



WATER-RIGHT DOCKET

Lake Mead National Recreation Area

Docket No: 11

LAS VEGAS. WASH-SURFACE WATER.

Preliminary Docket Information

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

DATE: July 3, 1979

DOCKET (FILE) TITLE _____
REGION Western AREA Lake Mead National Recreation Area
SITE Temple Bar
STATE Arizona COUNTY Mohave DOCKET NO. WR #11
LOCATION see narrative
REGIONAL BASIN _____ LOCAL BASIN _____
ACQUIRED BY Reservation
APPLICATION _____ PERMIT _____ CERTIFICATE _____
ACTION DUE _____ PRIORITY _____ RESERVATION October 8, 1964
QUANTITY _____ USE _____
STATUS Active SOURCE Ground Water - Well

REMARKS Hydrologic Unit #15010005

NARRATIVE:

From 1952 until 1975 a series of wells have been drilled at the Temple Bar area to supply the campground and visitor facilities there. Water quality problems have been encountered with the first few wells drilled and only the later wells are currently in operation. These wells are as follows:

- 1) T31N R19W Sec. 33 SW ^{act} _{sec} NE _{sec} (Inactive) 1952
- 2) T31N R19W Sec. 33 NE _{sec} SW _{sec} NE _{sec} (Inactive) 1957
- 3) T31N R19W Sec. 33 SW _{sec} SW _{sec} NE _{sec} (Secondary Source) 1965
- 4) T31N R19W Sec. 32 NE _{sec} SW _{sec} NE _{sec} (Active, yielded 185 gpm) 1967
- 5) T31N R19W Sec. 32 NE _{sec} NE _{sec} SE _{sec} (Scheduled to be the primary source, unknown if in operation yet) 1975

The area should be field checked to determine the extent of facilities present and the source currently used by the development.

Completed by T. Kern

Approved by _____



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 36063
SAN FRANCISCO, CALIFORNIA 94102

JUN 9 '82

L54 (WR-RNW)

June 4, 1982

Mr. Wesley E. Steiner, Director
Department of Water Resources
99 E. Virginia Avenue
Phoenix, Arizona 85004

Reference: Arizona Groundwater Management Act
(1980), A.R.S. 45-593

Dear Mr. Steiner:

Enclosed are the completed well registration forms for existing wells within the State of Arizona owned by the United States Government, Department of the Interior, National Park Service, Western Region. These forms have been completed for the following areas: Casa Grande National Monument (1 well), Chiricahua National Monument (8 wells), Coronado National Memorial (6 wells), Fort Bowie National Historic Site (1 well), Grand Canyon National Park (no wells), Lake Mead National Recreation Area (14 wells), Montezuma Castle National Monument (3 wells), Organ Pipe Cactus National Monument (21 wells), Petrified Forest National Park (3 wells), Saguaro National Monument (14 wells), Tonto National Monument (1 well), Tumacacori National Monument (3 wells), Tuzigoot National Monument (1 well), and Walnut Canyon National Monument (1 well). The location of these National Park Service areas are shown on the enclosed map (in red).

Of the total 77 wells being registered, 12 wells have a pump capacity exceeding 35 gallons per minute and therefore payment in the amount of \$120.00 (\$10.00 X 12) will be forwarded to your office by the U.S. Treasury Department under separate cover as the registration fee for these non-exempt wells.

If there are any questions with regards to this matter, or if we can be of further assistance, please contact Gerard S. Witucki, Chief, Division of Water Resources, (415) 556-8660, of this Office.

Sincerely yours,

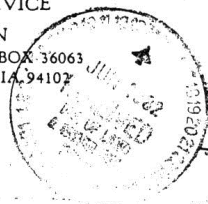
FOR

Howard H. Chapman
Regional Director, Western Region

Enclosures

See attached sheet for bcc's

RMR



Rec'd	Initials
Regional Office	6/10/82
Administrative	
Policy & Planning	
Public Affairs	
Records Management	
Training	
Other	
Alison Tolson	

See Dockets for
SAGO, CORO

bcc's sent to:

Superintendent, Casa Grande, w/respective encls., w/blank form & w/o map
Superintendent, Chiricahua/Fort Bowie, w/respective encls., w/blank form & w/o map
Superintendent, Coronado, w/respective encls., w/blank form & w/o map
Superintendent, Grand Canyon, w/o encls.
Superintendent, Lake Mead, w/respective encls., w/blank form & w/o map
Superintendent, Montezuma Castle/Tuzigoot, w/respective encls., w/blank form & w/o map
Superintendent, Organ Pipe Cactus, w/respective encls., w/blank form & w/o map
Superintendent, Petrified Forest, w/respective encls., w/blank form & w/o map
Superintendent, Saguaro, w/respective encls., w/blank form & w/o map
Superintendent, Tonto, w/respective encls., w/blank form & w/o map
Superintendent, Tumacacori, w/respective encls., w/blank form & w/o map
Superintendent, Walnut Canyon, w/respective encls., w/blank form & w/o map
General Superintendent, Southern Arizona Group, w/respective encls., w/blank form & w/o map
Field Solicitor, San Francisco Office - Attn: J. Burke, w/encls. & w/blank form
Field Solicitor, Phoenix Office - Attn: W. Swan, w/map, w/blank form & w/example of
completed form
Regional Director, Rocky Mountain Region - Attn: W. McKeel, w/map, w/blank form &
w/example of completed form
Regional Director, Southwest Region - Attn: G. Moore, w/map, w/blank form & w/example
of completed form
(WR)AF, w/SF 1034, w/o encls.



DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

REGISTRATION OF EXISTING WELLS

INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING
PRINT OR TYPE - FILE IN DUPLICATE

Declaration: The United States gives this certification to the State in the interest of comity, and does not concede that the State has power to regulate the rights of the United States to the use of water.

