



WATER-RIGHT DOCKET

Crater Lake National Park

Docket No: 7

WHITEHORSE CASTLE CREEK DRAINAGE.

Preliminary Docket Information

12-20-1989: note to the file ; december 20, 1989

NOTE TO THE FILE

**PERMIT NO. 15162 WAS CANCELLED
PERSUANT TO AN NPS REQUEST
DATED DECEMBER 20, 1989**



United States Department of the Interior

NATIONAL PARK SERVICE

WATER RESOURCES DIVISION
301 SOUTH HOWES ST., ROOM 335
FT. COLLINS, COLORADO 80521



IN REPLY REFER TO:

January 16, 1990

L54(479)
CRIA Water Rights

Memorandum

To: Superintendent, Crater Lake National Park

From: Chief, Water Rights Branch, Water Resources Division

Subject: Status of Appropriative Water Rights Within Crater Lake National Park

We have recently received notice (copies attached) from the State of Oregon, Water Resources Department that our applications for an extension of time for water right permits numbers 15156 and 15158 have been approved. The time to complete construction and make complete application of water was extended to October 1, 1994.

In addition, the State notified us that, in conformance with our request of December 20, 1989, water right permit numbers 15157 and 15159 through 15163 have been cancelled and will be of no further force or effect. Based on field investigations and a review of office files, we had previously determined that these water right applications were not consummated as valid appropriative water rights as required by Oregon Water Laws, Chapter 537.450.

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

Attachments

cc: PNR, Hyra (w/attachments)
SOL, Stein (w/attachments)

STATE OF OREGON
Water Resources Department
Salem, Oregon 97310

Pursuant to your authorization letter dated _____
December 20, 1989 your permit No. 15161
is being canceled from the records of this office and will be
of no further force or effect.

Form 690-10-PC

STATE OF OREGON
Water Resources Department
Salem, Oregon 97310

Pursuant to your authorization letter dated _____
December 20, 1989 your permit No. 15162
is being canceled from the records of this office and will be
of no further force or effect.

Form 690-10-PC

STATE OF OREGON
Water Resources Department
Salem, Oregon 97310

Pursuant to your authorization letter dated _____
December 20, 1989 your permit No. 15163
is being canceled from the records of this office and will be
of no further force or effect.

Form 690-10-PC

Kan

December 20, 1989

L54(479)
FNR/CBLA

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 6, 1989, 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 (Sun-Vidas Creek drainage), both located in the Klamath River Basin. However, the NPS specifically reserves the right to make Federal reserved water right 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 FX 1299-0-0536. This amount is paid in the interest of comity 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 Czarnowski or me at (303) 221-8339
or (303) 221-8301, respectively.

Sincerely,

Owen Williams

Owen R. Williams
Chief, Water Rights Branch

Enclosure

cc: GRLA - Superintendent
PWR - Hyatt
SOL - Stein

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

1967 DEC 20 PM 45

CRATER LAKE NAT'L PARK
CRATER LAKE, OREGON



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

Docket No 7

December 19, 1967

19574
19575
19576
19577
19578
19579
19580
19581
Your File L54

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	
	PURCH	
	NAT	
	MAINT	
	BIO	
	CON	

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 diligency 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

2M-8-64

WR Docket # 7
Whitehorse Res. Co. (Winnipeg)

Application No. 19580

Application for Extension of TimeTo the State Engineer of Oregon:
Paul A. Larson, Acting SuperintendentI, for the United States of America, of Crater Lake National Parkstate of Oregon, am the owner and holder of Permit No. 15162, 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:

Noneand did the following work prior to last year: Dam and 5,000 feet of 1 inch water supply line.costing \$ 550.00, and I estimate the cost of completion to be \$ 1,500.I have heretofore used water under said permit to the following extent: Maximum use
of 50 gallons per day.

