



WATER-RIGHT DOCKET

Kings Canyon National Park (see also: SEKI)

Docket No: 3

LEWIS & SHEEP CREEK

Preliminary Docket Information

07-03-1979: water right/source docket information

		DATE: July 3, 1979
DOCKET (FILE) TITLE _____		
REGION	Western	ANCA Kings Canyon National Park
SITE Cedar Grove Area		
STATE	California	COUNTY Fresno DOCKET NO. AWR #10-11
LOCATION NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11 & NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13 T13S R30E		
REGIONAL BASIN		LOCAL BASIN
ACQUIRED BY Reservation		
APPLICATION		PERMIT CERTIFICATE
ACTION DUE		PRIORITY RESERVATION August 6, 1965
QUANTITY		USE
STATUS		SOURCE Surface Water - River
REMARKS Hydrologic Unit #18030010		
NARRATIVE:		
The Cedar Grove area was originally withdrawn from the public domain to be made part of a park, excluded from that park and made a part of Sierra National Forest, then added to Kings Canyon National Park in 1965. While a part of the national forest, the NPS made use of the area for campsites and park offices and residences. By 1950 dams and intakes on Lewis and Sheep Creeks supplied the area, with a 25,000 gallon tank used for storage. In 1968 a sewage collection and disposal system was installed and the water system extended. Two other storage tanks had been constructed by that time, a 150,000 gallon reservoir and a 84,000 gallon tank. No information on this site has been available since 1968 and the currently used water system and existing developments are unknown. Since this area is administered by the Park Service, and these dockets concerned use by the park, there is no reason to maintain these records as alien water rights. Instead they should be included in the federal water rights dockets.		
Completed by T. Kern		
Approved by		
P.		

Supporting Hydro Data



IN REPLY REFER TO:

L54-MW

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON, D.C. 20240

DEC 3 1969

Memorandum

To: Director, Western Service Center
From: Chief, Division of Water Resources
Subject: Completion reports, various areas

Enclosed for your information and files are pertinent portions of the following completion reports:

City of Refuge

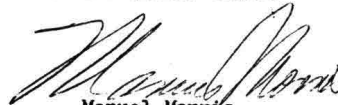
Work Order No. 417-211716 (Rev. 2)
PCP No. U-2-1, U-3-3
Location in Park - Adjacent Visitor Center and Parking area
Work Order Title - Sewage Disposal System - Extend Water and Power Lines

Crater Lake

Work Order No. 106-211730
PCP No. V-83
Location in Park - Rim Village to Garfield Reservoir
Work Order Title - Lodge Sprinkler System Water Line

Sequoia and Kings Canyon

Work Order No. 102-211774
PCP No. U-179, U-180
Location in Park - Cedar Grove
Work Order Title - Sewage Collection and Disposal System (Cedar Grove) and Water System Extension (Cedar Grove)


Manuel Morris

Enclosures (3)

Form 10-174
(Rev. 4-62)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FACE SHEET FOR COMPLETION REPORT

Work Order No.	102-211774
Fund Symbol	210000
Year Programmed	1968
PCP No.	U-179, U-180
Master Plan No.	NP-SK 3508A
Master Plan Corrected By	
As Built Drawings By	Greterman
Date Started	October 2, 1967
Date Completed	September 5, 1968

Work Order Title	Region
Sequoia and Kings Canyon National Parks	Western
Location in Park	State(s)
Cedar Grove	California
<i>Cedar</i>	County or Counties
	Fresno
☒ Contract and/or ☒ Day Labor	

Work Order Title	Date Started
Wage Collection and Disposal System (Cedar Grove) and	October 2, 1967
Water System Extension (Cedar Grove)	Date Completed
	September 5, 1968

DESCRIPTION OF FIXED ASSETS
(For completion by employee in charge of project)

Additions, Improvements, and Extensions to Cedar Grove
Water System (Constr. Cost: \$59,982.33) (230.1)

