at this entrance at present, justification for appropriation will be based on proposed future developments and public demands of those entering the park.
2. White Horse Campground. This small system was not inspected. Its location was checked by Mr. Wilkinson, and the filing will include provisions for storage and additional diversions from Castle Creek, as proposed by Mr. Robertson.
3. Annie Spring. It is not at present planned to use a large part of the water from this spring, but to preserve its artistic features. Its flow was measured on August 26, and found to be approximately 0.568 sec. ft. It serves the local area consisting of a CCC camp, some residences and a campground, and this consumption is estimated at 7500 g.p.d. or 0.012 sec. ft.

The supply is now delivered by two hydraulic rams, one with 4" inlet and one with 3", and both with 2" discharges. Heads for computing possible maximum discharges can be obtained from the topographic map of the Annie Springs Area.

It is clear that the present 2% use could be increased if necessary without serious effect on appearance. The extent of further development should be fixed by the park, and the filing made to include that quantity.

2
Part to be recommended?

4. Headquarters. The main headquarters, utility and administration area is served by gravity from springs. The flow on August 26 was found to be 0.3 sec. ft. and more was not being collected. For further details, see drawing CL-5049. There is storage of 15,500 gallons in two tanks. Population served is now 80 people.
4. Headquarters - Proposed. The spring proposed for additional supply was also measured and found to have a flow of approximately 0.9 sec. ft.

5. Cabin Area - Below Headquarters. This system is served by springs which could be developed to deliver approximately double the present quantity.

6. Rim Area System. The springs and reservoir on Garfield Peak were not visited, though the reservoir was visible from the road. Mr. Robertson advised that the present flow is approximately 3000 g.p.d., though it served all needs of the area during July.

The main supply was pumped from spring above headquarters during August. The flow on August 26 was approximately 0.21 sec. ft.

The pump (Coalinge T) has four 5"x12" cylinders making 40 strokes per minute and pumping both ways. It is driven by a 40 HP Diesel with a speed of 300 r.p.m. Pump head is 270 pounds. Pipe is as follows:

1/2 mile 4" to distribution line near Lodge.
1/2 mile 6" distribution line to Reservoir.

The hotel manager complained of the hammering audible in the Lodge while pumping, but it was missed by the writer. The manager also expressed fear of a breakdown since there is no auxiliary unit at the pump house.

The Lodge has a capacity of 240 guests and 84 employees, including this summer's improvements. The full capacity has never been quite reached, but the following ratios of seasons' business suggests such a possibility soon:

1935 business taken as	100%
1936 business was	133%
1937 business was (to Aug.26)	144%

The cafeteria use is not fully recorded, but on July 4 there were 2000 people served, chiefly from 11:00 A. M. to 3:00 P. M.

7. Cold Spring Campground System. The water at this campground is dipped from the spring. Unused water sank back in the ground on August 26 without surface runoff, though there were few, if any, campers that afternoon. There is little chance for development.
8. Pole Bridge Campground. This supply is dipped from Pole Bridge Creek, and use is little more than at Cold Spring Campground. The stream flow as not measured, but appeared to be over 0.25 sec. ft., which is more than ample for the combined ultimate use of both Cold Spring and Pole Bridge Campgrounds. However, pumping will be required to deliver water at Cold Spring Campground as the stream originates slightly below that elevation.
9. Lost Creek. Assistant Engineer Wilkinson made surveys to tie this system into the park grid, but stream flow was not measured, due to limited time. It seems to be adequate for the present needs and very little increase is expected.
10. Sun Creek Campground. This supply is dipped from Sun Creek. No measurement of stream flow was made, though the campground was relatively active on the afternoon of August 26. More data is needed regarding both water supply and development plans before this supply is legally appropriated.
11. Kerr Notch. Like Lost and Sun Creek, this system was noted by the writer alone after leaving the Park Engineer. More data on ultimate plans is needed. The new road may change conditions appreciably.
12. Wineglass. This system is reported to be practically abandoned, but new use may be stimulated by completion of the new Rim Road. Park plans should be reviewed before completing filings for the Klamath River Drainage.
13. North Entrance. The North Entrance checking station is supplied with water from a spring on the rim of Crater Lake. A ram delivers the water to two small steel tanks for distribution. The developed spring had a flow of 0.06 sec. ft. on August 26, but there were other springs undeveloped in the area.

