



Lassen Volcanic National Park

Docket Number: 4

BUTTE LAKE CAMPGROUND AND RANGER STATION WELL

Preliminary Docket Information

January 12, 2015

MEMO TO FILE

In 2014, the State of California suffered the third consecutive year of extreme drought. In January 2014, the Governor declared a drought emergency. The State Water Resources Control Board issued projections for the summer of 2014 as to likely calls for curtailment in the state's major watersheds.

In response, WRB contacted all of the NPS units in California regarding the drought and offered WRB's services to assist in preparations for potential calls for curtailment. A few parks responded, and WRB prepared drought assessments for SEKI, YOSE, and LAVO, and also worked with PINN and WHIS. The drought assessments included an inventory of the park's rights and uses, an assessment of the relative seniority of the parks rights, and an estimation of the likelihood of the park's rights being called for curtailment. In spring 2014, WRB sent to SEKI, YOSE, and LAVO the drought assessments with recommendations to ensure that park water needs were protected.

In summer 2014, the Board did issue calls for curtailment of post-1914 rights in order to protect the diversions of senior rights (pre-1914 and riparian). In addition, the State legislature passed laws regarding the management of groundwater—the first legislation regarding groundwater in the State's history. As a result of these developments, WRB updated the drought assessment and provided a final hardcopy to SEKI, LAVO, and YOSE, reflecting these developments.

Given the size of the drought assessment, one hard copy was put into Docket #1 of each park. In the remaining dockets, this Memo to File has been placed, referring readers to the drought assessment located in Docket #1.

Eric Lord
Water Rights Specialist
January 2015

WATER RESOURCES/WATER RIGHT

DATE: August 19, 1977

WATER RIGHT/SOURCE DOCKET INFORMATION

REGION Western AREA Lassen Volcanic National Park
SITE Butte Lake Campground & Ranger Station - Well
STATE California COUNTY Lassen DOCKET NO WR #4
LOCATION NW $\frac{1}{4}$, sec. 10, T31N, R6E
REGIONAL BASIN _____ LOCAL BASIN _____
ACQUIRED BY _____
APPLICATION _____ PERMIT _____ CERTIFICATE _____
ACTION DUE _____ PRIORITY 1941 RESERVATION _____
QUANTITY 50 GPM USE Domestic
STATUS Active SOURCE Well

REMARKS

Hydrologic unit #18020003NARRATIVE:

The Park Service dug a well in 1941 near the Cinder Cone - Butte Lake area to supply water for domestic use at the Butte Lake Ranger Station and Campground. The well was sunk to a depth of 12 feet on the edge of a lava flow, adjacent to the lake. A pump was installed, and after testing, well capacity was determined to be 50 gallons per minute.

Due to drought conditions, the water level of Butte Lake declined several feet during the spring of 1976. As a result, the nearby well failed to provide water. Water for the campground was supplied at this time by direct pumpage from the lake. During 1976 and 1977, three test wells were drilled in the area. Two of the wells were dry, but the third well produced water at an approximate rate of 5 gallons per minute.

1977 continues to be an extremely dry year. It is anticipated that when the drought ends, the dug well will again be utilized as the water source for the immediate area.

W. Werrell
July 16, 1977

Compiled by Kevin KidderApproved by W. WerrellPage 1 of 1

Lassen Volcanic National Park

Water Right #4

Outline of Assembly - Correspondence

1. Memorandum to Regional Director from Chief Water Resources,
January 5, 1954
2. Memorandum to Superintendent from Acting Assistant Regional Director,
January 27, 1954
3. Memorandum to Regional Director from Superintendent, February 1, 1954
4. Memorandum to Regional Director from Chief Water Resources, February 9, 1955

06 DATA

Lassen Volcanic National Park

BUTTE LAKE CAMPGROUND AND RANGER STATION WELL

Supporting Hydrologic Data

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

Director

X Well 10	

Locate well on plat of section.