Wage Collection System (Constr. Cost: \$158,968.83) (230.2)

Wage Treatment Facilities (Constr. Cost: \$128,045.01)
(230.2)

Blitterate Comfort Station (221.9), Building No. 1605.
Cost: \$960.73 (Day Labor Work)

ACCOUNT 230 Direct Cost: \$346,996.17

Write off to Maintenance: \$ 960.73

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SEP 15 1969

TOTAL

\$ 402,515.56

DISTRIBUTION	THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED		
To	DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES		
Director	Submitted	Title	Date
WRO	By: <i>Gale Greterman</i>	Civil Engineer	08/15/69
WRO, Finance	Approved	Title	Date
DCSSC	By: <i>Jerry B. House</i>	Acting Superintendent	09/04/69
Park	COSTS VERIFIED	Title	Date
	BY: <i>S. Toledo</i>	Accountant	9/10/69

COMPLETION REPORT

WORK ORDER NO. 102-211774

Sewage Collection and Disposal System (Cedar Grove)

and

Water System Extension (Cedar Grove)

CONTRACT NO. 14-10-4-102-029

Project No. SK-S-167

National Park Service

United States Department of the Interior

JW 910 3-2 1

SEP 15 1969

n 10-194
 (9/20)

 STATES DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

Sequoia and Kings Canyon National Parks

(Park)

UNIT PRICE CONTRACT

Check One:

 Monthly
 Estimate

 Final
 Estimate

IMATE NO. 7	FOR (Period) September 1 - September 7, 1968	DATE September 25, 1968
TRACT NO. 16-10-4:102-029	COMPLETION DATE April 1, 1968	EXTENDED DATE September 7, 1968
TRACTOR G. L. Fogla, Inc.	ORIGINAL CONTRACT \$ 320,937.00	
JECT Water and Sewage Facilities	CHANGE ORDERS* \$ 3,802.00	
ATION Cedar Grove	TOTAL CONTRACT \$ 322,870.00	

ITEM NO.	CONTRACT QUANTITY	DESCRIPTION	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
		<u>Schedule I, Water Facilities</u>			
Lump Sum		Water Treatment Plant	100%	22,125.00	22,125.00
Lump Sum		150,000 Gal. Reservoir	100%	23,675.00	23,675.00
Lump Sum		Sheep Creek Intake Structure	100%	1,800.00	1,800.00
200		Lin. Ft., 8" C.I. Drain Pipe	213	6.50	1,417.00
250		Lin. Ft., 6" C.I. Water Pipe	313	5.50	1,740.00
1000		Lin. Ft., 4" C.I. Water Pipe	914	4.20	4,112.00
350		Lin. Ft., 2" Galv. St. Water Pipe	222	2.50	595.00
150		Lin. Ft., 1" Galv. St. Drain Pipe	157	1.50	235.00
2		Each, 6" Fire Hydrant	2	400.00	800.00
Lump Sum		Relocate 2-6" Fire Hydrants	100%	400.00	400.00
1		Each, 6" C.V. & Box	1	150.00	150.00
1		Each, 4" C.V. & Box	3	120.00	360.00
2		Each, 1" C.V. & Box	2	50.00	100.00
4		Each, 3/4" Curb Stop & 3/4" Water Meter in Conc. Box	4	100.00	400.00
1		Each, 1 1/2" Curb Stop & 1 1/2" Water Meter in Conc. Box	1	300.00	300.00
Lump Sum		Eliminate Concrete Valve Box	100%	200.00	200.00
Contingent		Sum Forces Account Work		1,500.00	1,500.00
		<u>Total, Schedule I, Items 1-17</u>			59,922.00
		<u>Schedule II, Storm Drainage</u>			
400		Lin. Ft., 10" CIP, 0'-4" Deep	503	8.00	4,744.00
150		Lin. Ft., 10" CIP, 4'-6" Deep	253	8.50	2,702.00

APPROVED (Project Supervisor)

