



WATER-RIGHT DOCKET

Acadia National Park

Docket No: 4

THOMPSON ISLAND WELL 1, 2, 3

Supporting Hydro Data

06-27-1967: memorandum to chief from acting chief regarding results of wells

1 FB-123-8

LS4 WSC-CLW

June 27, 1967

Memorandum

To: Chief, Branch of Water Resources, WASO

From: Acting Chief, Office of Land and Water Rights, WSC

Subject: Results of wells at Acadia National Park

Regarding your memorandum of June 21, on the subject area, Superintendent Thomas Hyde telephoned June 22, to advise that the specified "successful" well on Thompson's Island actually produced only one-half gallon per minute, but it was fresh water. It was located 150 feet northerly of the existing well and is 133 feet deep.

On Mount Desert Island a well was drilled to 60 feet, but it produced salt water only in the amount of four gallons per minute.

Richard L. Stanton

cc:
Regional Director, Northeast
Superintendent, Acadia
Chief, D&C, FSC

OLW
WSC (Water Rights) Correspondence
WSC (Water Rights) Well Specs.

GWRobertson:ars 6/26/67

Mr. Thomas B. Hyde - Superintendent, Acadia

May 23, 1967

Existing Well at Thompson Island:

Quality:

Chloride: 424 ppm, May 16, 1967

Chloride: 900 ppm, June 18, 1965

Conductivity: 2,500 ppm, June 18, 1965

Hardness: 510 ppm, June 1965

Iron: High

In summary, the new well on Thompson Island has a small yield of potable water. No extended pumping test was made at time of drilling as we did not anticipate using this well. It seems likely that at a low rate of pumping the salinity of the water should remain in the acceptable range. However, it may be noted that the chloride content in the existing Thompson Island well on May 16 was less than half the amount measured on June 18, 1965. Some seasonal changes in quality may be anticipated.

Sincerely yours,

Glenn C. Prescott
For the District Chief

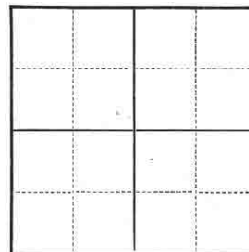
U. S. Geological Survey, Augusta, Maine

GSH/M

9-255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL



Locate well on plot of section.

1. Location: State Maine County Hancock
 Nearest P. O. Trenton Direction from P. O. _____
 Distance from P. O. _____ miles; _____ $\frac{1}{4}$ sec. _____, T. _____, R. _____
 If in city, give street and number THOMPSON Island No. 3
2. Owner: Acadia National Park Address Bar Harbor, Maine
 Driller: Ace Well Service Address Boothbay Harbor, Maine
3. Situation: Is well on upland, in valley, or on hillside? _____
4. Elevation of top of well: 20 ft. Above the level of sea
(Above or below) (Sea, depot, lake, or stream)
5. Type of well: drilled; kind of drilling rig used air rotary
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 90 ft.; year in which well was finished 1967
 Does well enter rock? yes; if so, at what depth? 0 ft.; kind of rock granite
7. Diameter: At top 6 inches; at bottom 6 inches.
8. Principal water bed: granite, basalt
(Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed _____ ft.; thickness of bed _____ ft.
 If other water supplies were found, give depth to each _____
9. Casings: Kind steel; size 6; length 4 ft.; between depths of 0 and 4 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? No; 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 4.82 ft. below surface.
11. Pump: Is the well pumped? No; 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 4 gallons per minute continuously for _____ 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: Brackish; is there an analysis? partial
(Hard or soft, fresh or salty, etc.)
15. Cost of well, not including pump: _____ Temperature of water _____ ° F.
 Name of person filling blank Glenn C. Prescott
- Date May 23, 1967 Address Augusta, Maine

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

9-9042

THOMPSON Island #3

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—		
Gray granite	0	25	25	Hit water at 23 ft.
Gray gneissic granite	25	35	10	
Gray granite	35	55	20	More water at 45 ft.
Gray gneissic granite	55	75	20	
Basalt	75	90	15	More water (2 gpm)
TOTAL Depth		90		

proposed test #2 was not drilled as we decided that it probably would be similar to No. 1. Therefore we moved to this site, #3, which is on slightly higher ground at the edge of the Park boundary on the main Island of Mt. Desert. Information about nearby private wells encouraged us to believe that an adequate supply of fresh water could be obtained at this site. When well was 60 feet deep and yield was 2 gallons per minute, the water tested as follows:

Chloride: about 650 ppm
 Conductivity: between 1350 and 1400 micromhos
 Total solids
 (based on conductivity): between 877 and 910 ppm.