1. Location: State California County Lassen
Nearest P. O. Old Station, Calif. Direction from P. O. S.E.
N.W. $\frac{1}{4}$ sec. 10, T. 31 N., R. 6 E.
2. Owner: Lassen Volcanic National Park Address Mineral, California
~~Driller~~ Dug Same Address Same
Site selected by: Eugene J. Barton Address Lassen Volcanic National Park
Mineral, California
3. Situation: Is well on upland, in valley, or on hillside? Valley
4. Type of well: Dug; kind of drilling rig used --
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
5. Depth of well: 12 ft. ft.; year in which well was finished 1941
Does well enter rock? Yes; if so, at what depth? Surface ft.; kind of rock broken lava (aa)
normal about
6. Depth to water: 5 feet ft.; Amount water rose above level where first struck none ft.
7. Diameter: At top 10" inches; at bottom 10" inches. 10" pipe installed after digging
8. Principal water bed: Rock, aa lava
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed 5 ft. ft.; thickness of bed est. 20 ft. level fluctuates
If other water supplies were found, give depth to each None
9. Casings: Kind corr. galv.; size 10"; length 12 ft.; between depths of 0 and 12 ft.
Kind ---; size ---; length --- ft.; between depths of --- and --- ft.
Kind ---; size ---; length --- ft.; between depths of --- and --- ft.
- Packers (if any): Depth at which packers were used ---; kind ---
- Screen or Strainer: Was well finished with screen or perforated pipe? perf.; kind of screen ---; length of screen --- ft.; diameter --- inches; size of openings ---
perforated pipe; size of perforations believe 1/2"; How were perforations made; burned, drilled? dr.
10. Head: Does well at present overflow without pumping? No; did it overflow when new? No
11. Pump: Is the well pumped? yes; kind of pump rotary
size or capacity of pump about 50 g.p.m.; kind of power 43yl. gas engine
12. Yield: Natural flow at present (if any) -- gallons inexhaustable; original flow 11 gallons per minute;
well has been pumped at 50 gallons per minute continuously for 1 hours;
quantity of water ordinarily obtained from well 50 gallons per minute
13. Use: For what purpose is the water used? Drinking and other domestic.
14. Quality of the water: Soft, fresh; is there an analysis? no
(Hard or soft, fresh or salty, etc.)

Name of person filling blank Eugene J. Barton,

Date April 13, 1948 Address Lassen Volcanic National Park, Mineral, Calif.

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

0620

07 OTHER

Lassen Volcanic National Park

BUTTE LAKE CAMPGROUND AND RANGER STATION WELL

Other Supporting Information



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

In reply refer to:
L54-L

RECEIVED
NPS, REGION FOUR OFFICE

FEB 11 1955

February 9, 1955

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: Transmittal of Water Right Docket No. 4, "Mineral Headquarters Well", Lassen Volcanic National Park

	SURNAME	DATE
REG. DIR.		
ASST. R.D.		
OPERATIONS	<i>Hand</i>	<i>2-14</i>
ADMIN.		
COOP. ACT.		
INTERP.		
LEGAL		
<i>*Hand</i>	<i>Bfm</i>	<i>2/18</i>

Sent cc Supl. Lassen
2/18
Bfm.

A portion of the above subject is in quotes as we wish to correct the error we originated in our memorandum of January 5, 1954. In Mr. Manbey's transmittal memorandum of January 27, 1954, he kindly supplied the map requested in the former memorandum, but it was not until a routine review at a much later date, that it was discovered that the well is not at Mineral Headquarters, but at Butte Lake Camp-ground and Ranger Station, which should be the title of the docket. We have thus changed the Director's copy and would appreciate your having the field copies corrected.

Mr. Manbey's last paragraph is more or less automatically complied with, in attaching the map, since the water use is clearly described thereon.

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

In duplicate



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
LASSEN VOLCANIC NATIONAL PARK
MINERAL, CALIFORNIA

In reply refer to:
L 54-L

X *Mamby BFM*
Crowley 11/2/53

February 1, 1954

Memorandum

To: Regional Director, Region Four
From: Superintendent, Lassen Volcanic
Subject: Water supply well at Butte Lake campground, Water Right
Docket No. 4, Lassen Volcanic National Park

Sent cc W.O. 2/3/54

BFM

There follows a brief statement describing the purpose and extent of use of the subject well as requested in Mr. Dunn's memorandum of January 5, attached to yours of January 27.