/s/ Gale Greterman

Gale Greterman

APPROVED (Contracting Officer)

/s/ Jack L. High

Jack L. High

DATE

NOV 25 1968

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SUMMARY

TOTAL TO DATE	\$ 346,996.17
LESS RETAINED AMOUNT.....	0.00
NET.....	346,996.17
LESS PREVIOUS PAYMENTS.....	323,670.37
LESS LIQUIDATED DAMAGES.....	0.00
DUE THIS ESTIMATE.....	23,325.80
% COMPLETED TO DATE:	100%

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NARRATIVE STATEMENT

SEP 15 1969

Construction of Water and Sewerage Facilities, Cedar Grove, Kings Canyon National Park

Work Order No. 102-211774

DESCRIPTION OF WORK: This project involved the construction of a basic sewage collection system and an 80,000 GPD extended aeration sewage treatment plant. The plant effluent is pumped to two new lagoons and a spray field. A water treatment plant was also built, and numerous water line extensions were made in the future concession area.

PLANS and SPECIFICATIONS for this project were prepared by the Design Office of the San Francisco Service Center.

PROJECT ACTIVITIES

Preliminary surveys were made by Zimmerman Engineering of Visalia, California.

Construction layout was made by Gale Greterman and DCSSC field crew.

Four bids were received and opened September 7, 1967.

Award of Contract No. 14-10-4-102-029 was made to C. L. Fogle Construction, Redding, California, for Bid Schedule I, II, and III in the amount of \$328,987.00. Schedule IV (Roads, Parking Areas, etc., at Cedar Grove) was not awarded due to high bids.

Notice to Proceed was issued on October 3, 1967, and the date of October 5, 1967, was established as the first day of the contract.

Construction work consisting of the accomplishment of Schedule II (Sewer System) started in early October, 1967.

The remainder of the Fall was devoted to the construction of the sewage collection system in Camps 1, 2, 3, and 4, and the water system extensions in the future concession area. Likewise, the sewage system in the latter area was also about complete when work was shut down for the winter. The project was resumed in the Spring of 1968. During the summer, the water treatment plant was built, as were the sewage treatment plant, the two lagoons, and the spray field.

All things considered, the project turned out rather well. Some difficulty arose when the design topo proved to be inaccurate, and portions of the collection system did not "fit" the existing ground as well as they might have, but these problems were eventually ironed out.

JV 940 3-2 1

C. L. Fogle Construction, in my estimation, does excellent work. They employed only one trades subcontractor, a concrete man-carpenter. All other work was accomplished by the prime contractor.

Stop Order No. 1 was issued effective from December 1, 1967, to April 14, 1968 (both dates inclusive) because of bad weather. Work was resumed on April 15, 1968, and continued throughout the summer to a Fall completion date.

Change Order No. 1 added two days, Change Order No. 2 added four days, Change Order No. 3 added 15 days, and Change Order No. 4 added two more calendar days to the contract period. The above Stop Order extended the contract an additional 136 calendar days.

On November 15, 1967, Change Order No. 1 was issued providing the following items of construction:

1. Installation of a drop-type manhole at MH A-7, in lieu of a standard manhole.
2. Removal of an existing 18" x 84" CMP and installation of a new 18" x 90" CMP 20 inches lower than the old culvert.
3. Removal of an existing 18" x 24" CMP, and installation of a new 18" x 26" CMP, just below the new 8 inch sewer main.

On December 19, 1967, Change Order No. 2 was issued providing for the following items of construction:

1. Installation of a drop-type manhole, in lieu of a standard manhole, at manhole 18 on the sewer main.
2. Additional reinforced concrete protection on three stream crossings, between Camps 1 and 2.

On August 12, 1968, Change Order No. 3 was issued providing for the accomplishment of the following extra work items:

1. Installation of a one inch flap-valve on the end of each of the two one inch drain lines in the future concession area.
2. Installation of No. 4 reinforcing bars in the water filter sump.
3. Placing of numerous barrier rock to reconstruct campsites and block off water line clearings.

