



WATER-RIGHT DOCKET

Timpanogos Cave National Monument

Docket No: 1

SWINGING BRIDGE CANYON SPRING

Preliminary Docket Information

06-12-2003: Utah Division of Water Rights notice of water right number 55-7074 filed by Lehi Irrigation Company

WRPRINT

Page 1 of 2



Select Related Information

(WARNING: Water Rights makes NO claims as to the accurac
WRNUM: 55-7074 APPLICATION/CLAIM NO.: CERT. NO.:
CHANGES: a5201 Certificate all106

OWNERSHIP*****

NAME: Lehi Irrigation Company OWNER MISC:
ADDR: P.O. Box 316
CITY: Lehi STATE: UT ZIP: 84043 INTEREST: 100%
LAND OWNED BY APPLICANT?

DATES, ETC.*****

FILING: 03/08/1967|PRIORITY: 00/00/1852|ADV BEGAN: |ADV ENDED:
PROTEST END: |PROTESTED: [No] |APPR/REJ: []|APPR/REJ: 06/26/1
ELEC/PROOF:[]|ELEC/PROOF: |CERT/WUC: 05/04/1979|LAP, ETC: 12/28/1
RECON REQ: |TYPE: []
PD Book No. 2 Type of Right: DEC Status: PDPT Source of Info: PDET Map: *

LOCATION OF WATER RIGHT*****

FLOW: 3.5 acre-feet SOURCE: Swinging Bridge Canyon Sp
COUNTY: Utah COMMON DESCRIPTION:
POINT OF DIVERSION -- SURFACE:
(1) N 4839 ft E 2820 ft from SW cor, Sec 27, T 4S, R 2E, SLBM
Diverting Works: Source

USES OF WATER RIGHT*****

CLAIMS USED FOR PURPOSE DESCRIBED: 95,7074,7075,7076
Referenced To: Claims Groups: 1 Type of Referen
###IRRIGATION *-----NORTH WEST QUARTER-----*-----NORTH EAST QUARTER-
Tot Acrg.: 10.25 * NW | NE | SW | SE * NW | NE | SW |
Sec 27 T 4S R 2E SLBM * | | 2.0400| 4.2100* | | 1.1600|
Sec 28 T 4S R 2E SLBM * | | | * | | |
or a Total of 10.25 acres. Sole Supply: Diversion Limi

CLAIMS USED FOR PURPOSE DESCRIBED: 95,7074,7075,7076
Referenced To: Claims Groups: 2 Type of Referen
###DOMESTIC: 2000 Persons Diversion Limi
###OTHER Timpanogos Cave National Monument
Used for campgrounds, 3 residences, employees, restrooms, shops, and Visitor's Cente

<http://nrwt2.waterrights.utah.gov/cblapps/wrprint.exe?wrnum=55-7074>

6/12/2003



Form 23

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

EARL M. STAKER
DEPUTY

200 EMPIRE BUILDING
231 EAST 400 SOUTH
SALT LAKE CITY, UTAH 84111
(801) 533-6071

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN
ROBERT L. MORGAN

Lehi Irrigation Co.
Lehi, Utah 84043

CERTIFICATE ISSUED: May 4, 1979

APPLICATION NUMBER: a-5201 (55 area)

Enclosed is Certificate No. a-1106 issued by the
State Engineer as the final step in completing the appro-
priation relating to the above Application Number.

Under the law this Certificate must be recorded in the
office of the County Recorder in the County where the water
is diverted, within thirty (30) days from the receipt hereof.
You should attend to this matter at once.

Yours very truly,

ADDRESS ALL COMMUNICATIONS TO:

Dee. C. Hansen
STATE ENGINEER
231 East 400 South
Suite 200
Salt Lake City, Utah 84111

SW

CERTIFICATE OF PERMANENT CHANGE OF POINT OF
DIVERSION, PLACE, PURPOSE OR PERIOD OF USE
OF WATER

STATE OF UTAH

Change Application No. a-5201 (55 area) Certificate No. a-1106

1. Nature of change: Point of diversion ☒ Place of use ☒ Purpose of use ☐ Period of use ☐

2. Name of applicant Lehi Irrigation Co.

3. Address of applicant Lehi, Utah 84043

4. Source of supply Swinging Bridge Can. Spr. Drainage area Utah Lake/Jordan River

5. Priority of original right Prior to 1853 Priority of change March 8, 1967

6. Right or rights upon which change was based See McCarty Decree #666 McCarty Decree Case #666

7. Quantity of water changed 3.5 c.f.s. 3.5 Acre-ft.

8. Nature and annual period of use: (both dates inclusive)

☒ Irrigation	from <u>April 1</u>	to <u>Oct. 31</u>
☐ Stockwatering	from _____	to _____
☐ Domestic	from _____	to _____
☐ Municipal	from _____	to _____

9. Point of diversion N. 70°07'50" E. 14,228.78 ft. from the NW cor. Sec. 32,
T4S, R2E, SLBM.

Utah County, Utah

10. Description of diverting works Perforated steel pipe as springs, concrete inlet boxes, concrete
weir boxes, steel & cast iron pipelines.

11. Place and/or extent of use _____

IRRIGATION: 1.16 acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$, 4.21 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$, 2.04 acres in
SW $\frac{1}{4}$ NW $\frac{1}{4}$, and 2.67 acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27, T4S, R2E, SLBM., and 0.17
acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28, T4S, R2E, SLBM., or a total acreage of
10.25 acres.

Change a-5201 is limited to a total consumptive use of 3.5 acre-feet.

12. Other rights appurtenant a-3523 (55-95), a-5205 (55 area), a-5203 (55 area)

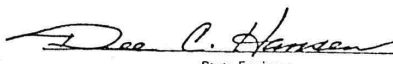
This certificate entitles the holder to use only sufficient water from all rights combined to constitute an economic duty without waste.

The right evidenced by this certificate is restricted to the change described herein, and the certificate in no way establishes nor validates the water right claimed by the applicant, and the change is to in no way enlarge the original right or rights.

The works employed in this change are to be operated and maintained in such manner and condition as will prevent waste of water.

Witness Whereof, I have hereunto set my hand and affixed the seal of my office this 4th day of May, 1979.