REGISTRATION FEE (CHECK ONE)	
EXEMPT WELL (NO CHARGE)	☒
NON-EXEMPT WELL - \$10.00	☐

FOR OFFICE USE ONLY	
REGISTRATION NO. 55	629135
FILE NO.	8(31-19)33
FILED	6-9-82 AT 1:30
(DATE)	(TIME)
INA	
AMA	

- Name of Registrant:
National Park Service, Western Region, Division of Water Resources
450 Golden Gate Ave., Box 36063 San Francisco CA 94102
(Address) (City) (State) (Zip)
- File and/or Control Number under previous groundwater law:
(File Number) 35 (Control Number)
- The well is located within the SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 33, of Township 31 N N/S, Range 19 W E/W, G & SRB & M, in the County of Mohave.
 - If in a subdivision: Name of subdivision _____, Lot No. _____, Address _____.
- The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
Unused
- If for irrigation use, number of acres irrigated from well _____.
- Owner of land on which well is located. If same as Item 1, check this box ☒

(Address) (City) (State) (Zip)
- Well data (If data not available, write N/A)
 - Depth of Well 183 feet
 - Diameter of casing 12 inches
 - Depth of casing N/A feet
 - Type of casing steel
 - Maximum pump capacity N/A gallons per minute.
 - Depth to water 112 feet below land surface.
 - Date well completed September 25, 1957
(Month) (Day) (Year)
- The place(s) of use of water. If same as Item 3, check this box ☐.

Lake Mead National Recreation Area - Temple Bar #1
Attach additional sheet if necessary.
- DATE JUN 3 1982 SIGNATURE OF REGISTRANT (Sgd) Gerard S. Witucki

GERARD S. WITUCKI
CHIEF, DIVISION OF WATER RESOURCES

CHANGE OF WELL INFORMATION

Registration Number 55 629135

I request the following information be changed in Well File Number B(31-19)33acc

Date _____, 19____ Signature of Well Owner _____

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, _____, state that I am (no longer) the (new) owner of the well described below:

Township _____ Range _____ Section _____, _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$

Registration #55-_____ File No. _____

Previous Owner _____ New Owner _____

Address _____ Address _____

City _____ State _____ Zip _____ City _____ State _____ Zip _____

NOTE: ARS 45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE
CHANGES IN OWNERSHIP OR WELL
DATA SUCH AS PUMP CAPACITY, ETC.

State of Arizona

DEPARTMENT OF WATER RESOURCES

99 E. Virginia Avenue, Phoenix, Arizona 85004

RECEIVED
U.S. DEPARTMENT OF AGRICULTURE REGIONAL OFFICE
JAN 25 1982
D
BRUCE BABBITT, Governor
WESLEY E. STEINER, Director
JAN 4 1982

Dear Well Owner:

Arizona's new Groundwater Management Act requires that all existing wells, regardless of size, be registered with the Department of Water Resources by June 14, 1982. An existing well is one that was drilled prior to June 12, 1980, and which has not been abandoned or sealed. Included are wells which were not completed by June 12, 1980, even though a Notice of Intent to Drill was filed with the Department.

For your convenience, enclosed are the registration forms and the information from your well file. If the information is still correct, simply transfer it to the new form. If the information needs to be updated, please do so on these forms. Be sure to file all forms in duplicate so we can return one copy to you.

There is no fee to register "exempt" wells with a pump capacity not exceeding 35 gallons per minute. "Non-exempt" wells, those with a pump capacity greater than 35 gallons per minute, cost \$10 each to register.

If you own additional wells for which we did not provide data, we probably do not have those wells in our records, or they are filed under another name. In the event you no longer own the well, please forward this information to the new owner.

If you have any questions about well registration, feel free to call us at 255-1546. The toll free number in Arizona is 1-800-352-5464.

Thank you for your cooperation.

Sincerely,

W. Don Maughan
W. Don Maughan
Deputy Director

WDM/CLL/
Enclosure

Think Conservation!

Office of Director 255-1554

Administration 255-1550, Water Resources and Flood Control Planning 255-1566, Dam Safety 255-1541,
Flood Warning Office 255-1548, Water Rights Administration 255-1581, Hydrology 255-1586.

DSR: SWC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Docket #1
See H. 5-20-59

RECORD OF WELL

1. Location: State **Arizona** County **Mohave**
Nearest P. O. **Kingman** Direction from P. O. **Northwest**
Distance from P. O. **75** miles; $\frac{1}{4}$ sec. , T. , R.
If in city, give street and number **Temple Bar Landing**

2. Owner: Address
Driller: **T. R. Hodges** Address **Prescott, Arizona - General Delivery**

3. Situation: Is well on upland, in valley, or on hillside? **Side of Dry Wash**

4. Elevation of top of well: ft. the level of (See, depot, lake, or stream)

5. Type of well: **Drilled** (Dug, driven, bored, or drilled); kind of drilling rig used **Mayhaw Rotary** (Solid tool, jacking, rotary, etc.)

6. Depth of well: **183** ft.; year in which well was finished **1957**
Does well enter rock? **No**; if so, at what depth? ft., kind of rock

7. Diameter: At top **12** inches; at bottom **12** inches.

8. Principal water bed: (Gravel, sand, clay, or rock. If rock, state kind.)
Depth to principal water bed **112** ft.; thickness of bed **14** ft. **Sand**
If other water supplies were found, give depth to each **142**

9. Casings: Kind **Welded Joints**; size **8 5/8"**; length **2** ft.; between depths of and 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? ; kind of screen
length of screen ft.; diameter inches; size of openings

10. Head: Does well at present overflow without pumping? **No**; did it overflow when new? **No**;
if flowing, give pressure lb. per sq. inch; or height water will rise in a pipe ft. above surface;
original pressure or head ; if not flowing, give water level in well ft. below surface.