Well was deepened to 90 feet in hopes that a large supply of fresh water could be obtained. About 2 more gallons per minute of the same kind of water was found. Hole was abandoned.

This well was ~~filled~~ and ABANDONED
 ANTHONY P. MENZIETTI, MAINT. SUPT.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IN REPLY REFER TO

#5

Water Resources Division

May 23, 1967

Vickery-Hill Building
Court Street
Augusta, Maine

Mr. Thomas B. Hyde
Supt., Acadia National Park
Bar Harbor, Maine 04609

Dear Tom:-

Before leaving Bar Harbor last Friday I promised Tony that I would summarize the measurements, etc., that we had made on the two wells that were drilled last week in the Thompson Island area. The data are as follows:

Well No. 1.

Depth: 135 feet.

Depth to ledge: About 4 feet.

Casing: 10 feet with a special drive shoe and seal on the end. Well not grouted but annulus between casing and wall of hole filled with drill cuttings.

Water level: 3.65 feet below land surface.

Water-bearing zones: First water was encountered at 101 feet. A little more was found between 101 and 105, and possibly a little more at greater depth.

Yield: About 0.5 gallon per minute.

Quality:

Chloride: Between 22 and 28 ppm.

Hardness: 68 ppm.

pH: 6.0

Conductivity: 200 micromhos near surface -
200 at 100 foot depth.

Dissolved solids (based on conductivity): 130 ppm at top.

176 ppm at 100 foot depth.

In summary, the new well on Thompson Island has a small yield of potable water. No extended pumping test was made at time of drilling as we did not anticipate using this well. It seems likely that at a low rate of pumping the salinity of the water should remain in the acceptable range. However, it may be noted that the chloride content in the existing Thompson Island well on May 16 was less than half the amount measured on June 18, 1965. Some seasonal changes in quality may be anticipated.

Sincerely yours,

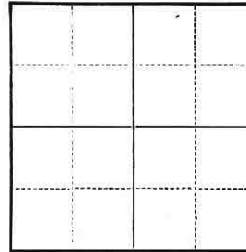
Glenn C. Prescott
Glenn C. Prescott
For the District Chief

CSH/M

9-255-
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL



Locate well on plat of section.

1. Location: State Maine County Hancock
 Nearest P. O. Trenton Direction from P. O. _____
 Distance from P. O. _____ miles; _____ $\frac{1}{4}$ sec. _____, T. _____, R. _____
 If in city, give street and number Thompson Island No. 1
2. Owner: Acadia National Park Address Bar Harbor, Maine
 Driller: Ace Well Service Address Boothbay Harbor, Maine
3. Situation: Is well on upland, in valley, or on hillside? Near the sea
4. Elevation of top of well: 10 ft. Above the level of Sea
(Above or below) (Sea, depot, lake, or stream)
5. Type of well: Drilled ; kind of drilling rig used Air rotary
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 135 ft.; year in which well was finished 1967
 Does well enter rock? yes; if so, at what depth? 4 ft.; kind of rock Schist
7. Diameter: At top 6 inches; at bottom 6 inches.
8. Principal water bed: Schist
(Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed 101 ft.; thickness of bed 34 ft.
 If other water supplies were found, give depth to each _____
9. Casings: Kind Steel; size 6; length 10 ft.; between depths of 0 and 10 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? NO; 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 3.65 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 0.5 gallons per minute continuously for _____ 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: Fresh ; is there an analysis? Partial (see memo)
(Hard or soft, fresh or salty, etc.)
15. Cost of well, not including pump: _____ Temperature of water 52 °F.
- Name of person filling blank Glenn C. Prescott
- Date May 23, 1967 Address Augusta, Maine