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SEP 15 1968

4. Provision of a welded steel ladder and cage to the top of the backwash storage tank at the water filter plant.
5. Provision of an 8' portable aluminum step ladder for use at the water treatment plant.
6. Replacement of the existing slide gate on the Sheep Creek settling tank with an 8" gate valve.
7. Installation of two 18" CMP valve boxes on exterior water lines at the water treatment plant.
8. Connection of the Cedar Grove Ranger Station and Fire Crew Dorm into the new sewer system.
9. Connection of the concession store and two concession-trailers into the new sewer system.
10. Connection of an existing six inch VCP sewer into MH A-6 in the future concession area.
11. Import of 40 cu. yds. of select material to serve as additional cover between manholes 16 and 17.
12. Relocation of diagonal braces on the bridge crossing to permit installation of the 8" CIP sewer.
13. Provision of a self-priming feature on the spray field pump.
14. Placement of additional barrier rock in order to reconstruct camp-sites and block off sewer line clearings.
15. Provision of an 8' welded steel ladder from the ground up to the aeration tank catwalk.
16. Relocation of the valve box exhaust fan at the sewage treatment plant.
17. Provision of an extra 15' of 4" discharge hose on the spray field pump.
18. Assisting the Park in placement of a rented 50KW electrical generator and 1000 gallon fuel tank.

On September 3, 1968, Change Order No. 4 was issued providing for the following items of construction:

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- SEP 15 1968
1. 100' of 3/4" industrial hose and one high pressure nozzle at the sewage treatment plant.
 2. 50' of 1 1/2" industrial hose and 1-1 1/2" gate valve on a drain line at the water treatment plant. Also 10' of 2" industrial hose with which to drain the backwash storage tank and the filter tank.
 3. Installation of a 50 amp, 2-pole circuit breaker on the spray field pump circuit inside the control building.
 4. Installation of a standard manhole at station 0+06 on "C" lateral.
 5. Deleted Item 6 from Change Order No. 3. The Park made satisfactory temporary repairs to the subject slide gate.

A prefinal inspection of the work was made on August 21, 1968, and the work was found to be deficient in several respects. These items were subsequently corrected.

All construction was essentially complete on September 7, 1968, and the Final Inspection was made on September 9, 1968.

No liquidated damages were assessed.

Overruns and Underruns on Contract Bid Schedule

The major overrun on this project involved Item 23, Schedule II, Bituminous Road Re-surfacing. This arose because the field layout of the sewage collection system stayed more in existing road clearings than the designer anticipated. This minimized the resultant scar to the Cedar Grove campgrounds, which are heavily wooded, especially in Camps 1 and 2. Item 4, Schedule III, Lagoon Liner, also involved quite an overrun, evidently due to the designer's under-estimate.

LIMITS OF PROJECT

See the attached bid schedule for lengths, types, and sizes of water and sewer lines installed.

The diversion point from Sheep Creek remains the same. An existing 16,000 gallon wood stave tank was obliterated, and a new 150,000 gallon reservoir constructed. The existing 84,000 gallon tank remains. Final filtration is now provided by a 75 gpm "Permutit" automatic valveless gravity filter.

An "EIMCO" package sewage treatment plant was constructed. It replaces the numerous septic tank-leach field combinations at Cedar Grove, most of which had been troublesome over the years. The treatment plant is of the extended aeration type, and has a capacity of 80,000 gpd. Retention time is approximately 24 hours. A comminutor preceeds the aeration tank, and a hypo-chlorinator follows it. Two lagoons and a spray field were also built, resulting in a very flexible arrangement and complete treatment. I might well mention that this is a rather complicated treatment plant. If it is to ever work at 100% efficiency, a trained operator is a must.

The facilities constructed under this work order have resulted in a usable unit.