In the event the right evidenced by this certificate is transferred, a copy of such transfer should be furnished the State Engineer by the party acquiring the right


State Engineer
Dee C. Hansen

Form 58

**PROOF OF PERMANENT CHANGE OF POINT OF DIVERSION,
PLACE, PURPOSE, AND PERIOD OF USE OF WATER**

STATE OF UTAH

Change Application No. a-5201

1. Nature of Change: Point of Diversion ☒ Place of Use ☒ Nature of Use ☐ Period of Use ☐
2. Name of Applicant Lehi Irrigation Company
3. Address of Applicant Lehi, Utah 84043
4. Source of Supply Swinging Bridge Canyon Spring Drainage Area American Fork River
5. Right or rights upon which change is based McCarty Decree of February 26, 1901
6. Quantity of water changed _____ c.f.s. -----3.5----- acre feet
7. Nature and Period of Use:

Irrigation	from	<u>April 1,</u>	to	<u>October 31,</u>
Domestic	from	_____	to	_____
Stockwatering	from	_____	to	_____
Municipal	from	_____	to	_____
Other	from	_____	to	_____
8. The point of diversion from the source is in Utah County, situated at a point N70° 7' 50" E
14,228.78' from NW corner Sec. 32, T4S, R2E, SLB&M.
9. Present method of diversion Perforated steel pipe at springs, concrete inlet boxes, concrete
weir boxes, steel and cast iron pipelines.
10. If water is used for irrigation purposes, give legal subdivisions of land irrigated S¹/₄ NW¹/₄, N¹/₂ SW¹/₄, Sec. 27, T4S,
R2E, SLB&M, consisting of approximately 10.25 acres.
11. If water is used for stockwatering purposes, give the number and kind of stock watered N/A
12. If water is used for domestic purposes, give number of families served N/A
13. If water is used for municipal purposes (a) give name of municipality N/A
(b) If municipality serves areas outside of corporate limits, describe legal subdivision served and uses made of water
14. If water is used for other purposes, give a general description of such uses N/A
15. Give place of use by legal subdivisions for all uses described in paragraphs 11 to 14 inclusive N/A
16. The point where the water is returned to the natural channel, if returned, is situated Various overflow points
contiguous to existing intakes and storage tanks which follow natural drainage
into the American Fork River.
17. The water is used supplementally to the following rights Certif. a-393; Change Appli. Nos. a-5202, a-5203.
18. Water was measured by Ralph R. Murdoch Date _____ 19____
(Name of Hydrographer)
19. Water was measured ~~by vessel, weir, reservoir capacity, or by~~ _____ meter
(strike words not needed)

*(Give sufficient data under "General Remarks" to enable State Engineer to check the water measurements. It is necessary that the results of a series of such measurements be given.)

GENERAL REMARKS

(See Instructions on page 4)

The meter records all of the water diverted from the points of diversion, except for an overflow located immediately below the diversion works which in time of high flow diverts water into the stream channel which cannot be accommodated by the pipe intake. The diverted water flows continuously through the chlorination system (which requires a continuous flow to function) thru the meter into a 100,000 gallon storage tank. Water for domestic use within the Monument as well as that water used for irrigation purposes flows thru a common outlet from the storage tank with excess water overflowing into a natural drainage that drains into the American Fork River. Meter readings taken since

(General Remarks continued on page 3)

(Fill in blank spaces, but do not sign until proof has been submitted to the State Engineer and accepted as sufficient)

CERTIFICATE OF APPLICANT

STATE OF UTAH)
COUNTY OF Utah) ss

_____ being first duly sworn, certifies that he is the person, assignee or _____ of Lehi Irrigation Company who made an application to change point of diversion and place of use in Utah County; that said application is filed in the Division of Water Rights Office as No. a-5201 that he, as applicant, employed the U. S. National Park Service to compile information for the purpose of completion of proof of change and that he hereby accepts and submits that written proof together with maps consisting of 1 sheets, No. 800024WR incl., and that each and all items contained therein are true to the best of his knowledge and belief.

Applicant or his agent

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

My commission expires _____, 19_____
NOTARY PUBLIC

CERTIFICATE OF PROOF ENGINEER

STATE OF ~~Utah~~ Colorado)
COUNTY OF Larimer) ss

Ronald E. Cotten for
the United States of America being first duly sworn, certifies that he was employed to prepare proof of change under Application No. a-5201, that the accompanying tracings were prepared from under his direction field surveys made ~~between~~ between the 23d day of September, 19 75 and 25th day of September, 19 75; that these tracings numbered 1 to 1, and when combined with the written proof, fully describe the completed change and that each and all items contained herein are true to the best of his knowledge.

PROOF ENGINEER

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

My commission expires _____, 19_____
NOTARY PUBLIC

STATE ENGINEER'S ENDORSEMENT

Dates

_____ Application received in Division of Water Rights Office; Approved _____
_____ Proof of change due in Division of Water Rights Office.
_____ Written proof and maps received in Division of Water Rights Office by _____
_____ Written proof and maps returned for correction by _____
_____ Corrected written proof and maps resubmitted, received by _____
_____ Field checked by _____
_____ Corrected written proof and maps examined and Certificate written by _____
_____ Certificate of Change issued _____
_____ Maps, profiles, and drawings are filed _____

This written proof and the maps, profiles, and drawings pertaining thereto, are found to comply with the requirements of the Laws of Utah, and the same are hereby approved.

_____, 19_____
STATE ENGINEER

Change Application No. a-5201

Name of Applicant Lehi Irrigation Company

General Remarks (continued)

October 31, 1972, when the meter was installed indicate an average daily diversion of 75,791 gallons. The overflow from the storage tank is not metered, consequently it is not known what part of the diversion flows into the Monument water system. The Monument is entitled to 0.0622 cubic feet per second (40,198 gallons per day) under Application No. 10840 (55-95) as amended by Change Application a-3523 for domestic use. It is estimated that during the irrigation season (April 1, to October 31,) a total of 4,000,000 gallons is used for irrigation of 10.25 acres indicated on the accompanying plat.

GENERAL REMARKS

(See Instructions on page 4)

The meter records all of the water diverted from the points of diversion, except for an overflow located immediately below the diversion works which in time of high flow diverts water into the stream channel which cannot be accommodated by the pipe intake. The diverted water flows continuously through the chlorination system (which requires a continuous flow to function) thru the meter into a 100,000 gallon storage tank. Water for domestic use within the Monument as well as that water used for irrigation purposes flows thru a common outlet from the storage tank with excess water overflowing into a natural drainage that drains into the American Fork River. Meter readings taken since

(General Remarks continued on page 3)

(Fill in blank spaces, but do not sign until proof has been submitted to the State Engineer and accepted as sufficient)

CERTIFICATE OF APPLICANT

STATE OF UTAH)
COUNTY OF Utah) ss

_____ being first duly sworn, certifies that he is the person, assignee or _____ of Lehi Irrigation Company who made an application to change point of diversion and place of use in Utah County; that said application is filed in the Division of Water Rights Office as No. a-5201 that he, as applicant, employed the U. S. National Park Service to compile information for the purpose of completion of proof of change and that he hereby accepts and submits that written proof together with maps consisting of 1 sheets, No. 800024WR incl., and that each and all items contained therein are true to the best of his knowledge and belief.

Applicant or his agent

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

(Seal)

My commission expires _____, 19 _____

NOTARY PUBLIC

CERTIFICATE OF PROOF ENGINEER

STATE OF ~~Utah~~ Colorado)
COUNTY OF Larimer) ss

Ronald E. Cotten for
the United States of America being first duly sworn, certifies that he was employed to prepare proof of change under Application No. a-5201, that the accompanying tracings were prepared from field surveys made between the 23rd day of September, 19 75 and 25th day of September, 19 75; that these tracings numbered 1 to 1, and when combined with the written proof, fully describe the completed change and that each and all items contained herein are true to the best of his knowledge.