I am unable to ~~complete construction work~~ ~~make complete application of water~~ } within the required time, for the following reasons, to wit: Construction 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)

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

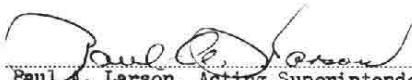
{ completion of construction work } under said permit to October 1, 19 72
~~complete application of water~~
(Strike out phrase not applicable)

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, 19 67


Paul A. Larson, Acting Superintendent

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

[Notarial Seal]

Notary Public for Oregon

My commission expires _____

*Make
copies and
attach to left hand
side of packet*

251 FINANCE BUILDING
170 12TH STREET S. E.

*I hold this until
then from Super arrives*



STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

X. J. 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. 54303 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. Wesky

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 ram, 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

C
O
P
Y

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:

WATER DOCKET NO. 7

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

C O P Y

2M-7-61

Application No. 19580

Application for Extension of Time

To the State Engineer of Oregon:

Neal G. Guse, 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. 15162, 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:

~~None~~

and did the following work prior to last year: ~~Dam and 5,000 feet of 1 inch water supply line.~~

costing \$ 550.00, and I estimate the cost of completion to be \$ 1,500.

I have heretofore used water under said permit to the following extent: ~~Maximum use of 50 gallons per day.~~

I am unable to { complete construction work
~~make complete application of water~~ } within the required time, for the following reasons, to wit: ~~Construction funds not available.~~

(If additional space is required, attach separate sheet)

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

(OVER)

WHEREFORE, I ask that the State Engineer extend the time for the
{ completion of construction work } under said permit to October 1, 19. 67.
~~for extension of time~~
(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 _____

*Recd
1/26/62*



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

January 25, 1962

3
Sidwell
collected
Permits 15156
through 15163
~~15164~~
Crater Lake Na
Park
Your File No.
1-54-CBL

Norman

Mr. Lawrence C. 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, 1964 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 C. Marriam, 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, WOMB (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

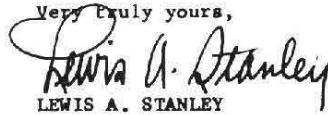
-2-

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

LS4-CBL

July 20, 1961

State Engineer
State of Oregon
Salem, Oregon

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

Re: Water Right Application 15157-1961
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. DIR.	
ADMIN.	
RECREATION	
INTERP.	
RANGER ACT	

Sparking 45 7/21

Memorandum

To: Regional Solicitor
1001 N.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. Dysart, 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 applications and permits.

I trust that this properly reflects the information received 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 3337
PORTLAND, OREGON

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

154
Pace
N.E. Lee
Dunn

Reg.

C
O
P
Y

L-54-L

July 1, 1955

Rec'd: July 6, 1955

Mr. Lewis A. Stanley
State Engineer
Salem, Oregon

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

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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



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

IN REPLY REFER TO:

154-L

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



STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

REFER TO
FILE NO. _____

July 7, 1955

Proced

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

LA

C O P Y

*Crater Lake
Dec 15*

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

November 18, 1942

File No. 19574-81

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

EKM:LD
Enclosure

BEFORE THE STATE ENGINEER OF OREGON

Klamath County

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

O R D E R
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 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,

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.

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

CHAS. E. STRICKLIN
State Engineer

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 much 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. 19380

NOTICE OF BEGINNING OF CONSTRUCTION.

United States of America, by E. P. Leavitt, Supt., the holder of Permit No. 15162
Crater Lake National Park,
 to appropriate the public waters of the state of Oregon, began the actual construction of the works described
 about the 15th day of July, 1924
 therein on the ~~xxxxx~~

Remarks: Both diversions are complete and in use, but other developments are needed
 The appropriator should state the manner of beginning construction work, number of men employed, the amount of work completed

to permit full use. No construction in 1942 because of war conditions.
 up to the date of this statement, and any additional information which may tend to show the beginning of work in good faith.

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

Ethel Wilkinson
 (Signature of Witness)

113 Vancouver Ave., Medford, Oregon

(Address)

UNITED STATES OF AMERICA,
 By E. P. Leavitt

(Signature of Applicant)
Superintendent, Crater Lake National Park.
Medford, Oregon.