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SEP 15 1969

AEUR # 10745-10
11 Kings Canyon

P. H.

12/15/65
11/16/65

August 9, 1965

Morris
Hamilton

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Memorandum

To: Director
From: Acting Regional Director, Western Region
Subject: Water Rights, Cedar Grove, Kings Canyon

Enclosed are several memoranda from the Superintendent, Sequoia & Kings Canyon. In his memorandum of July 15, the Acting Superintendent raised the question of appropriative filings for water which are currently under riparian usage. The concern for the water rights was raised by passage of the Sisk Act which adds Cedar Grove and Tahipite to Kings Canyon. Another bill now before the Senate, S-1636 by Senator Kuchel and nine others, may also effect water rights at Cedar Grove. You may recall that S-1636 was reviewed in a memorandum, Subject: Miscellaneous Legislation, Legislative Memorandum No. 17, dated May 26, 1965 from the Office of the Regional Solicitor at Portland to Bonneville Power Administrator and Regional Heads, Interior Agencies.

Superintendent Davis and Park Engineer Robert Haraden met with Field Solicitor Costello and Acting Regional Chief of Lands and Water Rights Morris at the Regional Office on July 21. Mr. Costello's suggestion on filing is noted in Mr. Davis' memorandum of August 3.

Water Rights at Cedar Grove are found in Alien Water Right File 10 (Lewis Creek) and File 11 (Sheep Creek). The contents of the files are identical. The most recent item is a memorandum dated January 30, 1950 from A. van V. Dunn indicating that the United States will rely on the riparian status without appropriation "until the fate of the area is better determined." With the determination being an accomplished fact, the question of riparian versus appropriative rights may now be a matter for reconsideration. This could be especially necessary if S-1636 is passed.

We would appreciate your comments.

Warren F. Hamilton

Enclosures

cc: Supt., Sequoia & Kings Canyon

MMorris:af

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

January 30, 1950

Statement by A. van V. Dunn

Re: Lewis Creek Water System and Sheep Creek Water
System in Cedar Grove Area of Sierra National
Forest

Appropriative filings should be made to cover each water development, to be consistent with policy followed by both Forest Service and National Park Service. However, the United States will rely on riparian status, without appropriation, until the fate of the area is better determined. The whole area is covered by First Form Withdrawal for power.

(SGD.) A. VAN V. DUNN,

A. van V. Dunn
Chief, Water Resources Branch

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
REGION FOUR
SAN FRANCISCO, CALIFORNIA
180 New Montgomery Street

Re: D5039 KICA

January 6, 1950

Memorandum

To: Director

From: Associate Regional Director

Subject: Water claims and water systems in the Cedar Grove area
adjacent to Kings Canyon National Park

This refers to Mr. Dunn's memorandum of August 12, and Mr. Maier's memorandum of October 10, regarding the above subject. The plans made available by the Forest Service were checked in the field and found to be proposed rather than completed plans of the water system.

The Cedar Grove water supply intake consists of a concrete dam across Sheep Creek with a six inch main capable of 1.13 c.f.s. maximum flow. This flow is ordinarily throttled to a smaller value except when peak demands are anticipated. At present a 25,000 gallon wood stave tank is employed below the dam for storage and settling purposes. Pressure reducing valves have been incorporated in the line in a junction box near Cedar Grove camp. The water is distributed from the junction to the various campgrounds in the area through smaller pipes.

The Lewis Creek intake consists of two 2" lines placed in a small natural pool in the creek. One line serves the residential area and the other serves the old C.C.C. camp area where seasonal employees are situated. Each line is capable of an approximate maximum flow of .025 c.f.s. This is barely sufficient for domestic uses with no provisions for fire protection. However, preliminary studies of a proposed new line farther up the creek have been made which show that greater head and flow are available.

