

STATE OF CALIFORNIA—RESOURCES AGENCY  
**STATE WATER RIGHTS BOARD**  
**REPORT OF INSPECTION**

Application 21397 Owner Clinton H. Roemer  
Permit 14306 Address 102 South Orlando Avenue  
License \_\_\_\_\_ Los Angeles, California 90048  
Date of Inspection May 6, 1968 Inspected by F. M. Kuchta  
Accompanied by Mr. Albert Muncy - lessee  
Persons interviewed None  
Reason for Inspection Time expired December 1, 1967

### Filing Data

Date filed July 18, 1963 Amount allowed 15 acre-feet per annum  
Date approved April 3, 1964 Season October 1 to May 1  
Time allowed to complete December 1, 1967 Purpose Stockwatering, recreation & fire  
Permitted acreage, if irrigation -----

### Recommendation

The project is complete and license is recommended as follows:

1. Amount	15 acre-feet per annum
2. Season	October 1 to May 1
3. Purposes	Stockwatering, recreational and fire protection
4. Point of diversion	As described in permit
5. Place of use	At reservoir within NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 8, T28N, R6W, MDB&M.

### Source

Name An unnamed stream Is record of flow maintained? No  
Tributary to Dry Cr th S Fk Cottonwood Cr If so, by whom? -----  
County Tehama Is supply natural flow? Yes  
From (direction) North Estimated minimum flow No flow during summer  
During what portion of year does minimum flow occur? April or May until fall rains begin  
Measured or estimated flow at time of inspection No flow

### Diversion System

Is point of diversion at location specified in permit, license or order? Yes, it appears to be  
If not, when will petition be submitted? -----  
If diversion point has been moved, roughly describe present location with respect to authorized location -----  
Would change cause any injury? -----  
Is diversion by gravity or pumping? Gravity collection in on-stream reservoir  
Is diversion system complete? Yes If not, briefly explain what remains to be done -----

If not complete, does it appear to have been pursued with reasonable diligence? Complete

What is the capacity of the limiting section? 15.1 AF  
Explain briefly manner of determining above capacity Transit-stadia spiderweb survey to determine area--plotted to scale and planimetered--Sounded from a kayak, height of dam and freeboard by use of hand level. Drawdown by use of transit.

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## Place of Use

(Permit)

Name of place of use, if commonly known as such No particular name

Describe briefly any changes from place of use as described in permit, license or order None

Is petition required? No If so, indicate when it will be submitted -----

Is place of use developed to a point where full use of water may be made? Yes

If not, describe briefly what remains to be done -----

Does it appear that development has been pursued with due diligence? Complete when application filed

Does permittee or licensee own or control all the land originally covered or as covered by change? Yes

## Major Use of Water

Briefly describe method of applying water to major use Livestock drink direct from the reservoir.  
Recreational use is bird-hunting and fishing (Shotgun shells and bait cans found)

This reservoir is less than 10 miles from a State Forestry fire camp--in the event of a range fire in the area it could and would be used as a water source--a road accessible by 4-wheel drive vehicles has been constructed down to the reservoir.

Does method of use appear to be wasteful, judging from local standards? No

Explain answer Normal for the area. If the water were not collected during winter months, it would waste into the ocean.

List units served during maximum season (if applicable) About 50 head of cattle

## Other Uses

Average number of persons served during maximum period ----- Number of housing units -----

Plumbing facilities available -----

Area of garden, lawn, etc., served ----- Area sprinkled to allay dust -----

Number of ~~domestic~~ livestock served 50 head

Other miscellaneous domestic use -----

Recreational use Fishing and bird-hunting -- ducks and quail etc.

## Extent of Use of Water

Season of use and/or diversion to storage: From about October 1 to about May 1

Average rate of use by direct diversion during maximum period -----

Approximate beginning and ending dates of maximum period -----

----- Year of maximum use 1965

*Complete the following only if storage is involved*

Maximum amount diverted to storage in one season About 12 AF Year 1964-65

Does the purpose for which water was stored require withdrawal before use? No

If so, give maximum withdrawal in one season About 12 AF Year 1965

How much water was held over in dead storage? At minimum about 3 AF

For what purpose? Fall stockwatering

## Other Rights

Riaprian to this source.