The well was dug to provide a potable water supply for the Butte Lake Ranger Station and Campground. Annual use is estimated to be 110,000 gallons.

We wish to call attention to the fact that the well is located at Butte Lake and not at Mineral Headquarters as indicated by Mr. Dunn's memorandum.

Edward D. Freeland

Edward D. Freeland
Superintendent



In reply refer to:
154-L

January 27, 1954

~~Manbey~~

B/m

Memorandum

To: Superintendent, Lassen Volcanic
From: Acting Assistant Regional Director, Region Four
Subject: Transmittal of Water Right Docket No. 4, Mineral
Headquarters Well, Lassen Volcanic

Attached is original copy of the above-mentioned docket together with copy of Mr. Dunn's memorandum of January 5.

As requested by Mr. Dunn, we have secured from the Regional Engineer, and attach, one copy of map showing the location and pipe connections to the main water system. This should be filed with the assembly.

Attention is called to Mr. Dunn's request for a brief statement "describing the purpose and extent of use." One copy of such statement should be filed with the assembly and two copies should be sent to this office.

B. F. Manbey
Acting Assistant Regional Director

Attachments

Copy to: Director, w/c map

BFManbey:bes

FILE COPY



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

In reply refer to:
154-L

Memorandum

To: Regional Director, Region Four
From: Chief, Water Resources Branch
Subject: Mineral Headquarters Well, Water Right Docket No. 4,
Lassen Volcanic National Park

Attached are two assemblies of Water Right Docket No. 4
for your office and the Park, which now includes only the record
of the well drilled in 1941.

The docket should also include a map showing the loca-
tion and pipe connections to the main water system, or independent
area served in the Headquarters area. Since this is a riparian
ground water system which does not now require an appropriative
filing, the water system can be sketched on any small map of the
Headquarters area.

This record has been held in our pending file for some
time, and we can find no specific reference to the well. Pre-
sumably, it is one of the wells for which records were requested
in the general memoranda of July 22, 1947, from Mr. Tolson, and
March 2, 1948, from Mr. Carnes. In addition to the map, there
should be a brief statement by the Superintendent in the docket
describing the purpose and extent of use.

A. van V. Dunn

A. van V. Dunn
Chief, Water Resources Branch

In duplicate

Attachments 2

Bfm
has been
Manley
January 15, 1954
Wrote Supt 1/27 Bfm
Can you supply map so that
assembly can be sent out to
Supt? One copy of map should
go in our
assembly too,
also W.O.
Bfm
1/11/54