11. Pump: Is the well pumped? ; kind of pump
size or capacity of pump ; kind of power

12. Yield: Natural flow at present (if any) gallons per minute; original flow gallons per minute;
well has been pumped at **100** gallons per minute continuously for **26** hours;
quantity of water ordinarily obtained from well gallons per day.

13. Use: For what purpose is the water used?

14. Quality of the water: **soft** (Hard or soft, fresh or salty, etc.); is there an analysis? **yes**

15. Cost of well, not including pump: Temperature of water ° F.
Name of person filling blank *T. R. Hodges*
Date **Sept. 25, 1957** Address **Prescott, Arizona, General Delivery**

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

LOG OF WELL

[illegible]

September 28, 1957

CHEMICAL ANALYSIS OF WATER FROM
TEMPLE BAR WELL

<u>PPM</u>	<u>Chemical</u>
126	Total hardness
102	Carbonate Hardness
24	Noncarbonate Hardness
31	Calcium
11	Magnesium
68	Chlorides
154	Sulphates
7.9	pH
1000	Total dissolved solids
2.7	Free CO ₂

Tests by Leo Courtney

Temp. Water - 79° F.

FORM 9-1367 (9-1960)
U. S. DEPT. OF INTERIOR
GEOLOGICAL SURVEY

ANALYTICAL STATEMENT - GW COU Mohave (Ariz) 75' 83'
NPS LAB NO. 54,6 (13)

Location <u>55 miles East of</u>		Date of collection <u>Recd. July 20, 1964</u>		
<u>Boulder City, Nev.</u>		Ignition Loss _____ Color <u>2</u>		
<u>SW 1/4 sec. 33 T31N R19W</u>		Dissolved Solids:		
Source (type of well) <u>Ground water</u>		Residue at 180°C <u>1,000</u>	SiO ₂ _____	21
Owner <u>NPS - Box 127</u>		Calculated (Sum) <u>966</u>	Fe (total) _____	0.03
<u>Boulder City, Nev.</u>		Tons per Acre Foot <u>1.31</u>	Ca _____	4.49 90
Date dild <u>9/25/57</u>	Cased to _____ ft	Hardness as CaCO ₃ <u>350</u>	Mg _____	2.51 31
Depth <u>183'</u>	Diam _____	Non-carbonate Hardness <u>242</u>	Na _____	7.66 176
WVF <u>Sand & gravel</u>		T. Na <u>52</u> SAR <u>4.1</u> pH <u>7.6</u>	K _____	0.13 4.9
Water level <u>116</u> ft below		Specific Conductance _____		14.79
Sampled after pumping <u>YRS</u> hrs.		(micromhos at 25°C) <u>1,430</u>	Na + K _____	
Yield <u>100</u> GPM (meas of ~~XXX~~ pump)		Producing intervals	HCO ₃ _____	2.15 131
Pt of well <u>Temple Bar well.</u>		from <u>116-183</u>	CO ₃ _____	0.00 0
Appearance <u>Clear</u>			SO ₄ _____	9.33 448
Temp (°F) <u>75</u> Sec <u>Dom., Ps, Irr.</u>			Cl _____	2.91 103
Collector _____			F _____	0.05 1.0
Chamber <u>KO</u>			NO ₃ _____	0.44 27
Date completed <u>Aug. 3, 1964</u>				14.88 B 0.35
Checked by <u>JON</u>				
Date transmitted _____				

Provisional records, subject to revisions

FORM 9-1642B
(DEC. 68)Well No. (B-31-19)33 acc 1

WELL SCHEDULE (unsurveyed)

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by R.L. Laney Source of data Visit & Driller's log Date Feb 18-72 Map Virgin Basin, Nev.-Az.

State Ariz County 04 Mohave Sequential number 08

Latitude: 36° 02' 02" N Longitude: 111° 41' 19" 29

Lat-long accuracy: 1" 31' 19" 33 Sec 33 SW k. NE k. Gila & Salt R.

Local well number: B-31-19-33 Acc 1 Other number: _____

Local use: C.H.I. Owner or name: National Park Service

Owner or name: _____ Address: Boulder City, Nev.

Ownership: County, (C) (F) (M) (N) (P) (S) (W) _____ F

Use of well: (A) (B) (C) (D) (E) (F) (H) (I) (M) (N) (P) (R) _____

Use of well: (S) (T) (U) (V) (W) (X) (Y) (Z) _____ P

Use of well: (A) (D) (G) (H) (I) (P) (R) (T) (U) (V) (W) (X) (Y) (Z) _____ W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: _____ Field aquifer char. _____

Hyd. lab. data: _____

Qual. water data: type: Chem analysis

Freq. sampling: _____ Pumpage inventory: yes _____ no _____ period: _____

Aperture cards: _____

Log date: Driller's

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 183 ft Meas. Driller 3

Depth cased: _____ ft Casing type: steel Diam. 12 in 12

Finish: (C) (F) (H) (I) (P) (S) (T) (W) (X) (Y) (Z) _____ P

Method: (A) (B) (C) (D) (H) (J) (P) (R) (T) (V) (W) (X) (Y) (Z) _____ C

Drilled: 9-25-57 957 Pump intake setting: _____ ft _____

Driller: T.R. Hodges Gen. Deliv. Prescott, Ariz

Lift: (A) (B) (C) (J) (L) (M) (N) (P) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) _____ S D

Power: (type): diesel, nat, gas, gasoline, hand, gas, wind; H.P. _____ 5 Trans. or meter no. _____

Descrip. MP _____ ft above LSD, Alt. MP _____

Alt. LSD: 1270 1270 Accuracy: Topo map 2

Water Level: 112 ft above MP; Ft. below LSD 112 Accuracy: Driller's log D

Date: Sept-57 957 Yield: 100 gpm 100 Method determined 5

Drawdown: _____ ft Accuracy: _____ Pumping period 26 hrs 2.6

QUALITY OF WATER DATA: Iron 030 Sulfate 448 Chloride 103 Hard. 350

Sp. Conduct. 1,430 X 10⁶ 5 Temp. 75 75 Date sampled Aug, 1964 864

Taste, color, etc. (see remarks for entire analysis)

Well No.