CALCULATIONS

How was information regarding season of use (shown on Page 2) obtained? From Mr. Muncy at time of inspection -- Beginning and end dates variable but roughly October to May

Show method of obtaining each item of basic information used in calculation below: See bottom of Page 1

Show formula used in computing direct diversion or capacity of storage reservoir:  
Average of areas of two successive contours x interval = capacity in that section, etc. etc.

CALCULATION OF DIVERSION DURING MAXIMUM SEASON  
(In tabular form—not narrative)

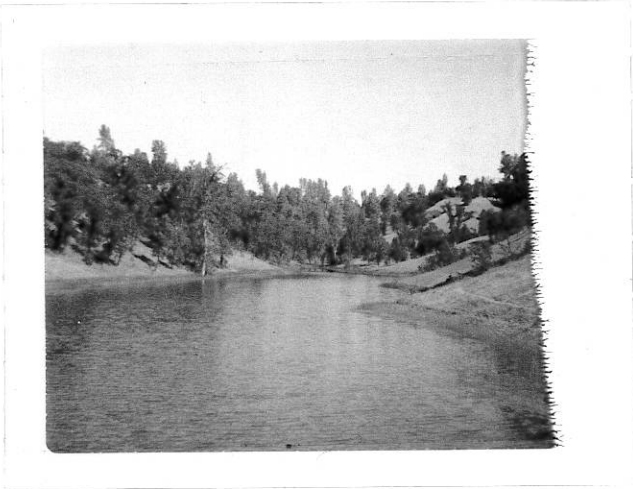
See Page 4 for calculations of capacity of the reservoir.

The permit covers a diversion of 15 acre-feet per annum and the reservoir was found to have a capacity of slightly over 15 acre-feet. That amount is recommended for license.

CALCULATION OF ANNUAL USE BY MONTHS

(If a reasonably accurate calculation of use "by months" cannot be made, leave spaces blank but in space provided for calculations explain reasons).

January	AF	April	AF	July	AF	October	AF
February	AF	May	AF	August	AF	November	AF
March	AF	June	AF	September	AF	December	AF



If more space is needed for calculations, use supplemental sheets. All remarks to be on page following this and supplemental sheets.

SE NW

SW NW

Theo 1/4"

Line

NE NW

NW NW

An earthen fill dam 29' high  
to crest with 4.5' freeboard.

Water down 0.75' 5-6-68

Numbers within reservoir indicate  
depths when reservoir is full.

No appreciable portion of the  
reservoir is in other than  
NW 1/4 of NW 1/4 of Section 8.

A-21397  
Scale 1"=100'

Bearings and distances

Sta. 1 to:

2	125'	260°
3	165'	309°
4	235'	313°
5	230'	329°
6	265'	338°
7	405'	348 1/2°
8	470'	351°
9	635'	352°
10	725'	352°
11	805'	353°
12	785'	355°
13	675'	358°
14	610'	358 1/2°
15	515'	1 1/2°
17	360'	2 1/2°
18	300'	0°
19	230'	4°
20	160'	1°
21	50'	57°

Sta. 2 to:

16	520'	17°
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Calculations of capacity

High water area 1.83 ac  
 $1.50 \times 5' = 7.5 \text{ AF}$   
 5' depth 1.17 ac  
 $0.92 \times 5' = 4.6 \text{ AF}$   
 10' depth 0.66 ac  
 $0.47 \times 5' = 2.4 \text{ AF}$   
 15' depth 0.28 ac  
 $0.14 \times 4' = 0.6 \text{ AF}$   
 19' depth Neglibible area

Total Capacity 15.1 AF

Permit amount = 15 AF

## REMARKS

This is a very satisfactory stockwatering reservoir as it fills easily each year and does not go dry before the fall rains begin. Thus, it is able to furnish water in the fall when it is badly needed for cattle that are brought back to the range and it likewise is able to support fish-life throughout the year. As a fire supply, it is more likely to be needed in the fall months than in the spring or early summer, so, in that respect it is very satisfactory. A 2-wheel drive road has been built down to the reservoir but because of sloughing during winter rains, it is now a borderline case -- however, completely adequate for 4-wheel drive vehicles.

Maximum use, as to number of cattle served, occurred during 1965 when about 50 head had access to this supply. Normally, for the benefit of the range, Mr. Muncy, the lessee would prefer to have 20 to 30 head of cattle on this range. He could not make a definite statement as to drawdown, except that it does not go dry.

May 6, 1968

  
Engineering Associate