PROOF ENGINEER

Subscribed and sworn to before me this 17th day of October, 19 75

(Seal)

My commission expires October 16, 19 77

NOTARY PUBLIC

STATE ENGINEER'S ENDORSEMENT

Dates

_____ Application received in Division of Water Rights Office; Approved _____
_____ Proof of change due in Division of Water Rights Office.
_____ Written proof and maps received in Division of Water Rights Office by _____
_____ Written proof and maps returned for correction by _____
_____ Corrected written proof and maps resubmitted, received by _____
_____ Field checked by _____
_____ Corrected written proof and maps examined and Certificate written by _____
_____ Certificate of Change issued _____
_____ Maps, profiles, and drawings are filed _____

This written proof and the maps, profiles, and drawings pertaining thereto, are found to comply with the requirements of the Laws of Utah, and the same are hereby approved.

_____, 19 _____

STATE ENGINEER

L54 (RMR)PN
TIMP WR#1

October 20, 1975

RECEIVED
NATIONAL PARK SERVICE
WASHINGTON OFFICE

OCT 22 8 07 AM '75

Mr. Dee C. Hansen
State Engineer
442 State Capitol
Salt Lake City, Utah 84114

File in
TIMPANOGOS
CAVE WATER RIGHT
DOCKET - SEE
ME

Dear Mr. Hansen:

Enclosed is our request for Proof of Permanent Change of Point of Diversion for Change Application Nos. a-5201, a-5202 and a-5203.

We have made every effort to confirm the water use with the data available to us and trust it will be satisfactory. If you have any questions, please do not hesitate to contact us.

As soon as your verification is completed, we would appreciate your calling this office whereupon we will make arrangements to have the application executed by the three irrigation companies involved.

Sincerely yours,

/s/ WILLIAM MEKEEL

William L. Mekeel
Chief, Division of Water Rights

Enclosures

cc:
Supt., TIMP
WASO-MM, Mr. Berte'



FORM 19

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114
(801) 328-6071

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH
STANLEY GREEN

November 21, 1974

Lehi Irrigation Company
c/o Eldred W. Fox
Lehi, Utah 84043

Gentlemen:

RE: a-5201 (55-area)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above-numbered application has been considered and the time for receiving Proof of Appropriation is hereby extended from October 31, 1974 to October 31, 1975 inclusive.

Although this extension is granted in accordance with the provisions of the law, I earnestly recommend that you proceed to prepare and submit proof at the earliest possible date. One cannot foresee what the circumstances may be in the future and the possession of your established water right may be of great importance to you.

Yours truly,


Dee C. Hansen
State Engineer

sm'b

cc: U. S. Department of Interior, National Park Service

EXTENSION GRANTED

FORM 29

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(Before Fourteen Years)

APPLICATION NO. a-5201
STATE OF UTAH
COUNTY OF Utah

William L. Mekeel, being first duly sworn that he is the (agent of the) owner of the above-numbered application; that he knows of his own knowledge of the construction of works completed to date.

Describe briefly the type and extent of construction completed to date; cost of this construction, and the estimated cost of any remaining construction to be done for completion of project and to submit Proof of Appropriation. Give reasons why the work could not be completed and water put to beneficial use within time heretofore allowed.

The project of the National Park Service for which the change application was made is under way and water is being diverted and put to use at the Timpanogos Cave National Monument. Additional time is needed to make full use and development and obtain needed data for proof. Present planning provides for additional use of water and development of water systems at Timpanogos Cave.

Request is made for reinstatement and extension of time for filing proof

from October 31, 19 74, to October 31, 19 75

Affiant understands he will be notified of a hearing date, at which time he or his representative must attend, be able to defend data given; and affiant upon oath states that the information given above is to the best of his knowledge true and correct.

William L. Mekeel
APPLICANT

(If a corporation, give title of officer signing)

Subscribed and sworn to before me this 22nd day of October, 19 74

My Commission expires August 11, 1976

Mary E. Shearn
NOTARY PUBLIC

FOR OFFICE USE ONLY

PROOF DUE DATE _____ 14 YEAR PERIOD ENDS _____

HEARING _____

APPLICANT DID APPEAR _____ APPLICANT DID NOT APPEAR _____

APPLICANT REPRESENTED BY _____

REMARKS _____

RECOMMENDED DISPOSITION: _____

L54(RMR)PN
TICA/WR#1

October 22, 1974

CERTIFIED MAIL

Dee C. Hansen
State Engineer
442 State Capitol
Salt Lake City, Utah 84114

Dear Mr. Hansen:

Enclosed is our request for an extension of time for Application No.
a5201, a5202 and a5203.

Due to our recent regional reorganization we were unable to maintain
continuity of this project which necessitates our request for an
additional time extension of one year. We are reasonably certain that
at the end of this one year extension we can make proof of beneficial
use.

Sincerely yours,

/s/ WILLIAM MEKEEL

William L. Mekeel
Legal Assistant
Rocky Mountain Region

Enclosures (3)

cc:
WASO-MN w/enc *
Supt., TICA w/enc *
Asst. to the Dir., Utah

*Please file in Water Right Docket No. 1, TICA

*File in
appropriate
TIMPANOGAS Cave
WATER RIGHT Dockets.*

*not used
Burt*



FORM 11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114
(801) 328-6071

Rocky Mountain
Regional Office

DIRECTING ENGINEERS
HAROLD D. DONALDSON
DONALD C. NORSETH

STANLEY GREEN	
Director	
Deputy Director	
NPS Mgmt.	
Administration	
Professional Svcs	10/2
Coop. Activities	
Operations Eval.	
Public Affairs	
EEO	
Action Taken	

October 17, 1974

Richard W. Ketcham
National Park Service, MWR
1709 Jackson Street
Omaha, Nebraska 68102

Dear Mr. Ketcham: RE: Appl. No. a-5201 (55-area)

It is noted from our files that you have only fourteen more days in which to submit proof before the lapsing of your application.

This letter is sent to remind you to have your proof or request for extension of time filed in this office before the proof-due date of your application which is October 31, 1974.

Enclosed is a request for extension of time form in case you have misplaced the one previously sent to you.

Yours truly,

Dee C. Hansen
Dee C. Hansen
State Engineer

smb

Enc.: Request Form 29

cc: U. S. Department of Interior, National Park Service



STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN
STATE ENGINEER

JOHN BENE
DEPUTY

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

(801) 328-6071

CENTRAL OFFICE
EDWARD D. FELDT
AREA ENGINEER

September 24, 1974

U. S. Department of Interior
National Park Service
Rocky Mountain Regional Office
655 Parfet
P. O. Box 25287
Denver, Colorado 80225

ATTENTION: WILLIAM L. MEKEEL

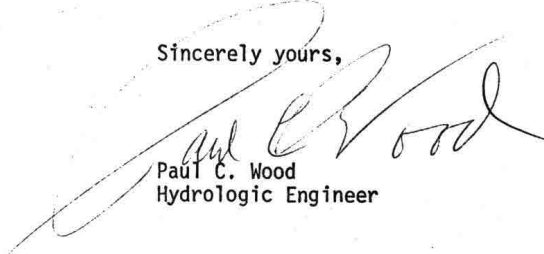
Dear Mr. Mekeel:

Enclosed you will find copies of the Proof-due notices on Change Applications a-5201, a-5202, and a-5203.