(B-31-19)33 acc 1
(unsurveyed)

(8-31-19) 33 acc 1
(unsurveyed)

Latitude-longitude 36 02 02 N 114 19 29 W

HYDROGEOLOGIC CARD

Province: Basin & Range Section: Max Highland

Drainage Basin: 2 Subbasin: 2

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) offshore, pediment, hillside, terrace, undulating valley flat, (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) V

MAJOR Aquifer: Quaternary - Tertiary Pliocene Pleistocene A. Q. Alluvium 0. A

Lithology: Gravelly siltstone 9. W Origin: Fluvial 2 Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

MINOR Aquifer: system series 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Lithology: system series 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Intervals Screened:

Depth to consolidated rock: ft 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Depth to basement: ft 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Surficial material: 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Coefficient Trans: gpd/ft 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Coefficient Perm: gpd/ft 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Spec cap: gpm/ft 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

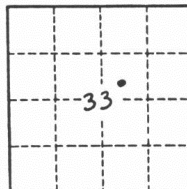
Number of geologic cards: 79

Well has a continuous problem of sand pumpage.

One of 3 wells used by the Nat. Park Service to supply water for the facility at Temple Bar.

chem analysis of Aug 1969
(from a memo by C. Bently for H.M. Babcock's signature, dated Dec 23, 1966)

T = 75° F	Bicarbonate	131 mg/l
Appear - clear	Carbonate	0 "
Sp. Cond 1,430 micromhos	Sulfate	448 "
Silica 21 mg/l	Chloride	103 "
Iron 0.30 "	Fluoride	1.0 "
Calcium 90 "	Nitrate	27 "
Magnesium 31 "	Tot. Solids	1,000 "
Sodium 176 "	Hardness as CaCO ₃	350
Potassium 4.9 "	Non-Carb. hardness	242 "
	pH	7.6
	% sodium	52



Well No.

(8-31-19) 33 acc 1
(unsurveyed)

86PO 869-201

(3-31-19) 33 acc₁

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
1 1/4" Dry Gravel	0	40	40	
Coarse Dry Gravel	40	85	45	
Decomposed Sand Rock	85	105	20	
Brown Sandy Clay	105	112	7	
Water, Sand and Gravel	112	126	14	
Brown Sandy Clay	126	142	16	
Water Sand	142	148	6	
Brown Sticky Clay	148	170	22	
Dry Sand	170	180	10	
Brown Sticky Clay	180	183	3	
Total Depth - 183				

B-31-19)33 acc,
(unsurveyed)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

1. Location: State **Arizona** County **Mohave**
 Nearest P. O. **Kingman** Direction from P. O. **Northwest**
 Distance from P. O. **75** miles; $\frac{1}{4}$ sec. **T.** T. **R.**
 If in city, give street and number **Temple Bar Landing**

well w/ pump
house

Locate well on plat of section.

2. Owner: _____ Address _____
 Driller: **T. R. Hodges** Address **Prescott, Arizona - General Delivery**

3. Situation: Is well on upland, in valley, or on hillside? **Side of Dry Wash**

4. Elevation of top of well: _____ ft. (Above or below) the level of _____

5. Type of well: **Drilled** (Above or below) _____ kind of drilling rig used **Mayhew Rotary**

6. Depth of well: **183** ft.; year in which well was finished **1957** (Solid tool, jetting, rotary, etc.)
 Does well enter rock? **No**; if so, at what depth? _____ ft.; kind of rock _____

7. Diameter: At top **12** inches; at bottom **12** inches.

8. Principal water bed: _____ (Gravel, sand, clay, or rock. If 14, state kind) **Sand**
 Depth to principal water bed **112** ft.; thickness of bed **142** ft.
 If other water supplies were found, give depth to each _____

9. Casings: Kind **Galvanized**; size **8 5/8"**; length **2** ft.; between depths of _____ and _____ 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? _____; kind of screen _____
 length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? **No**; did it overflow when new? **No**
 if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
 original pressure or head _____; if not flowing, give water level in well _____ ft. below surface.

11. Pump: Is the well pumped? _____; kind of pump _____
 size or capacity of pump _____; kind of power _____

2. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
 well has been pumped at **100** gallons per minute continuously for _____ hours;
 quantity of water ordinarily obtained from well _____ gallons per day.

3. Use: For what purpose is the water used? **soft** **yes**

i. Quality of the water: _____; is there an analysis? _____
 (Hard or soft, fresh or salty, etc.)

j. Cost of well, not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank **J. R. Hodges**
 Address **Prescott, Arizona, General Delivery**
 Date **Sept. 25, 1957**

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

Other Supporting Information



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 36063
SAN FRANCISCO, CALIFORNIA 94102

L54 (RNW)

April 20, 1982

Memorandum

To: All Superintendents, Arizona Areas, Western Region

From: ~~ACTING~~ Regional Director, Western Region

Subject: Arizona Groundwater Management Act, required filings

In compliance with the Arizona Groundwater Management Act of 1980, we are required to register all existing wells within the State on or before June 12, 1982, see enclosure.

The Field Solicitor's Office has advised us that registration of existing wells on National Park Service lands should be made either as a matter of comity, in the case of Federal reserved water rights, or as a matter of compliance with Arizona State law, in the case of Federal non-reserved water rights.

The Division of Water Resources has begun to compile the necessary information for the filings, and in the process may be contacting your offices for further information. They will submit this material to the State.

Information which you feel the Division of Water Resources may not have, concerning recently changed well conditions, pump capacities, etc., should be relayed as soon as possible to the Division of Water Resources at 556-8660.

If you have any questions concerning the well registration requirements, please do not hesitate to contact Mr. Witucki and his staff.