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

6-0942

Thompson Island No. 1

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—		
Rocks and fill	0	4	4	
Quartz-mica schist, dark-colored	4	110	106	A little water, 101-105
Gray chlorite-mica schist	110	125	15	
Gneiss, schist	125	135	10	
Total depth		135		
No extended pumping test was made, but the apparent yield of well, based on development with air as drilling progressed, was about 1/2 gallon per minute of fresh water. Water tested as follows:				
Chloride:	22-28 ppm			
Hardness:	68 ppm			
pH:	6.0			
Conductivity:	200 Micromhos near top			
	270 Micromhos at 100-foot level			
Dissolved solids				
(based on conductivity):	130 ppm near top			
	176 ppm at 100-foot level.			
Drilling was discontinued at 135 feet because of the increasing danger of encountering salty water with greater depths. Existing well on Thompson Island drilled in 1962 yields water that is quite salty. Depth of well is 263 feet.				

AN APRON AROUND CASING HAS BEEN POURED HAND PUMP FOR WATER WILL BE INSTALLED APRIL 1968. -

ANTHONY P. MENZIE, JR., MINT, SUPP.

R. L. JONES
ROTARY WELL DRILLING
ELLSWORTH, MAINE
Tel. NOrmandy 7-8040

REFERENCE: Water Supply Wells, Acadia National Park
Thompson Island

ITEM: Drilling Log

Machines Used: Star 40 (cable type) and Keystone Franks 50 Rotary

Nov. 20-1962 Started well with cable machine, drilled through 3 ft. of overburden before striking bedrock. Ledge is too hard for 12 inch bit on cable machine.

Moved rotary machine in on site Nov. 25. Set 5 ft. of 12 inch casing and 10 ft. of 6 inch casing. Poured grout between the two casings and allowed to set for 72 hours. Grout consists of 8 100 lb. bags of High Early cement.

Started drilling again Nov. 28. Rock is dark blue in color fairly hard. Samples are taken every ^{Ten} ~~five~~ feet. Picked up about 1 Gallon per min. at 42 ft. total depth of well at end of day is 78 ft. Stopped work at 5:00 p.m.

Nov. 29. Started work at 8:30 a.m. Rock changed at 90 ft. to a somewhat softer formation than it has been. the color is still unchanged. No more water as yet. Last 15 ft. drilled was 1 hour 10 min. Drilled to depth of 160 ft. and stopped work at 5:00 p.m.

Nov. 30. Started work at 8:00 p.m. Rock is somewhat lighter in color at 180 ft. cutting rate is now 15 feet every 1 hour 10 min. no more dry seams or water. Drilled to depth of 215 ft. rock is still light colored. Stopped work at 5:00 PM/

P. L. JONES
ROTARY WELL DRILLING
ELLSWORTH, MAINE
Tel. NOrmandy 7-8010

(contd.)

REFERENCE...Water Supply Wells.

Dec. 1. Rock changed to softer formation at 220 ft. drilling rate at this depth is 15 ft. every 45 min. Rock changed to a harder formation at 245 ft. same color but harder drilling. Total depth at end of day is 255 ft.

Dec. 2. Started drilling at 8:30 a.m. Rock is still hard with little or no change in color. Struck large cavity in rock at 255 ft the cavity was approximately 5 ft. from top to bottom. The entire area was water bearing producing over 100 gals. per min. finished pocket on vein at 263 ft. Surged well with air pressure and moved machine from site.

NOTE....

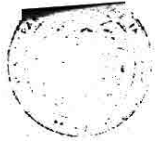
The average run on the carbide bits used in the rock was 40 feet per bit.

*This well is used at comfort Station at
Thompson Island but is brackish and
not used for drinking*

263 ft depth

large yield

Other Supporting Information



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Acadia National Park
Bar Harbor, Maine 04609

L54

February 5, 1968

Memorandum

To: Chief, Office of Land and Water Rights, WSC
From: Superintendent, Acadia
Subject: Test Well Drilling Contracts (1967 F.Y.)
Contract #14-10-5-123-5 and Contract # Unnumbered

We have received the test well reports from the U. S. Geological Survey in Augusta, Maine, and submit same herewith. Please prepare one additional copy so we may return a set to that office. The information requested in your subject memorandum of January 17, 1968, is contained in these reports. Use of these wells is as follows:

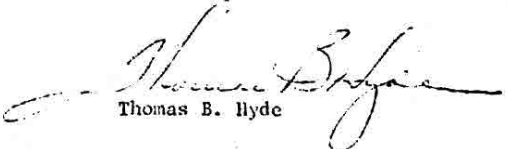
Thompson Island No. 1 - Recommendation is made that this well provide drinking water for the proposed Visitor Information Station at this location. Operation of toilets and related equipment will probably be provided by existing saline well serving Picnic Area comfort stations.