If you will be unable to submit Proof by the expiration date, you should complete one of the enclosed extension requests for each Change Application and mail them to the Division of Water Rights, 442 State Capitol Building, Salt Lake City, Utah 84114 by October 31, 1974.

We are endorsing our records so that a copy of all correspondence relating to these changes will be sent to you at your present address.

Sincerely yours,


Paul C. Wood
Hydrologic Engineer

PCW:smb

Enclosures

PS Form 44-3885 NO INSURANCE COVERAGE PROVIDED (See other

Form 19



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

Simpson
**DIVISION OF
WATER RIGHTS**

HUBERT C. LAMBERT
STATE ENGINEER

October 17, 1972

Richard W. Ketcham
National Park Service, MWR
1709 Jackson Street
Omaha, Nebraska 68102

Dear Sir: RE: APPLICATION NO. a-5201 (55 Area)

Request for extension of time in which to submit
Proof of Appropriation or Proof of Change contem-
plated by the above application has been considered
and the time for receiving Proof is hereby extended
from October 31, 1972 to October 31, 1974
inclusive.

Yours truly,

Hubert C. Lambert

Address communications to Hubert C. Lambert
State Engineer
442 State Capitol
Salt Lake City, Utah 84114

kw

EXTENSION GRANTED

P. S. Although this extension is granted in accordance
with the provisions of the law, I earnestly
recommend that you proceed to prepare and to
submit Proof at the earliest possible date.
One cannot foresee what contingencies might
arise in the future; the present possession
of your certificate might stand you in good
stead.



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
442 STATE CAPITOL
SALT LAKE CITY, UTAH 84111

DIVISION OF
WATER RIGHTS

HUBERT C. LAMBERT
IEER

November 4, 1969

United States Department of the Interior
National Park Service
Mr. Gerard S. Witucki
Supervisory Hydrologist
San Francisco Planning & Service Center
450 Golden Gate Avenue, Box 36025
San Francisco, California 94102

Re: Change Applications No. a-5201
a-5202 and a-5203

Dear Sir:

As requested in your letter of October 16, 1969 (LWSSC, L-54) proof for the above change applications has been withdrawn. You will receive a letter informing you of your next proof due date.

Yours truly,

Linda Walk
Mrs. Linda Walk
Proof Department

lw
cc: Lehi Irrigation Company
Lehi, Utah 84043

American Fork Irrigation Company
American Fork, Utah 84003

Pleasant Grove Irrigation Company
Pleasant Grove, Utah 84062

Rec'd w/ memo to Dir. from Mr. Witucki, WSC dated Dec 16, 1969.



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
San Francisco Planning & Service Center
450 Golden Gate Avenue, Box 36025
San Francisco, California 94102

IN REPLY REFER TO:

LMSSC
L-54

October 16, 1969

Utah State Engineer
Department of Natural Resources
422 State Capitol
Salt Lake City, Utah 84114

Gentlemen:

In reply to your letters of May 26, 1969, and June 26, 1969, and in accordance with a telephone conversation of October 15 between Assistant Regional Solicitor Thomas O. Parker and Mr. Bryce Montgomery of your office we now request that the proofs submitted with our letter of May 14, 1969, be withdrawn. Enclosed are requests for an extension of time for the three change applications, Nos. A-5201, A-5202, and A-5203.

Sincerely yours,

(SGD) GERARD S. WITUCKI
Gerard S. Witucki
Supervisory Hydrologist
Division of Water Resources, SSC

Enclosures (3)

cc: Lehi Irrigation Company
Lehi, Utah 84043

American Fork Irrigation Company
American Fork, Utah 84003

Pleasant Grove Irrigation Company
Pleasant Grove, Utah 84062

Rec'd w/memo to WADO from Witucki ADC dated 11/3/69.

FORM 29

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH
REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME
(Before Fourteen Years)

APPLICATION NO. A-5201
STATE OF UTAH
COUNTY OF UTAH

Eldred W. Fox, being first duly sworn says that he is the (agent of the) owner of the above-numbered application; that he knows of his own knowledge of the construction of works completed to date.

Describe briefly the type and extent of construction completed to date; cost of this construction, and the estimated cost of any remaining construction to be done for completion of project and to submit Proof of Appropriation. Give reasons why the work could not be completed and water put to beneficial use within time heretofore allowed.

The project of the National Park Service for which the change application was made is under way and water is being diverted and put to use at the Timpanogos Cave National Monument. Additional time is needed to make full use and development and obtain needed data for proof.

Request is made for reinstatement and extension of time for filing proof from October 31, 1969, to October 31, 1972.

Affiant understands he will be notified of a hearing date, at which time he or his representative must attend, be able to defend data given; and affiant upon oath states that the information given above is to the best of his knowledge true and correct.

LEHI IRRIGATION COMPANY

By [Signature]
APPLICANT President

(If a corporation, give title of officer signing)

Subscribed and sworn to before me this 16th day of October, 1969.

[Signature]
NOTARY PUBLIC

My Commission Expires Aug 19, 1972 Residing at Salt Lake City, Utah

FOR OFFICE USE ONLY

PROOF DUE DATE _____ 14 YEAR PERIOD ENDS _____

HEARING _____

APPLICANT DID APPEAR _____ APPLICANT DID NOT APPEAR _____

APPLICANT REPRESENTED BY _____

REMARKS: _____

RECOMMENDED DISPOSITION: _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

DIVISION OF
WATER RIGHTS

June 26, 1969

United States Department of the Interior
National Park Service
San Francisco Planning and Service Center
450 Golden Gate Avenue, Box 36025
San Francisco, California 94102

Re: Change Applications No. a-5201,
5202, and 5203; Letter L54 LWSSC
dated June 17, 1969

ATTENTION: Mr. John E. Ritchie, Chief
Office of Land and Water Rights

Gentlemen:

In accordance with the request in your above indicated letter our office is hereby granting additional time in which for you to complete the amendments and corrections on the Proofs of permanent change for Change Applications No. a-5201, a-5202 and a-5203. We have therefore set October 31, 1969 as the date by which we will anticipate the resubmission of the proofs to this office.

Yours sincerely,

Edward D. Feldt
Edward D. Feldt
Field Engineer

EDF/lw

cc: Lehi Irrigation Company
Lehi, Utah 84043

American Fork Irrigation Company
American Fork, Utah 84003

Pleasant Grove Irrigation Company
Pleasant Grove, Utah 84062

Rec'd w/ memo to M50 from: ddc dated July 17, 1969

JUN 19 9 26 AM '69

L54 LWSSC

TICA Docket No. 1/19

17 JUN 1969

OLW

AIRMAIL

Utah State Engineer
Department of Natural Resources
422 State Capitol
Salt Lake City, Utah 84114

Gentlemen:

Due to required commitments to complete this fiscal year program and the recent reduction in personnel, this office will be unable to perform the necessary field work and answer the questions raised by your letter of May 26, 1969, and resubmit the proofs for change in diversion for Applications Nos. 5201, 5202, and 5203, by June 30, 1969. We hereby request a four-month extension of time.