This supply is now used at the checking station near the rim, but will have to be piped an additional seven or eight miles to the North Park Boundary when the Entrance is moved to that point (there is no water at North Boundary.)

Such an extension will result in transferring water from the direct drainage of Crater Lake to that of the Umpqua. As it is, at present, transferred from Crater Lake to Rogue River Drainage, there will be no change in general principle. It is doubtful if water from Crater Lake Drainage need to be appropriated, but by use in another watershed an interesting point arises.

14. Watchman. The Watchman Fire Lookout is supplied with water from springs below the Rim Road. There was the following pump equipment:

- 1 - Fleck Triplex Pump - $\frac{3}{8}$ " cylinders.
- 1 - 5 HP Gas Engine.
- 1 - Mile of 1" pipe with 1200 ft. head.

The unit has a capacity of 450 gallons per hour. The spring has much greater flow which may be needed as the Lookout becomes more popular with tourists.

Other systems in the park were not inspected. They are small and in remote areas.

Engineering Surveys

The work of Assistant Engineer Wilkinson consisted of transit surveys, determination of the azimuth by solar observations, and the traversing of some systems. All work was essential to the completion of maps for filing with the applications for appropriation of water. Detailed explanation of this work is hardly possible until the file maps are prepared.

Special Comments

The park has four drainage basins as follows:

1. Klamath River, which includes Headquarters and Lodge Area at Rim.

2. Rogue River which includes West Entrance.
3. Umpqua where no water is now available but a checking station is proposed.
4. Crater Lake, which supplies two water systems, but where legal appropriation will be more of a formality than a necessary protection.

In accordance with the instructions of State Engineer Strickland, only four filings are needed -- one for each drainage basin.

In preparing these four filings, it will be desirable to show a plan to combine as many systems as possible into single units at some future date. The three systems serving headquarters and the Rim, listed as Nos. 4, 5, and 6 on previous park tabulations, are an excellent example. If these three systems are combined, there will be better regulation, more economical operation, and a much clearer picture of the municipal unity of the operating and guest areas of the park. The last point may be very important when the State adjudicates the filings.

From the esthetic side, such a consolidation will also insure a more uniform flow in each stream below the diversion. Individually, one stream might be completely diverted while another had a surplus. By the consolidation, a small portion of each stream could be released and still provide the same domestic supply.

The use of rams instead of pumps seemed quite common in the park. There is no doubt but that this use is highly desirable to the park, as long as streams can provide 85% more water than is needed for consumption. However, these rams indicate a larger surplus supply of water, and it seems desirable to treat them as temporary installations. The filings should be prepared to show a change to pumps when the demand for water increases, rather than the development of additional streams.