W. Bruce White

Enclosure

cc:

General Superintendent, SOAR

L54

(WR)RNW

September 21, 1981

Witucki
Mills
Kilgore
9/21/81
PK 9/21

Davis
Reg. Dir.
9/22

Memorandum

To: Field Solicitor, San Francisco
ACTING
From: Regional Director, Western Region
Subject: Arizona Groundwater Management Act: Registration of Inactive Wells;
Filing for "Grandfathered Rights"

The Division of Water Resources has received inquiries from the affected National Park Service areas concerning certain provisions of the Arizona Groundwater Management Act of 1980, and we are still awaiting a response from your Office regarding our June 11, 1981 memorandum to you. As required by the Act, all wells in the State must be registered with the Arizona Department of Water Resources by June 12, 1982. However, it is not clear whether it is appropriate to register the inactive wells located in the parks within the State of Arizona. Since registration of these inactive wells may have a bearing on the Service's right to drill new or replacement wells in the future, we have tentatively planned to register all wells located within the affected parks. With these concerns in mind, we would appreciate a legal determination and your recommendations as to the registration of inactive wells pursuant to the Arizona Groundwater Management Act.

Through field investigations conducted by the Division of Water Resources staff, telephone conversations with the field areas, and communication with your staff, we determined that it was not necessary to file for "Grandfathered Rights" for any of the wells located in the parks within the designated Active Management Areas since none of the wells in question has a pumping capacity greater than 35 gallons per minute. Under the provisions of the Act, such wells were exempt from filing for "Grandfathered Rights."

Your assistance and cooperation in this matter is appreciated.

(SGD) JOHN H. DAVIS

cc:
General Supt., SOAR
Supts., Saguaro, Tumacacori, & Casa Grande

(WR)RNW:Reed:Werrell:Witucki;ms 9/21/81

VR copy
gm

MAY 18 1966

A2623-BLN

Memorandum

To: Assistant to the Secretary, Orren Beaty, Jr.

From: Acting Director

Subject: Request for permission to construct pipeline and to connect to National Park Service water supply by cabin owners at Temple Bar, Lake Mead, *in Nevada*

To the best of our knowledge, we do not have a written request from cabin owners at Temple Bar, Lake Mead National Recreation Area, to build a pipeline and connect to the National Park Service water supply.

The standard lease granted to cabin owners states specifically that the Government does not agree nor is it obligated to furnish roads, utilities, water, or any facilities whatever. It further states that the lessee may arrange to obtain any water needs to carry out the purpose of the lease in compliance with all applicable laws and with the approval of the Superintendent. The policy of the National Park Service has been to deny any requests for such utility services and to encourage community cooperative action. At Katherine, the lessees, with the encouragement and approval of the Park Service, have established their own water system, which is functioning very well.

Acceptance of a Temple Bar pipeline by the National Park Service would obligate the Service to supply water to the lessees, to maintain the pipeline, and to set and collect proper water charges.

Visitation to the Temple Bar area has increased considerably and will continue to increase. For instance, April 1966 visitation was 39,350, three times as great as in April 1965. The concessioner has expanded his facilities and will expand them further. As a result, the present water supply, which was increased last year by drilling a second well, is inadequate during the summer months. The present use of water by the lessees, which was extended to them as a courtesy about six or seven years ago when the area was first developed, is estimated to be about 30 thousand gallons per month but if the homes were to be connected directly to the Park Service system, this use

could be expected to rise to one or two million gallons per month. In view of the public need for water in the area, which is increasing at a rate of about four million gallons annually, we cannot meet this substantial private demand.

The National Park Service believes the Temple Bar lessees should provide, operate, and maintain their own water supply in accordance with the conditions of their leases. The Service is willing to cooperate with the lessees, insofar as possible, to assist in this matter.

A. CLARK STRATTON

cc:
FW
Superintendent, Lake Mead
SLW

Mr. Reed - SLWW

EWReed:JEP:ljc 5-16-66

Regional Director, Western
Chief, Office of Land and Water Rights, SSC

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-107

UNITED STATES GOVERNMENT

Memorandum

TO : Director *72623*
DC National Park Service

RECEIVED
MAY 5 7 48 AM '66
DATE: April 29, 1966

FROM : Orren Beaty, Assistant to the Secretary

SUBJECT:

I need to be brought up-to-date on:

- Presley*
Price
1. The bridge and access road to Tuzigoot National Monument, and
 2. The Glen Canyon tramway and marine concession -- are we ready to award the contract yet?
 3. And a new one -- a number of cabin owners at Temple Bar in the Lake Mead Recreation area want to build and give to NPS a two-inch water line to serve their cottages. As Chuck Richey probably knows, all these people now have their own individual tanks and water has to be hauled from the NPS tank 500 or 600 feet away. As I understand it, they attempted to get permission to build this line earlier and were turned down, and are now willing to pay the full expense and be billed for the water they use if an agreement can be worked out.

OB

Orren Beaty



Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

Wass

Form 10-114
(Rev. Oct. 1961)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Reed
Cons.

Re Mead
Corresp.

PERMIT NO. 3:502:098 EXPIRES 10/31/66

PREVIOUS PERMIT NO. None

SPECIAL USE PERMIT

Lake Mead National Recreation Area
(Area)

Peter Kievit Sons' Company, of 1000 Kievit Plaza, Omaha, Nebraska is hereby authorized during the period from November 1, 19 65 to October 31, 19 66, to use the following-described land in the above-named area: strip not to exceed twenty (20) feet in width and approximately four (4) miles long as delineated on attached Exhibit "A".

for the purpose of installing a six (6) inch water line for use in connecting Arizona Highway Department Project No. MO 39 - 1 (7) and FLH-2(3)

subject to the conditions on the reverse hereof and attached pages and to the payment to the Government of the United States of the sum of twenty Dollars (\$ 20.00), in advance annually (Monthly, semiannually, etc.), or as follows:

payment to be made to the Superintendent by Express or Postal Money Order, Certified Check, or Draft payable to the National Park Service, or Cash

Issued at Boulder City, Nevada this 2nd day of November, 19 65

Signed: Ralph R. Ramsey
Acting Superintendent

The undersigned hereby accepts this permit subject to the terms, conditions, obligations, and reservations, expressed or implied, therein.