Sincerely yours,

John E. Ritchie
Chief, Office of Land
and Water Rights

cc:
→ Chief, Br. Wtr. Resources, WASO

TICA



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

442 STATE CAPITOL
SALT LAKE CITY, UTAH 84114

462-6-10-69.
T. m PANDOGOS
DIVISION OF
WATER RIGHTS

HUBERT C. LAMBERT
STATE ENGINEER

L54-OLW

May 26, 1969

United States Department of Interior
National Park Service
San Francisco Planning and Service Center
450 Golden Gate Avenue, Box 36025
San Francisco, California 94102

COPY TO	WASO	DATE	6/4/69
FOR YOUR	☒ INFORMATION	☐ ACTION	
OFFICE OF LAND & WATER RIGHTS, SSC			

Re: Change Applications #a-5201,
5202 & 5203; Letter L54 LWSSC
dated 14 May 1969

Attention: Mr. John E. Ritchie
Chief, Office of Land
and Water Rights

Gentlemen:

The proofs of permanent change on the above numbered change applications have been reviewed by our office and are returned herewith for certain necessary amendments and corrections. Also enclosed, for your convenience, are blank copies of the revised Proof of Permanent Change Form 58. This revised form explicitly indicates all of the information required by the Utah State Engineer on a proof of permanent change. Your attention is particularly called to the set of instructions which appear on the reverse side of the revised form.

In the discussion which follows all references to numbered paragraphs pertain to paragraphs on the revised Proof of Change Form 58.

It will be necessary to substantiate the quantity of water changed in acre-feet (paragraph 6) by giving water measurement data (paragraphs 18 and 19 and "General remarks"), which shows the total diversion from Swinging Bridge Canyon Spring during the irrigation season for irrigation purposes. Since the total annual diversion allowed under the three change applications is 12 acre-feet, in order to take maximum advantage of these change applications the water measurement should show a total annual diversion for irrigation of at least 12 acre-feet. If, however, the water measurement can only substantiate a quantity which is less than 12 acre-feet, then this smaller quantity must be allocated in some manner among the three proofs of change; i.e., the quantity of water changed (paragraph #6) on each proof may be in the same ratio as the quantities indicated on the change applications, viz., 3.5: 4.0: 4.5, or the maximum quantity allowed on two of the change applications may be indicated on the respective proofs with the balance indicated on the third proof, or the allocation may be made in any other way that is consistent with the change applications.

The water measurement may be readily effected if there is a volumetric meter installed in the National Park Service's pipeline from Swinging Bridge Canyon Spring by observing the meter reading at the beginning and end of the

Page 2

irrigation season. If a volumetric meter is not available, then the total irrigation diversion may be determined by observing the flow rate during irrigation, the length of an irrigation turn, and the total number of turns in the irrigation season. In making the water measurement account should be taken of the fact that the National Park Service has a right under Application No. 10840 (55-95) as amended by Change Application No. a-3523 to divert water at a rate of 0.0622 sec.-feet from Swinging Bridge Canyon Spring for domestic type use within the National Monument. It may not however, be feasible to accurately determine the total diversion during the irrigation season for domestic purposes only, unless the domestic uses are metered separately, and an estimate of this quantity will be sufficient in determining the amount of the total diversion from the spring that is used just for irrigation.

Although the change applications allowed an irrigation period of January 1 to December 31, the proofs should reflect the actual practice; hence the period to be indicated in Paragraph #7 should not exceed the normal irrigation period of April 1 to October 31.

Apparently through some misinterpretation the proposed point of diversion on the change applications, viz., N 79° 09' E 11,841.1 feet and N 37° 42' E 3,350.0 feet, from the NW corner Sec. 32 T4S R2E SLB&M, was construed to represent two different points of diversion, instead of one point described by two sets of coordinates. Since the intent of the change applications appear to be clear, this office does not consider it necessary to require readvertisement of the applications. It is the policy, however, to require that the tie to the point of diversion be given by one set of coordinates (please see "Legal Ties" in the set of instructions); therefore, it is recommended that the point of diversion tie be referenced to the North witness 1/4 corner of Section 27 T4S R2E SLB&M, and the point of diversion (Paragraph 8) be described (shown on map) as being S 89° 25' W 478.58 feet from said corner. Also, the boundary of the spring area, as shown on the map, should be described in paragraph #8.

It will be necessary to prepare and submit a map showing the exact location and configuration of the irrigated area. The map should be prepared to a suitable scale and in accordance with the set of instructions on the proof form. If it is feasible, the irrigated area may be delineated on the enclosed map which was submitted with the proofs. If the irrigated area is situated in more than one quarter-quarter section, then the quarter-quarter section lines should be shown on the map and the irrigated acreage in each quarter-quarter section indicated.

Paragraph 10 should be completed in agreement with the above mentioned map by indicating the irrigated acreage in each quarter-quarter section and the total irrigated acreage.

Please complete paragraph 17 on each proof by indicating the other two change applications. If there are any other supplemental rights which are used for irrigation, then these should also be indicated. Application No. 10840 would, of course, not be a supplemental irrigation right since it is only for domestic use.

In view of the number of amendments required and the fact that the proofs will have to be checked in the field by this office to verify the irrigated acreage, please do not have the Certificates of Applicant and Proof Engineer executed before resubmitting the proofs.

Page 3

If there are any questions concerning the amending of these proofs of permanent change, please do not hesitate to contact this office.

This office is allowing until June 30, 1969 for the proofs to be amended and resubmitted. If the proofs cannot be returned to us by this date, will you please contact our office and make arrangements for additional time.