(Address)

STATE PRINTING DEPT.

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

C O P Y

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

February 14, 1942

United States of America
Crater Lake Nat'l Park
Crater Lake, Oregon

Attention: Mr. E. P. Leavitt, Superintendent

Gentlemen:

Herewith you will find Application No. 19580, Permit No. 15162,
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—SM-5-39

Permit No. 13162

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

* APPLICATION FOR A PERMIT

To Appropriate the Public Waters of the State of Oregon

The United States of America,
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.

- The source of the proposed appropriation is (1) West Entrance Spring and (2) Whitehorse Spring, is the Rogue River, partially through Castle Creek (see rider).
(Name of stream)
1. The amount of water which the applicant intends to apply to beneficial use is 0.015 cubic feet per second. From West Entrance Spring 0.010 s.f. and from Whitehorse Spring 0.005 s.f.
(If water is to be used from more than one source, give quantity from each)
- *3. The use to which the water is to be applied is Municipal at Crater Lake National Park.
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)
- The point of diversion is located as follows:
West Entrance Spring: N 56°06' E 9630 ft. from park boundary monument No. 8, or corner of N 68°19' E 13540 ft. from the NW corner Section 30, T. 31 S., R. 5 E., W. M.
(Section or subdivision)
Whitehorse Spring: S 72°06' E 16,480 ft. from park boundary monument No. 15, or S 75°02' E 20,980 ft. from the NW corner Section 7, T. 31 S., R. 5 E., W. M.
(If preferable, give distance and bearing to section corner)
being within the Whitehorse Spring, NE 1/4 of Sec. 15, Tp. 31 S., R. 5 E., W. M. in the county of Klamath as said unsurveyed sections are projected, West Entrance Spring to Dist. tank, 14,400 ft.
(Give smallest legal subdivision) (N. or S.)
R. 5 E., W. M., the proposed location being shown throughout on the accompanying map.
(E. or W.)
- The main pipe lines are to be Whitehorse Spring to roadside hydrants, 1,252 ft. in length, terminating in the (West Entrance) SE 1/4 NE 1/4 of Sec. 8, Tp. 31 S., R. 5 E., W. M. (Whitehorse) SW 1/4 SE 1/4 of Sec. 10, Tp. 31 S., R. 5 E., W. M.
(Main ditch, canal or pipe line) (Miles or feet) (N. or S.)
(E. or W.)

DESCRIPTION OF WORKS

DIVERSION WORKS— Both diversions are approximately the same except as noted.

- (a) Height of dam 2 feet, length on top 10 feet, length at bottom 4 feet; material to be used and character of construction masonry
(Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

A 1.25" galv. iron pipe in dam at West Entrance Spring,
(b) Description of headgate. A 1.5" boiler tube in dam at Whitehorse Spring,
(Timber, concrete, etc., number and size of openings)
each with provision for capping or screening as needed.

- (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 is to be lifted, etc.)

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

**Applications for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

Rider

1. Source of supply:

The nameless spring, herein designated as West Entrance Spring, is the major source of a small nameless stream which disappears before reaching the park boundary in the next drainage south of Castle Creek. Whitehorse Spring is the source of Whitehorse Creek, a tributary of Castle Creek. All use from both springs is in the Castle Creek drainage within the park.

4. Points of diversion:

Ties are given by a mean North for the center of the park which varies by approximately $0^{\circ}05'$ from true values at east or west boundary. Said bearings differ from those shown on the map by $1^{\circ}07'$, which is the grid azimuth, by Lambert plane coordinates for Oregon, of the meridian through the center of the park.

This portion of the park is unsurveyed and sections are projected as standard square miles from the west park boundary where the General Land Office tied the boundary posts to its section surveys beyond during resurveys in 1930.

10. Municipal supply:

The employees and their families at Crater Lake now number 250 during the summer months. While only a few employees have been retained throughout past winters, their numbers are increasing with the increased demand for winter sports. The 1940 guest attendance was 252,500 people, nearly all during July, August and September to give an average of 2525 people per day even if no one stayed more than one day. From the graph on accompanying map, it seems probable that this attendance will reach at least 350,000 by 1960 and will probably exceed 400,000 because of increasing winter attendance. Employees will have to be increased accordingly.