TWO WITNESSES TO SIGNATURES		PERMITTEE (SIGNATURE)	
NAME	Signed: <u>Ott McDaniel</u>	NAME	<u>PETER KIEVIT SONS' COMPANY</u>
ADDRESS	<u>Box 612</u> <u>Boulder City, Nevada</u>	ADDRESS	<u>BY: Signed: James L. Knight</u>
NAME	<u>Barrel L. Templeton</u>	NAME	<u>James L. Knight</u>
ADDRESS	<u>700 Elm Street</u> <u>Boulder City, Nevada</u>	ADDRESS	<u>Project Superintendent</u>

APPROVED: (if approval is required by higher authority)

NAME	TITLE	DATE

*Sign name or names as written in body of permit; for copartnership, permittees should sign as "members of firm"; for corporation, the officer authorized to execute contracts, etc., should sign, with title; the sufficiency of such signature being attested by the Secretary, with corporate seal, in lieu of witnesses.

(This copy for the Branch of Lands, Washington)

154-CBL

October 22, 1958

Memorandum

To: Regional Director, Region Three
 From: Chief, Water Resources Section
 Subject: Water Rights, Dockets 9, 10 and 11, Lake Mead

With copies of this memorandum we are distributing folders for the subject dockets as follows:

Docket No. 9 Boulder Beach

- PART I - Domestic Supply
 No contents
- PART II - Irrigation System
 1. Drawing 6979 - Irrigation Study
 2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum

Docket No. 10 Katherine Area

1. Drawing 6980 - Irrigation Study
2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum
3. Water System Completion Report of 1/24/58

Docket No. 11 Temple Bar Area

1. Drawing 6981 - Irrigation Study
2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum

Also attached are three extra prints of Drawing 6979, 6980, and 6981. The drawings have been prepared for interim record and study purposes. The extra prints are for you to refer to the office which can supply the corrections and extras needed for water right applications, of which a part will be either in narrative form, or preferably on the standard forms which should be obtained from the State Engineer of Nevada, and Water Division of Arizona Land Department.

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
OCT 22 1958 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	10/24/58
LAND ARCH.	
ACTION TAKEN - DATE	

As a result of my testimony in Arizona vs. California, we should expedite the filing of water claims. I am also interested in determining the extent to which the ultimate water demand for all areas in each state may agree with or exceed the estimates to which I testified. An unnumbered and undated work order under Account 14X1035 (0343), General Ledger Account 102.4 should be prepared and submitted for approval as soon as engineering personnel can be provided by one of the three offices to whom the dockets are sent.

The first problem is to get the areas located by sections, with ties to section corners, and complete the plans and descriptions of the existing and proposed one or more water systems. These descriptions should include pump units, pump lifts and gradients, and sizes and capacities of the pipelines and any ditches.

We also need the estimated ultimate water demands for domestic, irrigation, and other purposes, with justifications based on permanent and transient population, net irrigated areas and water demand per acres per year of irrigation, and demands for any other purposes which are not included under those two purposes.

The irrigated areas are given by units A, B, C, etc., and the net areas has been determined by deducting roads, buildings and such spaces from the gross outlined areas. I visited the Boulder Beach area just after testifying in May, and decided that I may have been unduly conservative in the irrigation estimates I gave for 1966 and 1975, because I did not realize how much the irrigated area had been developed since my last previous trip. However, the thriving trees also give a deceptive idea of possibly excessive irrigated areas because they hang over the paved areas. If possible, we should tabulate the annual amount of water which has actually been used on the areas which are now under irrigation, and divide the amounts by the portions of net areas which have already been irrigated, to obtain a unit value for the other areas which are not yet developed.

It may be well to have a preliminary exchange of ideas on this program before estimates are completed as work orders. I shall appreciate comments on any other features which come to your mind.

We do not have to consider the municipal supply at Boulder Beach except as the records can supplement the shorter records for the irrigation well.

SIGNED BY

A. van V. Dunn
Chief, Water Resources Section

Attachments 12

August 1958

LAKE MEAD - TEMPLE BAR - IRRIGATION STUDY					
Location	Gross Area	Net Irrigation Area	% of Gross Area to be Irrigated	@ 5 AF/A/an	@ 8 AF/A/an
A. NPS Resi- dential	5.58 acres	3.00 acres	54%	15.00	24.00
B. Visitor Center	1.78 acres	.41 acres	23%	2.05	3.28
C. Campground	10.56 acres	7.44 acres	70%	37.20	59.52
D. Trailer Camp & Cabin Area	11.16 acres	4.44 acres	40%	22.20	35.52
E. Concession Cafe, Store, Apartments	.85 acres	.60 acres	71%	3.00	4.80
F. Concession & NPS Utility	2.36 acres	1.66 acres	70%	8.30	13.28
G. Lodge Area	5.04 acres	3.39 acres	67%	16.95	27.12
H. Overnight Accomm.	6.78 acres	3.27 acres	48%	16.35	26.16
I. Vacation Homesites	<u>20.91 acres</u>	<u>10.45 acres</u>	<u>50%</u>	<u>52.25</u>	<u>83.60</u>
TOTAL	65.02 acres	34.66 acres	53%	173.30 AF	277.28 AF

154-CBL

W. R. Ledy

October 22, 1958

Memorandum

To: Regional Director, Region Three
From: Chief, Water Resources Section
Subject: Water Rights, Dockets 9, 10 and 11, Lake Mead

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2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum
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It may be well to have a preliminary exchange of ideas on this program before estimates are completed as work orders. I shall appreciate comments on any other features which come to your mind.