Yours sincerely,

Edward D. Feldt
Edward D. Feldt
Field Engineer

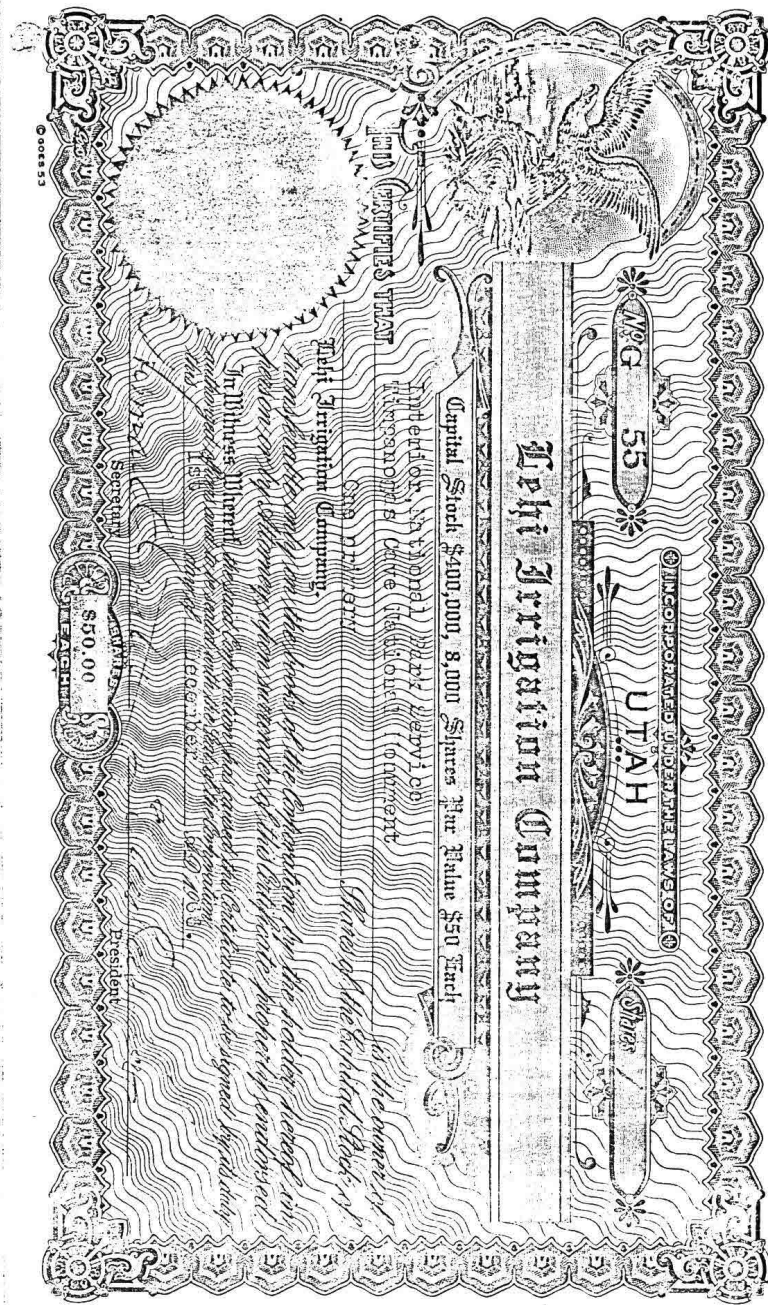
EDF/lw

Enclosures

cc: Lehi Irrigation Company
Lehi, Utah 84043

American Fork Irrigation Company
American Fork, Utah 84003

Pleasant Grove Irrigation Company
Pleasant Grove, Utah 84062



DA-182-70-01

MEMORANDUM OF AGREEMENT
BETWEEN THE FOREST SERVICE
AND THE NATIONAL PARK SERVICE

THIS MEMORANDUM OF AGREEMENT, made this 1 day of August, 1970, between the United States Department of Agriculture, hereinafter referred to as FOREST SERVICE, represented by the Forest Supervisor, Uinta National Forest, Provo, Utah, pursuant to the authority of the Act of March 3, 1891 (26 Stat. 1103), as amended and supplemented, and the NATIONAL PARK SERVICE, Department of the Interior, represented by the Superintendent, Timpanogos Cave National Monument, American Fork, Utah, acting pursuant to the authority of the Act of August 25, 1916 (39 Stat. 535), as amended and supplemented.

The Forest Service has two recreation sites in American Fork Canyon which require domestic water in order to improve public facilities.

The Park Service has domestic water at Timpanogos Cave National Monument adjacent to the Forest Service recreation sites and is willing to make such water available to Forest Service.

NOW, THEREFORE, in consideration of the premises and of the mutual and dependent covenants herein exchanged, it is agreed as follows:

1. The Park Service will:

- a. Permit Forest Service to extend the existing water lines at Timpanogos Cave from the boundary of the monument west to the Riverside Picnic Area and east to the Houserock Campground, all as more particularly shown on the attached Exhibit A, which is by this reference made a part hereof.

2

b. Determine the location of the line within the boundaries of the monument.

c. Supply not more than 1,000 gallons of water per day from its existing water right, and do all things necessary or required by the State Water Board in order to maintain the right to use water or change use so as to meet the commitments herein set forth.

2. The Forest Service will:

a. Provide all engineering and design work and assume all costs of installation and maintenance necessary to extend waterlines from the Timpanogas Cave Monument to the Riverside Picnic Area and Houserock Campground.

b. Provide a shutoff system at the lower end of the monument adjacent to the Riverside Picnic Site which can be used to maintain water pressure in case of any emergency needs at the monument, and install water metering valves for specified periods as requested by Park Service to check water use.

3. The parties hereto agree:

a. This agreement shall be effective when signed by the parties hereto and shall remain in force until terminated by either party upon sixty (60) days written notice. Amendments or modifications may be effected by an exchange of correspondence between the parties hereto.

b. The performance of any obligations or the expenditure of any funds under this agreement is contingent on the Congress making appropriation therefor.

3

c. No Member of, or Delegate to the Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise therefrom, but this restriction shall not be construed to extend to this agreement if made with a corporation or company for its general benefit.

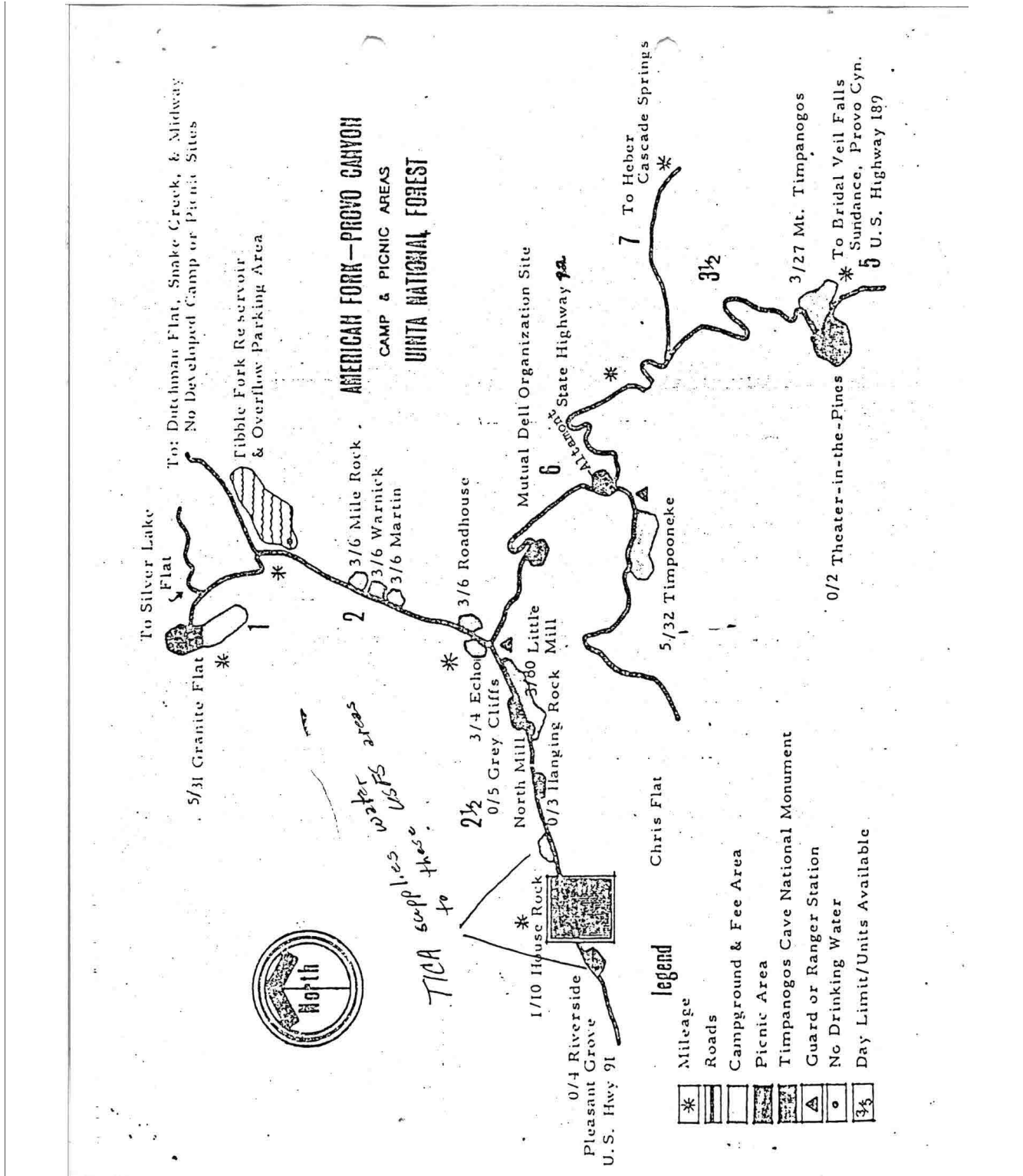
IN WITNESS WHEREOF the parties hereto have executed this agreement the day and year first above written.