Thompson Island No. 3 - This well was plugged since water quality was unsatisfactory.

Sand Beach: This well will be connected in near future to replace unsafe dug well which serves the Sand Beach Residence occupied by a permanent employee.

Thunder Hole: This well will be connected this year to serve the Thunder Hole comfort station and will eventually replace the long surface pipeline from Sand Beach to Thunder Hole.

Cadillac Mountain: Although the test well drilled under contract was unsuccessful, maintenance funds were used to remove an apparent block and to deepen the existing well on the mountain. This well now provides adequate yield to serve present and future needs on the mountain.


Thomas B. Hyde

Encls.

cc: Regional Director, NERO

Letter to - Mr. Thomas Hyde - Superintendent, Acadia National Park
dated May 23, 1967

from - Glenn C. Prescott, for District Chief, U S Geological Survey
Augusta, Maine

Well No. 3

Depth: 90 feet.

Depth to ledge: 0 feet.

Casing: 4 feet grouted with cement.

Water level: 4.82 feet below land surface.

Water-bearing zones: 23 feet, ~~45~~ feet, and somewhere between 75 and 90 feet.

Yield: 4 gallons per minute.

Quality:

Chloride: about 650 ppm.

Conductivity: Between 1,350 and 1,400.

Total solids (based on conductivity): between 877 and 910 ppm.

abandoned - broken

In summary, the new well on Thompson Island has a small yield of potable water. No extended pumping test was made at time of drilling as we did not anticipate using this well. It seems likely that at a low rate of pumping the salinity of the water should remain in the acceptable range. However, it may be noted that the chloride content in the existing Thompson Island well on May 16 was less than half the amount measured on June 18, 1965. Some seasonal changes in quality may be anticipated.

Sincerely yours,

GCP

Glenn C. Prescott
For the District Chief

GSH/M



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON PLANNING AND SERVICE CENTER
1730 NORTH LYNN STREET
ARLINGTON, VIRGINIA 22209

IN REPLY REFER TO:

L54 WSC-OLW

June 27, 1967

443-6-27-67.
W.R. Copy.

ent
6/27
ent

Memorandum

To: Chief, Branch of Water Resources, WASO
From: Acting Chief, Office of Land and Water Rights, WSC
Subject: Results of wells at Acadia National Park

Regarding your memorandum of June 21, on the subject area, Superintendent Thomas Hyde telephoned June 22, to advise that the specified "successful" well on Thomson's Island actually produced only one-half gallon per minute, but it was fresh water. It was located 150 feet northerly of the existing well and is 135 feet deep.

On Mount Desert Island a well was drilled to 90 feet, but it produced salt water only in the amount of four gallons per minute.

Richard L. Slants

cc:
Regional Director, Northeast
Superintendent, Acadia
Chief, D&C, PSC

21340

(11)

Acadia National Park

Water & Sewer Systems

Bear Brook, Thompson Island, Schoodic (Frazer Point)

B-11

NARRATIVE REPORT

This project was created to provide water and sewage systems for the reconstruction of two picnic areas and the construction of one new picnic area.

The work was broken into portions and made a part of several construction contracts. Contractors performing work for this project included:

<u>Contract Number</u>	<u>Contractor</u>	<u>Item</u>
14-10-0529-1461	Shelton Brothers, Inc.	Hydre Pneumatic Water Systems
14-10-0529-1455	Paul L. Jones	Water supply wells
14-10-0529-1454	Harold MacQuinn, Inc.	Water lines and sewer systems
14-10-0529-1460	A.B. & J.R. Hodgkins	Drinking fountains

A purchase order was issued to the Bangor Hyde-Electric Company for running electric lines from the nearby primary lines to the water pump locations. This purchase order No. 29-480 was for purchase and installation of necessary wire, poles and guy cables. The meters and transformers are the property of Bangor Hyde-Electric Company.

Construction problems were about average except for swamp conditions encountered at the locations of the septic tanks.

Separate narrative reports for each contract composing this project are included as a part of this completion report.