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(SIGNED)

A. van V. Dunn
Chief, Water Resources Section

Attachments 12

Copy to: Superintendent, Lake Mead, with 3 attachments
Chief, WODC, with 3 attachments

AvVDunn:lct

~~Mr.~~ Dunn

Region Three
Santa Fe, New Mexico

#s 1 & 2

u R Copy
L-54 [initials]

Memorandum

To: Director
From: Regional Chief of Lands
Subject: Location of Wells; Temple Bar Area, Lake Mead

On April 10, Acting Regional Director Bill transmitted copies of his memorandum to the Superintendent, Lake Mead (L-1417) inquiring if it would be possible for the survey crew working at Lake Mead to locate the wells drilled in the Temple Bar area.

We have attached copies of Acting Superintendent Super-
naugh's memorandum of April 17 advising that Mr. Harding is working
in the vicinity of the well and will tie the well to his survey
line so that it can be accurately located. The legal description,
when received, will be transmitted to your office. No additional
expense will be incurred in tying the well to control points on
the ground.

JOHN E. KELL
John E. Kell
Regional Chief of Lands

In duplicate

Attachment

Copy to: Supt., Lake Mead



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Boulder City, Nevada

IN REPLY REFER TO:

L-1417

April 17, 1957

Memorandum

To: Regional Director

From: Acting Superintendent

Subject: Location of wells; Temple Bar Area

As suggested in Acting Regional Director Bill's memorandum of April 10 we have contacted Cadastral Surveyor Donald E. Harding in regard to location of the well drilled in the Temple Bar area.

Mr. Harding is working in the vicinity of the well and stated he would be glad to tie the well to his line survey so that it can be accurately located.

We shall submit the legal description when it is given to us by Mr. Harding. There will be no expense incurred in the survey.

William R. Supernauth
Acting Superintendent

100-443887-100
 MAY 19 1964
 CHIEF, DIV. OF INVESTIGATION
 FBI
 FROM: SAC, NEW YORK
 SUBJECT: [illegible]
 RE: [illegible]

ACTION: [illegible]

FILE



UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
Region Three
Santa Fe, New Mexico

In reply refer to:

LS4 LAME-L

[Handwritten signature]
[Handwritten initials]

1952 SEP 15 PM 1:19

September 10, 1952

Memorandum

To: Director

From: Regional Chief, Land and Recreation Planning

Subject: Record of Well at Temple Bar, Lake Mead

When Mr. Kell was en route to Lake Mead on Sunday, August 17, he stopped at Kingman, Arizona, and attempted to locate Mr. M. J. Reddy of Kingman in order to determine whether he was licensed and if he kept any log of the well drilled at Temple Bar. Mr. Kell was unable to locate Mr. Reddy and later at Lake Mead Assistant Superintendent Yeager advised Mr. Kell that he believed Mr. Reddy may have subcontracted the drilling to some other individual, and the last reports of Mr. Reddy were to the effect that he is now located somewhere in California. Mr. Kell was, therefore, unable to determine whether Mr. Reddy had kept a log of the drilling.

We have attached a copy of Mr. Yeager's memorandum of September 8 giving the location of the well to be in Section 33, T. 31 N., R. 19 W., G.&S.R.M., probably in the NW $\frac{1}{4}$ of said Section, and you will note that the pump installed at the well was manufactured by the Berkeley Pump Company, Berkeley, California - jet type, serial No. 4816821, three-phase electric, 1 $\frac{1}{2}$ h.p. at 1750 r.p.m., 1000 gallons per hour capacity.

[Handwritten signature: Milton J. McColm]
Milton J. McColm
Regional Chief of Land
and Recreation Planning

Attachment

Copy to: Supt., Lake Mead

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

September 8, 1952

Memorandum

To: Regional Director, Region Three
From: The Superintendent
Lake Mead National Recreation Area
Subject: Record of Well at Temple Bar, Lake Mead.

At the time of Mr. Kell's visit to Lake Mead August 18-21 he was able to obtain some of the information requested in his memorandum of August 11. Supplemental information has been obtained as follows:

The location is believed to be in Section 33, T. 31 N., R. 19 W., G. & S. R. M., probably in the NW $\frac{1}{4}$ of said section if survey were extended to include the Temple Bar vicinity.

The pump installed at the well was manufactured by Berkeley Pump Company, Berkeley, California. Jet type, Serial No. 4816621, three-phase electric, $\frac{1}{2}$ h.p. at 1750 r.p.m., 1000 gal. per hour capacity.

[SIGNED]

W. Ward Yeager
Acting Superintendent





In reply refer to:
LSH LAME-L

July 28, 1952

Memorandum

To: Chief of Concessions Management
Through: Chief of Lands

From: Chief, Water Resources Branch

Subject: Pending Contract with Reddy and Coggins to Construct
and Operate Concession at Temple Bar Area, Lake Mead

The concessioners have recently drilled a well for the subject development, and will construct the necessary water system. The ground water is not now subject to appropriation in Arizona, but there is every reason to believe that an appropriative ground water law will be passed at the next session of the Legislature.

Any water system constructed by the concessioners will constitute the evidence of the appropriation of the water, and the removal of the water system would constitute evidence of abandonment. Accordingly, subsection 6 (a) (1) of the pending contract should be rewritten as follows if possible:

Any appropriative water rights required in connection with this contract shall be perfected by, and in the name of the United States; and the United States shall be given the opportunity to acquire any portion of the water system which is necessary for the preservation of such water rights on termination of the contract.