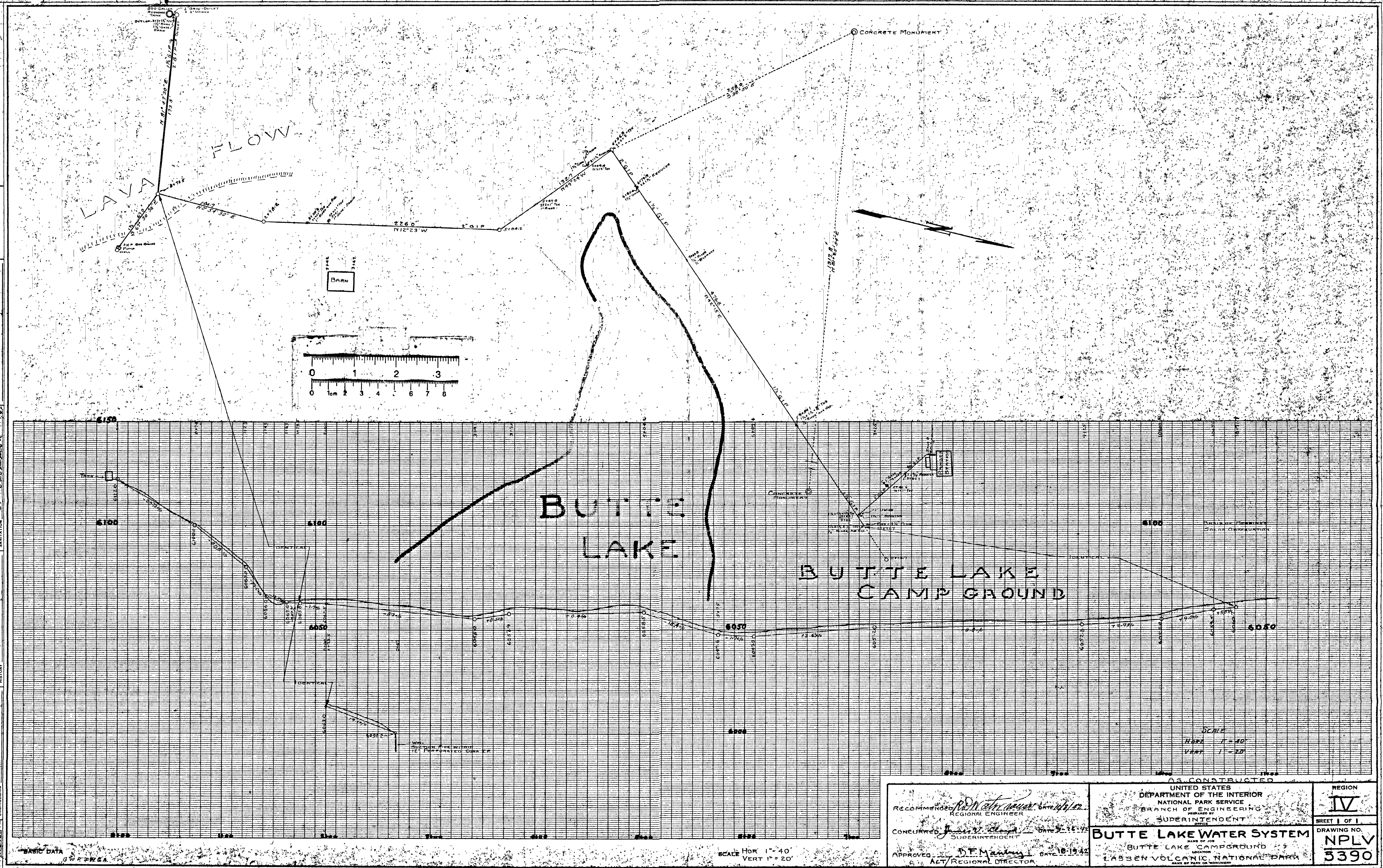
08 MAPMISC

Lassen Volcanic National Park

BUTTE LAKE CAMPGROUND AND RANGER STATION WELL

Maps and Miscellaneous Information

DESIGNED BY R.E.D. DATE MAY 25 1942	PLANS AND DESIGN DIVISION MAY 25 1942	FORESTRY DIVISION MAY 25 1942	HISTORY DIVISION MAY 25 1942	RESEARCH AND EDUCATION DIVISION MAY 25 1942	SANITATION DIVISION MAY 25 1942	RECREATIONAL PLANNING AND STATE COOPERATION DIVISION MAY 25 1942	CLEARED DIVISION MAY 25 1942	REGIONAL DIRECTOR DIVISION MAY 25 1942



RECOMMENDED <i>R.E.D.</i> REGIONAL ENGINEER DATE 5-25-42	CONCURRED <i>J.W. Clark</i> SUPERINTENDENT DATE 5-25-42	APPROVED <i>D.F. Manning</i> ACT/REGIONAL DIRECTOR DATE 5-25-42	UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE BRANCH OF ENGINEERING PREPARED BY SUPERINTENDENT	REGION IV
			BUTTE LAKE WATER SYSTEM BUTTE LAKE CAMP GROUND LOCATION LASSEN VOLCANIC NATIONAL PARK NAME OF PARK ON MONUMENT	SHEET 1 OF 1
				DRAWING NO. NPLV
				3390

Transmittal request to Supt
from Regtl dated Jan 27 1944

Docket Information

Number of Documents in Docket : 11

Documents Dated from : 03-24-1942 to 01-07-2025

Docket Compiled: 1/27/2025