NATIONAL PARK SERVICE

By Don H. Colclough
Superintendent

FOREST SERVICE

By Bill W. Chapman
Acting Forest Supervisor



Supporting Hydro Data

DI Timpanog Cave

ANALYSES BY GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR

(Results in parts per million except as indicated)

Salt Lake City Laboratory Number	25937					
Date of collection	3-7-63					
Silica (SiO ₂)	6.6					
Iron (Fe)	.09					
Manganese (Mn)	.00					
Calcium (Ca)	68					
Magnesium (Mg)	20					
Sodium (Na)	3.5					
Potassium (K)	.5					
Bicarbonate (HCO ₃)	262					
Carbonate (CO ₃)	0					
Sulfate (SO ₄)	29					
Chloride (Cl)	8.5					
Fluoride (F)	.1					
Nitrate (NO ₃)	.2					
Boron (B)	.03					
Dissolved solids						
Calculated	266					
Residue on evaporation at 180° C.	267					
Hardness as CaCO ₃	252					
Non carbonate hardness as CaCO ₃	37					
Alkalinity as CaCO ₃						
Percent Sodium	3					
Sodium-Adsorption Ratio	.1					
Specific Conductance μ mhos @25° C.	461					
pH	8.1					
Color (units)						
Carbon Dioxide (CO ₂), Calculated						

25937 - Spring (water supply), Timpanogos Cave National Monument, Utah County.
 Loc: storage tank. System built 1954. Coll. by: Thomas A. Walker.
 Owner: National Park Service.

GPO 831637

Other Supporting Information

May 2, 1952

MAY 2, 1952

Memorandum

To: Regional Director, Region Three

From: Acting Superintendent, Zion and Bryce Canyon

Subject: Reconstruction of Power Plants of Utah Power and Light Company, American Fork Creek, Timpanogos Cave.

The following information is furnished on the above subject in accordance with Mr. Lassiter's request of April 22 and Assistant Director Allon's memorandum of April 17. A brief review of the water system and rights may serve to clarify the problem as it presently affects our water rights at Timpanogos Cave National Monument.

A review of the water rights reveals that the Timpanogos Cave Committee at one time filed on a culinary water right in Cave Spring near the existing Superintendent's residence near the lower portion of the monument. American Fork City also had rights for culinary water from Cave Spring. Utah Power and Light Company had valid rights to the use of Cave Spring for power purposes. Apparently the Utah Power and Light Company's rights were primary although according to Utah Law rights to water for culinary purposes takes precedence over rights for power use. However, it was thought that a solution to the problem was reached when American Fork City filed for power rights on the spring in Swinging Bridge Canyon and reached an agreement with the Power Company by which the water in Swinging Bridge Canyon was piped to and delivered into the 36 inch wood pipe line in Swinging Bridge Canyon. The Power Company in return allowed American Fork City to take an amount of water from Cave Spring for culinary use equal to the amount delivered to its upper pipe line for power use.

The National Park Service agreed to deed its rights to Cave Spring for rights amounting to approximately 1/16 sec. ft. of water for culinary use from Swinging Bridge Canyon. The Service has not previously been able to construct a pipe line from the springs in Swinging Bridge Canyon to the site of use of the water. It has been allowed to use the pipe line from the intake belonging to American Fork City. In actual practice the water flowed from the intake to the 36 inch wood pipe line and was thus added to the supply for power use purposes. The NPS then took its share of the water from the wood

MEMORANDUM FOR THE REGIONAL DIRECTOR
 FROM: CHESTER A. THOMAS, Acting Superintendent

pipe line and carried it to the place of benefit. The wood pipe line was broken recently by rock slides and the source of monument water has not been altered. The American Fork City pipe line carries the water to the wood pipe line where our share is in turn drawn off from the 36 inch line and the balance is presently being wasted. At present the low portion of the 36 inch line which lies in the depression of Swinging Bridge Canyon acts as a storage reservoir and settling basin for the monument water. If the 36 inch line is repaired or replaced and our proposal for construction of a water line direct from the springs materializes, it is uncertain as to what arrangements will have to be made for passing the water into the large line.