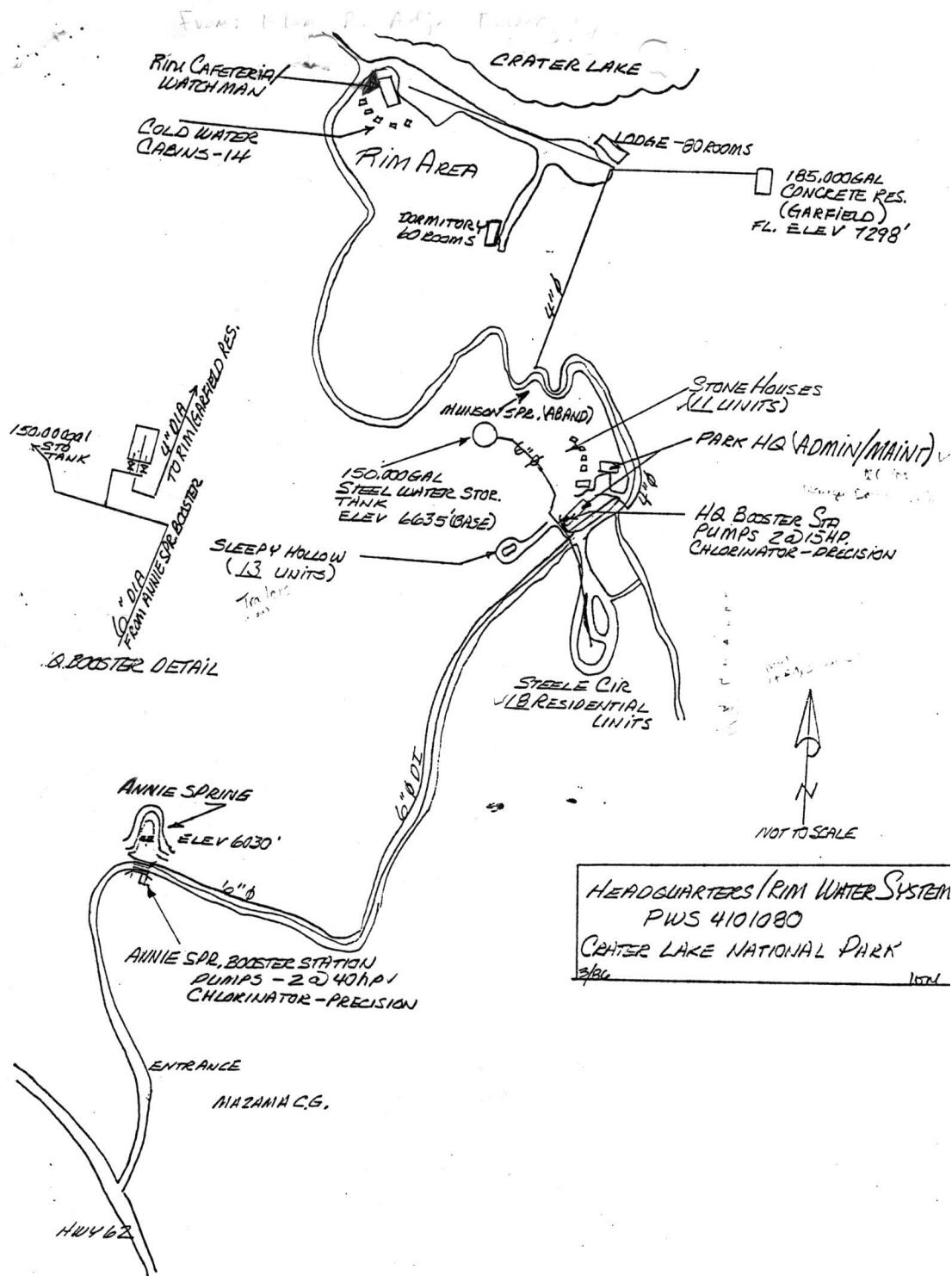
Conclusions

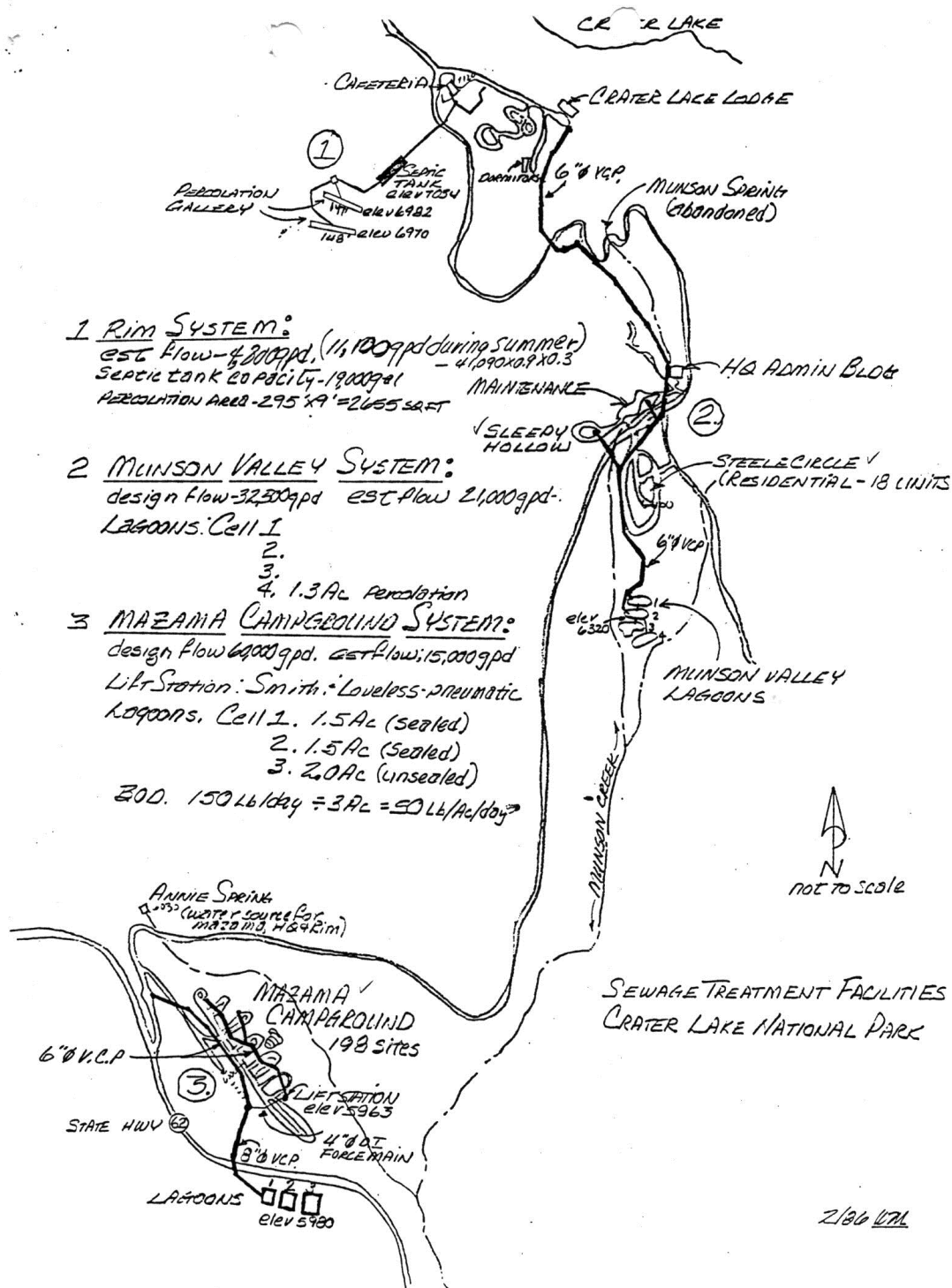
There seems to be ample water for future or ultimate park needs in the streams and springs now partially diverted. The difficulty lies in the scattered location of the diversions. Both to provide adequate ultimate regulation and supply, and to establish justification for municipal status (with resulting freedom to anticipate remote future needs) it is desirable to develop a plan of consolidation as the basis of the water right filing.