Acadia National Park
Hydro-Pneumatic Water Systems

B-11

NARRATIVE REPORT

Contract No. 14-10-0529-1461

This project was created to complete the water systems at Thompson Island and Frazer Point Picnic Areas. Recently, two wells were drilled at these areas and water pipe was installed from the well sites to the proposed comfort station locations. These hydro-pneumatic units now complete the water system installations at the two picnic areas.

The following general items were accomplished during the term of the project:

1. Constructing a reinforced concrete pad around the well casings.
2. Installing two Jacuzzi series M-4 turbine pumps, with all necessary controls to operate the system.
3. Installing two 120 gal. hydro-pneumatic tanks. At Thompson Island, the tank is located in the comfort station. At Frazer Point the tank is located at the well site.
4. Placing a metal cover over the turbine pump units to provide protection against weather and possible vandalism.

Final inspection of the contract work was made on September 18, 1963 and the work was subsequently approved.

UNITED STATES DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

Acadia National Park

(Park)

Check One

 Monthly
 Estimate

 Final
 Estimate

☒

UNIT PRICE CONTRACT

ESTIMATE NO. 2 - FINAL		FOR (Period) July 27, 1963 - September 18, 1963		DATE Sept. 24, 1963	
CONTRACT NO. 14-10-0529-1461		COMPLETION DATE July 2, 1963		EXTENDED DATE Sept. 18, 1963	
CONTRACTOR Shelton Brothers, Inc.				ORIGINAL CONTRACT \$ 4,905.00	
PROJECT Hydro-Pneumatic Water Systems				CHANGE ORDERS* \$ 0.00	
LOCATION Thompson Island and Frazer Point				TOTAL CONTRACT \$ 4,905.00	
ITEM NO.	CONTRACT QUANTITY	DESCRIPTION	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
1	Lump Sum	Hydro-Pneumatic Water Supply System Equipped with Turbine Pump, Thompson Island	100%	2,574.00	2,574.00
1	Lump Sum	Hydro-Pneumatic Water Supply Systems Equipped with Turbine Pump, Frazer Point	100%	2,331.00	2,331.00

COPY

RECOMMENDED (Project Supervisor)		SUMMARY	
/s/ Gerhard Osterreich		TOTAL TO DATE \$ 4,905.00	
Gerhard Osterreich, Project Supervisor		LESS RETAINED AMOUNT..... 0.00	
APPROVED (Contracting Officer)		NET..... 4,905.00	
/s/ Harold A. Mahler		LESS PREVIOUS PAYMENTS..... 3,019.35	
Harold A. Mahler, Superintendent		LESS LIQUIDATED DAMAGES..... 0.00	
DATE 9-25-63		DUE THIS ESTIMATE..... 3,885.65	
		% COMPLETED TO DATE: 100%	

(12)

Acadia National Park

Water Supply Wells

B-11

NARRATIVE REPORT

Contract No. 14-10-0529-1455

This project was created to supply the Thompson Island and Frazer Point picnic areas with a source of water. Because of the isolated location of these sites, it was necessary to drill wells to provide the comfort stations with a required water supply.

Thompson Island: Drilling operations began on November 25, 1962, and consisted of drilling through three feet of overburden and 260 feet of granite rock. A rotary machine enabled the drilling operation to be completed in five days. The well produced very little water until the drilling broke into a water bearing cavity at a depth of 255 feet. The cavity measured five feet in depth and produced over 100 gallons per minute.

After testing the well as directed by the construction provisions of the contract specifications, it was determined that the water supply contained salt.

The well was retested to determine the level of salt water intrusion so that portion of the well could be sealed. The special test indicated that the salt water entered through the cavity at the 255 foot level.

Since the entire water supply entered the well through the cavity, plans to seal off the salt water intrusion were abandoned. The well is to be used to serve the comfort stations facilities. Additional tests will be made by the Park to determine if this water is suitable for drinking purposes.

Frazer Point: Drilling operations began on December 6, 1962, and consisted of drilling through 15 feet of overburden and 190 feet of granite rock. The drilling operation was completed in eight days. There was no water encountered until a depth of 192 feet was reached. At this depth, the well produced about 30 gallons per minute. The well was then completed at a depth of 205 feet, later tested, and found to continuously produce fresh water at a maximum rate of 40 gallons per minute.