The development served by the West Entrance and Whitehorse Pipe Lines is to consist of a checking station with cottages for the rangers and their families, campground facilities, and fire fighting station. Immediate plans are for three residences, camping facilities for twenty-five cars, public comfort stations, and to provide water for picnicking and car radiators. All visitors from the Medford area use this entrance.

The development will be along the road from the West Entrance to Whitehorse Creek in Sections 5, 8, 9 and 10, T. 31 S., R. 5 E., W. M. to the extent of the limited water supply.

12-14. Priority:

The two pipe lines have been in use for a number of years and full appropriation has probably been made but records are inadequate for proof. The area of use is now being completely rezoned and developed because of the unprecedented demands of increasing park attendance. The reconstruction is scheduled over a 5-year period but, due both to dependence on Congressional appropriations and the present defense activities it is doubtful if the program will be completed in less than 10 years.

MUNICIPAL OR DOMESTIC SUPPLY

10. (a) To supply the ~~city of West Entrance~~ facilities of Crater Lake National Park,
Klamath County, having a present population of (see rider)
(Name of)
 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, \$ 15,000.
was begun
 12. Construction work ~~will begin~~ on or before 1924.
 13. Construction work will be completed on or before 1950. See rider.
 14. The water will be completely applied to the proposed use on or before See rider.

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 G. Parker 1324 Queen Ave. Medford Oregon
(Name) (Address of witness)
 (2) G. T. Hopper 331-W 6th Medford, Oregon
(Name) (Address of witness)

Remarks:

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

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

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before....., 193.....

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

STATE ENGINEER

PERMIT

STATE OF OREGON } ss.
County of Marion, }

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

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed 0.015 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 West Entrance Spring and Whitehorse Spring, being 0.010 c.f.s. from West Entrance Spring and 0.005 c.f.s. from Whitehorse Spring.

The use to which this water is to be applied is Municipal

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

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

The priority date of this permit is November 28, 1941

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

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. 1348
Permit No. 1348

PERMIT
TO APPROPRIATE THE PUBLIC
WATERS OF THE STATE
OF OREGON

Division No. _____ District No. _____

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

Returned to applicant: _____

Corrected application received: _____

Approved: _____
January 30, 1942

Recorded in book No. 17 of _____
Permits on page 1316
Chas. E. Stricklin
STATE ENGINEER

Drainage Basin No. 15 Page 38
Fees Paid 10.00

C O P Y

Mt. Rainier-Tipsie Lake
Mt. Rainier-Chanapecosh
Mt. Rainier-White River
Mt. Rainier-Carbon River
Yosemite-Mariposa Grove
Tonto 660-05.7
Pinnacles 660-05.7
Crater Lake 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

L54
(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 Back- bone 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 Watchman (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

D5039

Crater Lake National Park
Medford, Oregon

October 31, 1960

Memorandum

To: Regional Director, Region Four
From: Superintendent, Crater Lake
Subject: Headquarters Water System, Crater Lake

Drawing No. NP-CL 2200 has been reviewed as requested by Mr. Wosky's memorandum dated September 16, 1960. No major errors were discovered on the drawing. On September 30, 1960 and on October 25, 1960, the flows of the springs were estimated to be as follows:

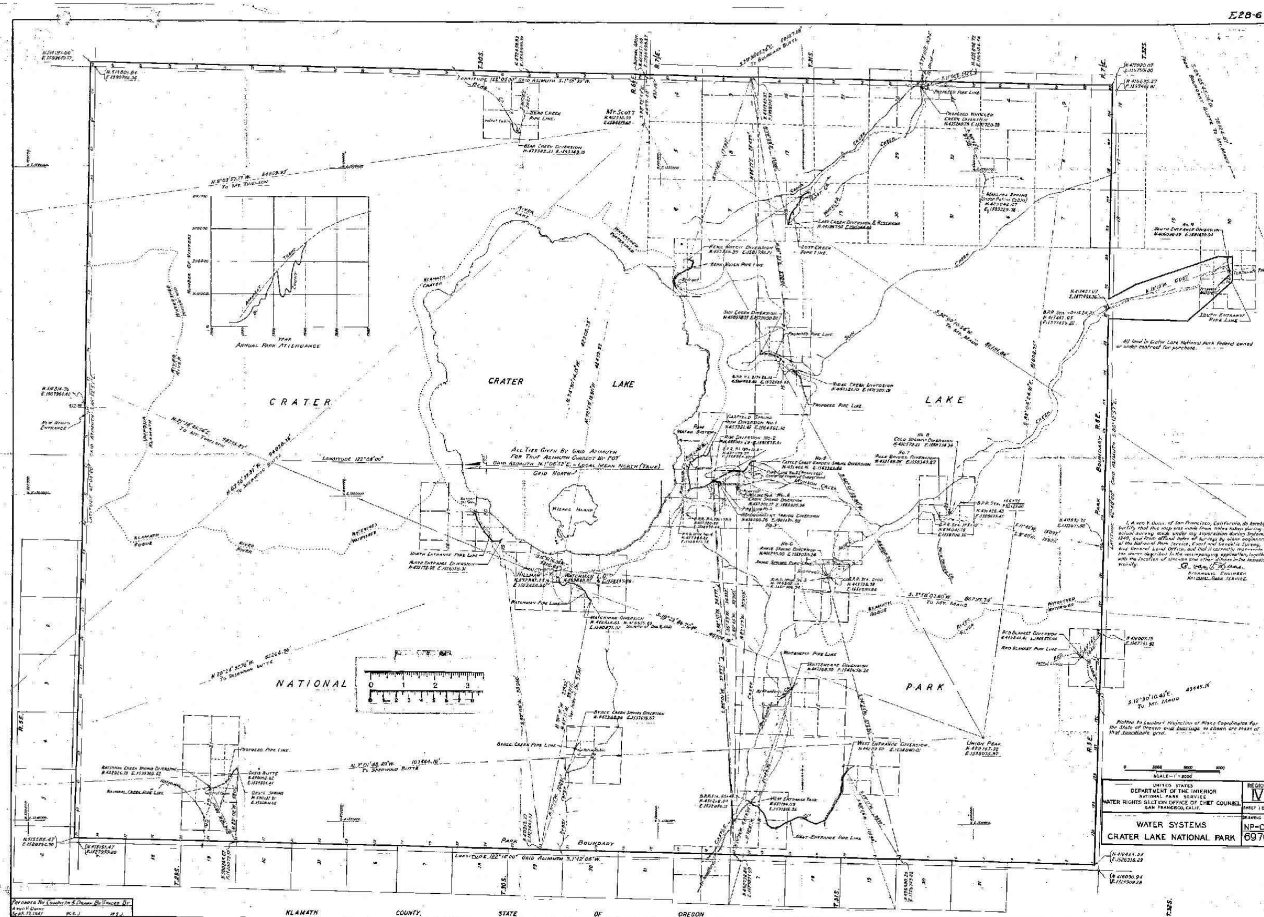
	<u>September 30</u>	<u>October 25</u>
Headquarters	90 GPM	50 GPM
Cabin	130 GPM	80 GPM
Castle Creek	400 GPM	300 GPM
Munson	130 GPM	45 GPM

The above estimates are accurate to within 25 percent. However, the figures do not necessarily represent our lowest flows. Minimum flows usually occur in December or January. We will check for minimum flows this winter season. Castle Creek Spring consists of several scattered springs of which the mean elevation is about 6430 feet above sea level.

If additional or more specific information is required, we will be glad to assist you as possible.

OTTO M. BROWN

Otto M. Brown
Superintendent



Docket Information

Number of Documents in Docket 45

Documents Dated from 7/15/1924 to 1/16/1990

Docket Compiled: 2/14/2011