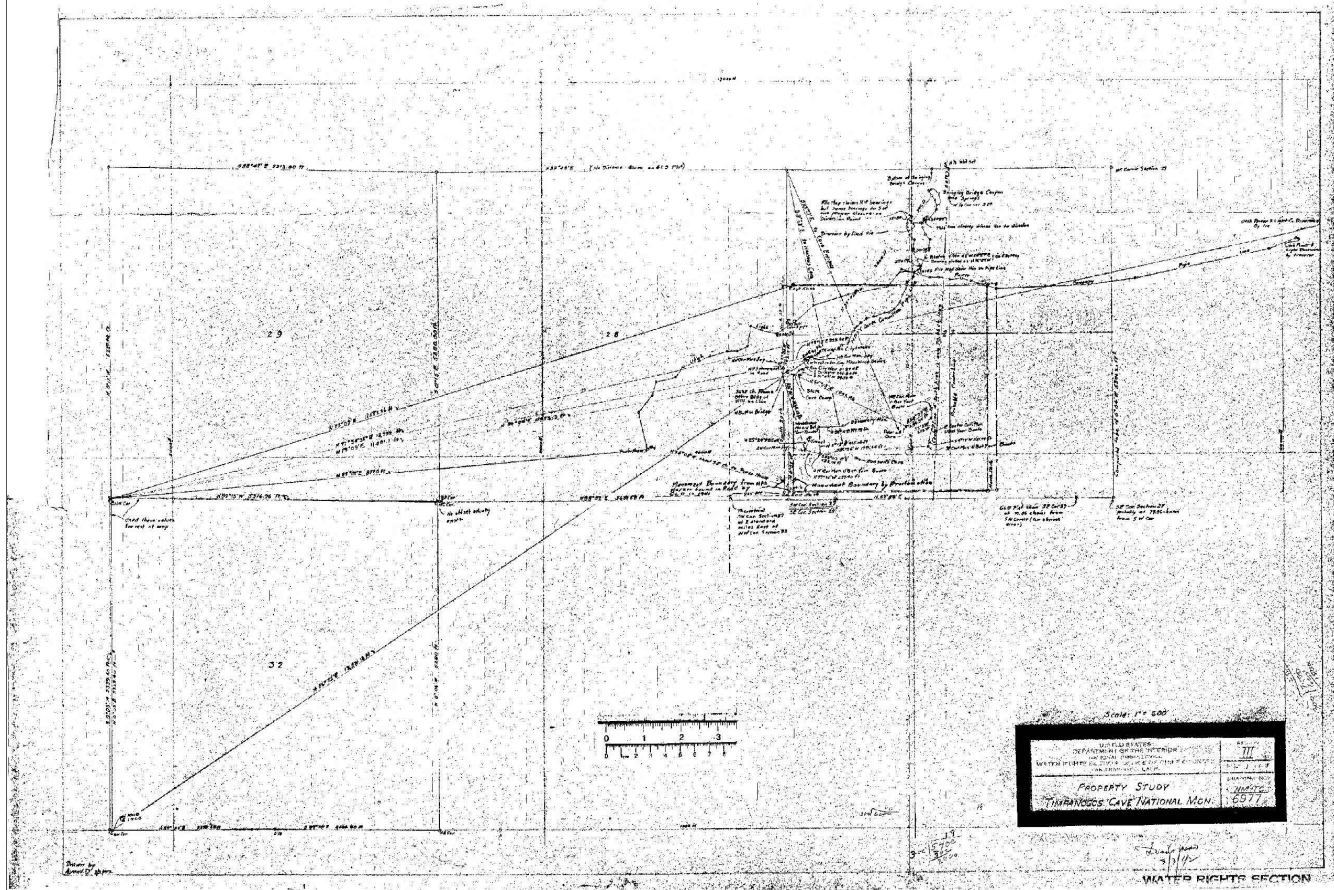
Our information is that the Power Company at this time intends to replace the old wooden line in its present location with a welded steel pipe line and obtain the additional power by the use of a more efficient turbine. If such is the case we would want assurances that our rights would be protected. It would seem that our position is quite good as ours is the only filing for culinary rights in Swinging Bridge Canyon Springs; that of American Fork City is for power only and under Utah Law, culinary rights are favored.

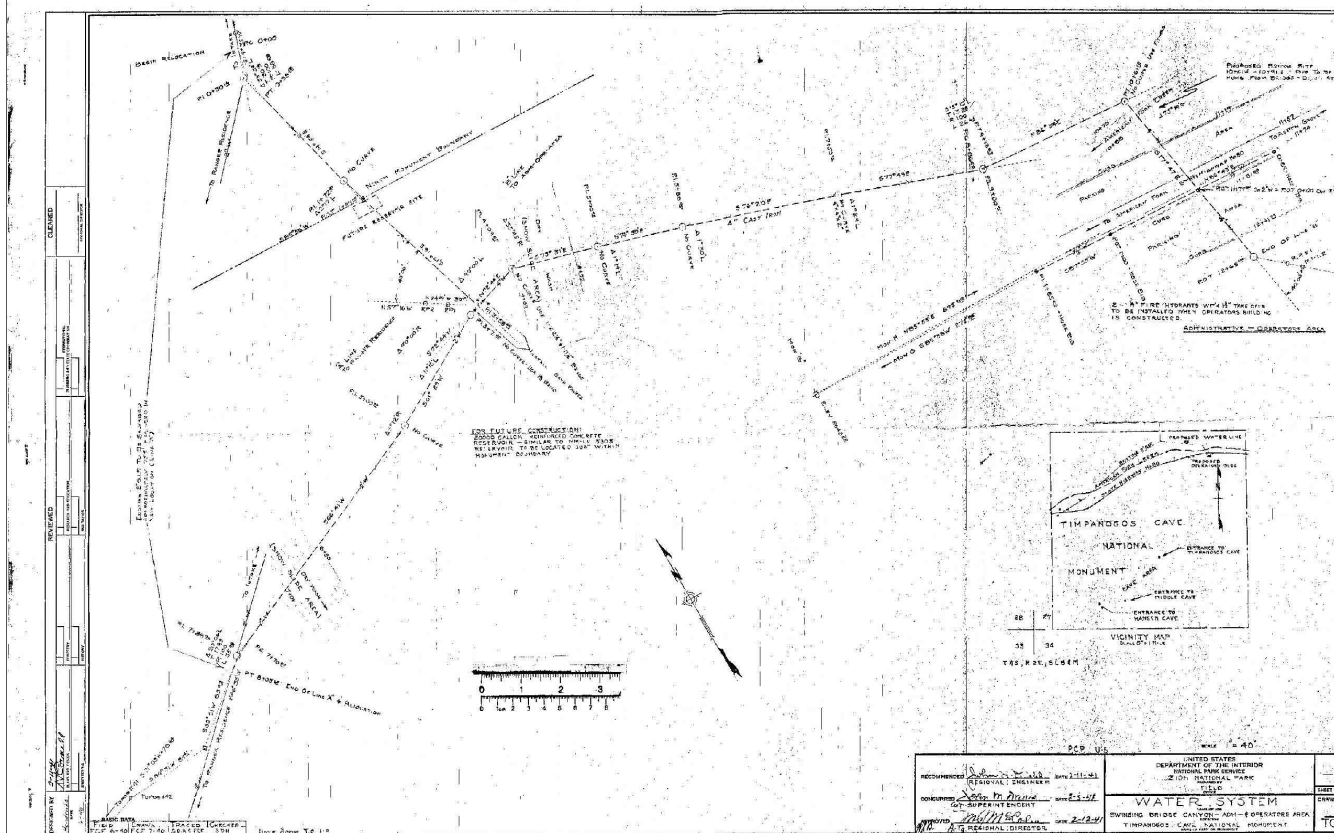
In general, it may be stated that the existing line is located on a very steep and rocky slope above the monument except for the one place where it crosses a small portion of the monument. In the past frequent rock falls and slides have broken the wood pipe line and the resulting floods have caused serious landslides and resulting scars on monument land. It may be that the proposed welded steel pipe will be more resistant to breaks but it is not expected that breaks will be entirely eliminated. There should also be some definition and control of the rights of way over which materials for construction of the new pipe will be transported. Their transportation over monument land should be forbidden or held to a minimum.

CHESTER A. THOMAS

Chester A. Thomas
 Acting Superintendent

cc: Timpanogos Cave.





Docket Information