A stadia survey was completed this fall, which ties in the water intakes and mains to the nearest quarter corners found. Bearings and distances were computed as follows:



Other Supporting Information

<u>From</u>	<u>To</u>	<u>Bearing</u>	<u>Dist.</u>
1/4 corner common to sections 13 and 14, T. 13 S., R. 30 E., M.D.M.	Sheep Cr. Intake	S. 6°36' E.	2005.9'
1/4 corner common to sections 11 and 14, T. 13 S., R. 30 E., M.D.M.	Lewis Cr. Intake	N.24°13' W.	2654.6'

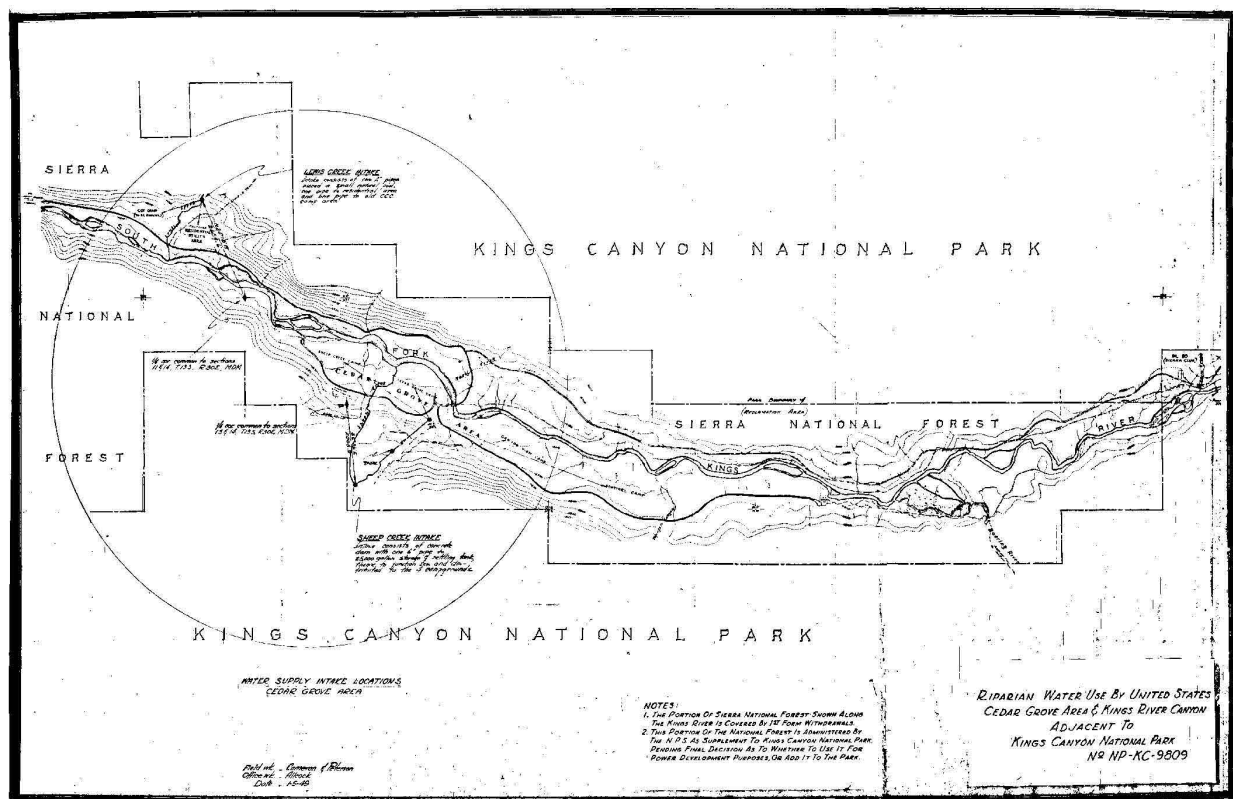
We have no complete profiles of the main lines, and insufficient data on the distribution systems.

This information has been plotted on a print of Drawing No. NP-KC-2021A, which we are enclosing.

/s/ H. Maier

Herbert Maier,
Associate Regional Director

Attachment



Docket Information

Number of Documents in Docket 15

Documents Dated from 1/5/1949 to 7/3/1979

Docket Compiled: 4/19/2011