(SGD.) A. VAN V. DUNN

A. van V. Dunn
Chief, Water Resources Branch

AvanVDunn:gh

In reply refer to:
LSH LAMP-L

July 28, 1952

Memorandum

To: Regional Director, Region Three
From: Chief, Water Resources Branch
Subject: Record of Well at Temple Bar Area of Lake Mead National Recreation Area

The Record of Well, and other information transmitted with the memorandum of July 15 from Mr. McCole, does not include all the information we should have, but since the well is in Arizona, and the diversion is small, the supplemental data can be obtained as convenient, for historical purposes, when, or if, the State adopts an appropriative ground water code of the type introduced in the last session of the Legislature.

Projecting from the east and south, on maps of Boulder Canyon Project, the Temple Bar area seems to fall in unsurveyed Section 33, T. 31 N., R. 19 W., O.S.R.M. The section will be so indicated on the Record of Well, if you will confirm the location.

The United States is the landowner, and owner of the well, but under the pending contract with Reddy and Coggins, the water system, consisting of pump, pump house, pipe lines, and reservoirs, will be the property of the concessioners. As now drafted, the United States reserves the right to perfect water rights if an appropriative water code is adopted, but the concessioners have the right to remove the water system, other than well, which would constitute evidence of abandonment of any water right which may be established. The concessioners should be required to offer the United States an opportunity to purchase any part of the water system which is needed to preserve the water rights before the concessioners consider the alternative of removing the structures on termination of their contract. We have not yet determined whether it is too late to include such a provision in the contract, but you should be able to obtain the necessary cooperation by supplemental memorandum of agreement if necessary.

The log will be of immediate interest to the Geological Survey in its inventory of ground water records. The license number of the well driller would now have only historical value,

but might be needed if Arizona adopts an appropriative ground water code in the future. We should check with the driller, Mr. M. J. Reddy of Kingman, to see if he is licensed and whether he kept any log of the drilling.

For historical record, we should also obtain the name of the pump manufacturer, the rated capacity of the pump, and the size and type of motor. The information would be required in any water right application we might file if an appropriative water code is adopted, and it would doubtless be easier to obtain it from the dealer while the purchase by Mr. Barry is still a contemporary transaction. The information, if obtained, can be shown on the water system plan which is to be prepared, and no memorandum report is needed at this time if a copy of the plan is to be sent to this office in the near future.

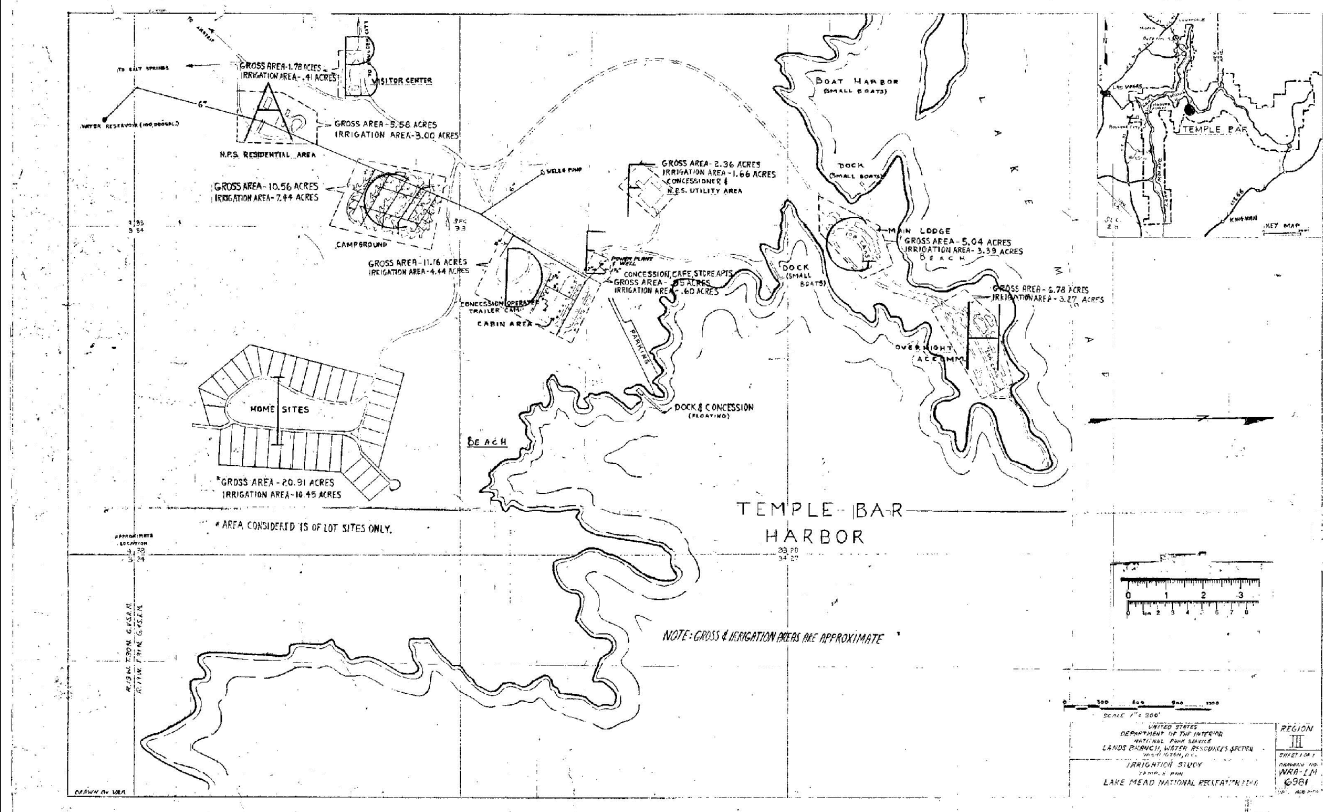
(SGD.) A. VAN V. DUNN.

A. van V. Dunn
Chief, Water Resources Branch

In duplicate

Copy to: Mr. D. E. Lee
Mr. Vint

AvanVDunn:sh



Docket Information

Number of Documents in Docket 34

Documents Dated from 7/28/1952 to 1/4/1982

Docket Compiled: 6/2/2016