Drilling samples were taken, a log of soils kept, and a complete report was made for both well sites. This detailed information is recorded and available at the U. S. Geological Survey Office in Augusta, Maine.

Form 10-104
(Rev. 9/62)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Acadia National Park

(Park)

Check One:

Monthly
EstimateFinal
Estimate☐☒

UNIT PRICE CONTRACT

ESTIMATE NO. 2 - Final	FOR (Period) 11/6/62 - 1/14/63	DATE 7/22/63
CONTRACT NO. 14-10-0529-1455	COMPLETION DATE 1/4/63	EXTENDED DATE 1/14/63
CONTRACTOR Paul L. Jones		ORIGINAL CONTRACT \$ 3,180.00
PROJECT Water Supply Wells		CHANGE ORDERS* \$ 1,914.00
LOCATION Frazer Point & Thompson Island		TOTAL CONTRACT \$ 5,094.00

ITEM NO.	CONTRACT QUANTITY	DESCRIPTION	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
Thompson Island					
1	200 L.F.	6" Well Hole Drilled from Ground Level to Bottom of Well	200 L.F.	9.50	1,900.00
2	40 L.F.	6" I.D. Well Casing Installed in Well Hole	40 L.F.	--	Incl. in Item# 1
3	10 hrs.	Testing for Yield and Drawdown	10 hrs.	7.00	70.00
C.O.#1	63 L.F.	Additional 6" Well Hole	63 L.F.	9.50	598.50
C.O.#2	14 hrs.	Additional Testing	14 hrs.	7.00	98.00
C.O.#3	41 hrs.	Special Testing	41 hrs.	10.00	410.00
Frazer Point					
4	120 L.F.	6" Well Hole Drilled from Ground Level to Bottom of Well	120 L.F.	9.50	1,140.00
5	40 L.F.	6" I.D. Well Casing Installed in Well Hole	40 L.F.	-	Incl. in Item# 4
6	10 hrs.	Testing for yield and Drawdown	10 hrs.	7.00	70.00
C.O. #1	85 L.F.	Additional 6" Well Hole	85 L.F.	9.50	807.50

RECOMMENDED (Project Supervisor)

/s/ Gerhard Oesterreich

Gerhard Oesterreich, Project Supervisor

APPROVED (Contracting Officer)

/s/ Harold A. Hubler

Harold A. Hubler, Superintendent

DATE

8/27/63

SUMMARY

TOTAL TO DATE	\$ 5,094.00
LESS RETAINED AMOUNT	0.00
NET	5,094.00
LESS PREVIOUS PAYMENTS	4,315.00
LESS LIQUIDATED DAMAGES	0.00
DUE THIS ESTIMATE	879.00
% COMPLETED TO DATE:	100%

*Show Breakdown on Reverse

(See Reverse for Distribution)

12

Acadia National Park

Water Lines and Sewer Systems

B-11

NARRATIVE REPORT

Contract No. 14-10-0529-1454

Harold MacQuinn, Inc., was awarded a contract for roads and utilities development. The utilities portion of the contract included laying water lines and installing sewer systems for the Bear Brook, Thompson Island, and Schoodic (Frazer Point) picnic areas:

Bear Brook: 2750 feet of 2" galvanized steel water line was laid from a Bar Harbor Water Company water main in the area of the Jackson Memorial Laboratory to the Bear Brook comfort station and drinking fountains. About one-half of this line is surface laid and the balance has a burial depth of one foot or less. A concrete meter box was constructed near the connection point to the Bar Harbor Water Company lines.