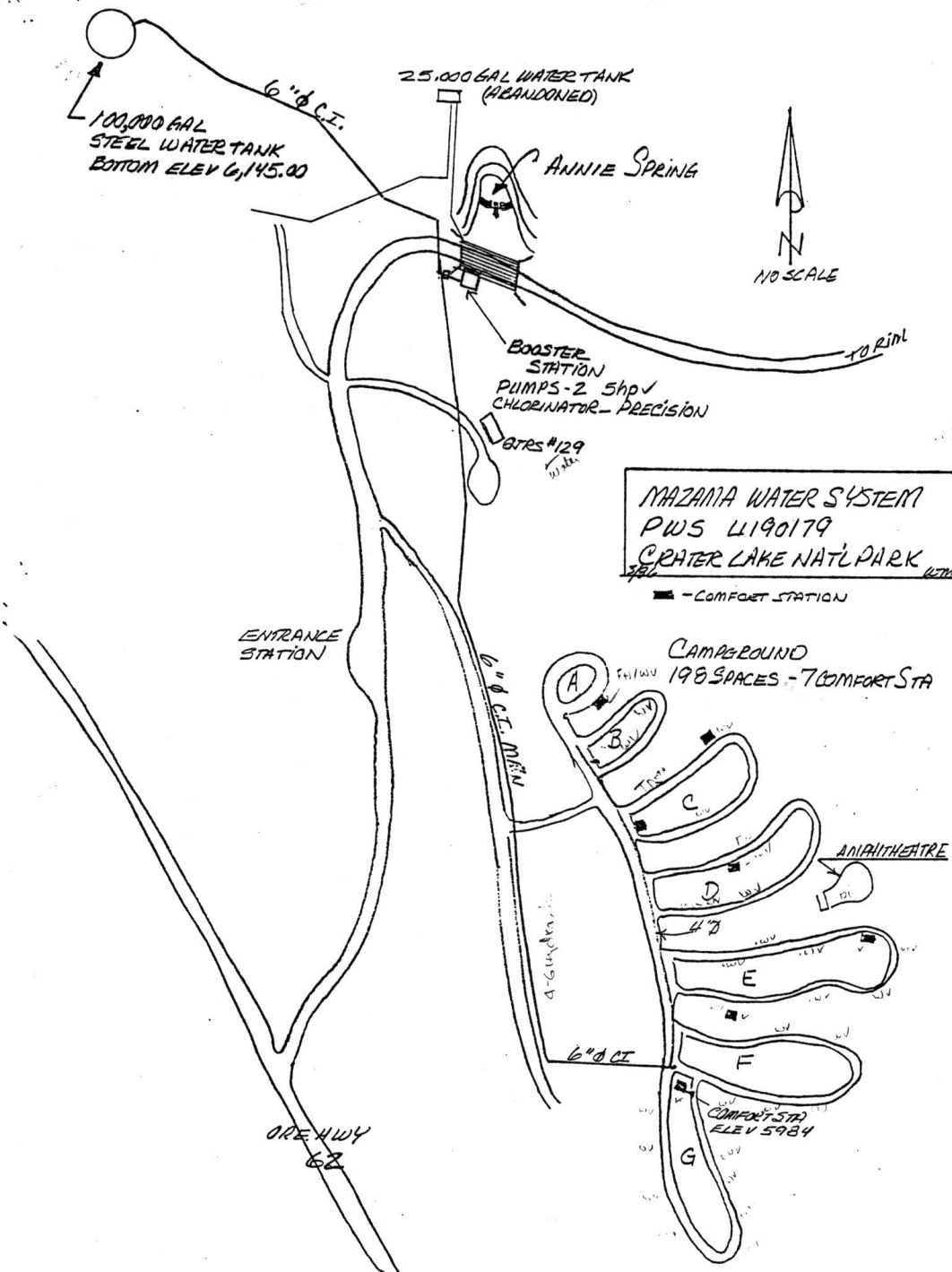
MAP NOTE

FOR UPDATED WATER-SYSTEM MAP,
SEE KLAMATH ADJUDICATION FILES FOR
24 X 30 INCH MAP, DATED DECEMBER 1996

"EXISTING USES UNDER ANNIE CREEK FEDERAL RESERVED
WATER RIGHT CLAIM; ANNIE SPRING WATER SUPPLY SYSTEM"







Docket Information

Number of Documents in Docket 154

Documents Dated from 9/11/1937 to 1/7/2000

Docket Compiled: 6/15/2016