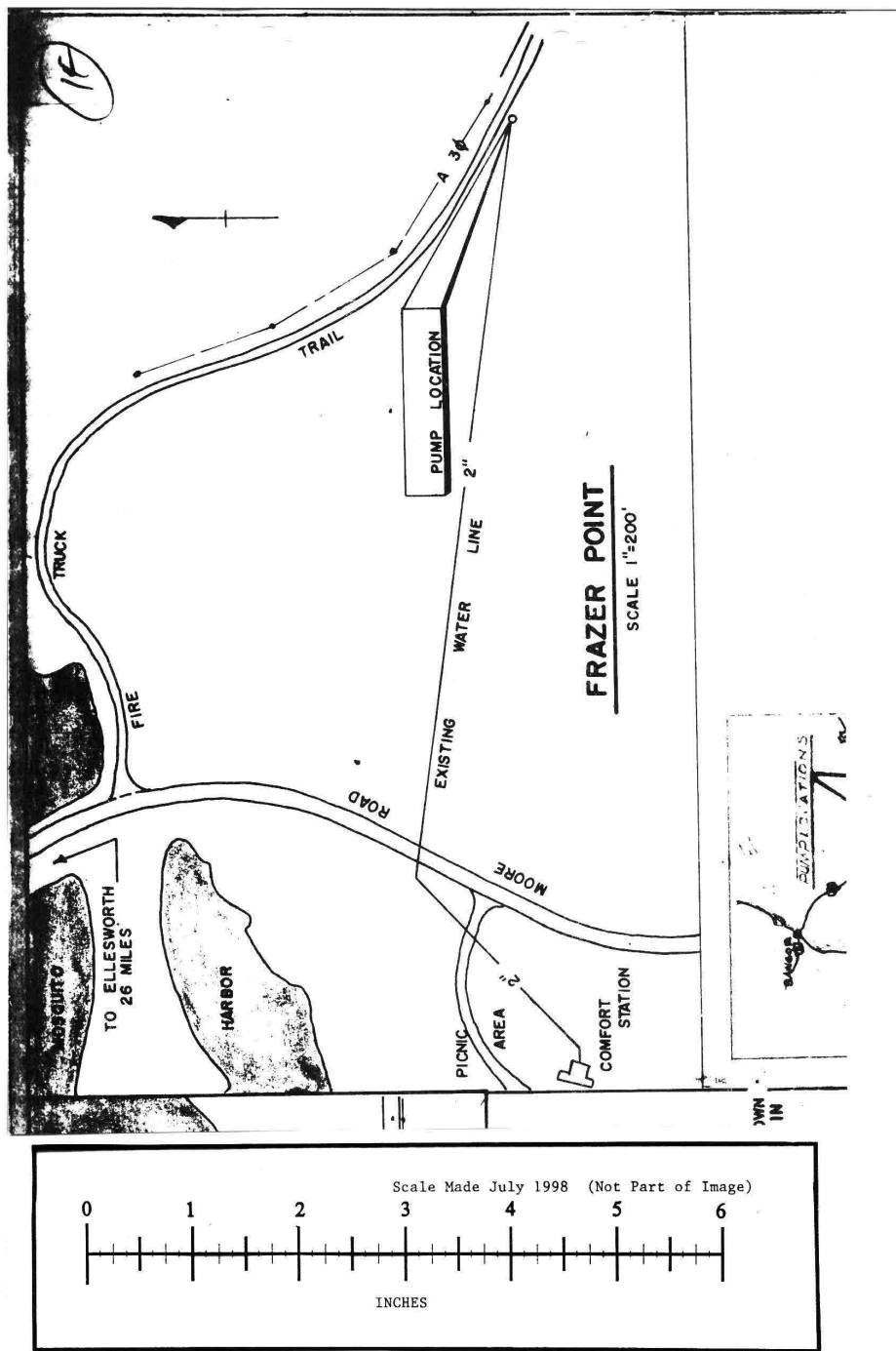
A 2,000 gallon precast concrete septic tank, 30 feet of 6" sewer line, between the comfort station and septic tank, 100 feet of 4" sewer line between the septic tank and seepage bed, and a 430 square foot seepage bed were installed to make up the sewer system.

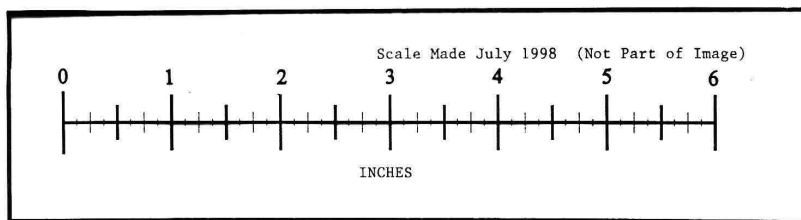
Thompson Island: 126 feet of 2" galvanized steel water line was run from the new water well to the comfort station and water pressure tank. The line has a shallow cover that will need to be drained in winter.

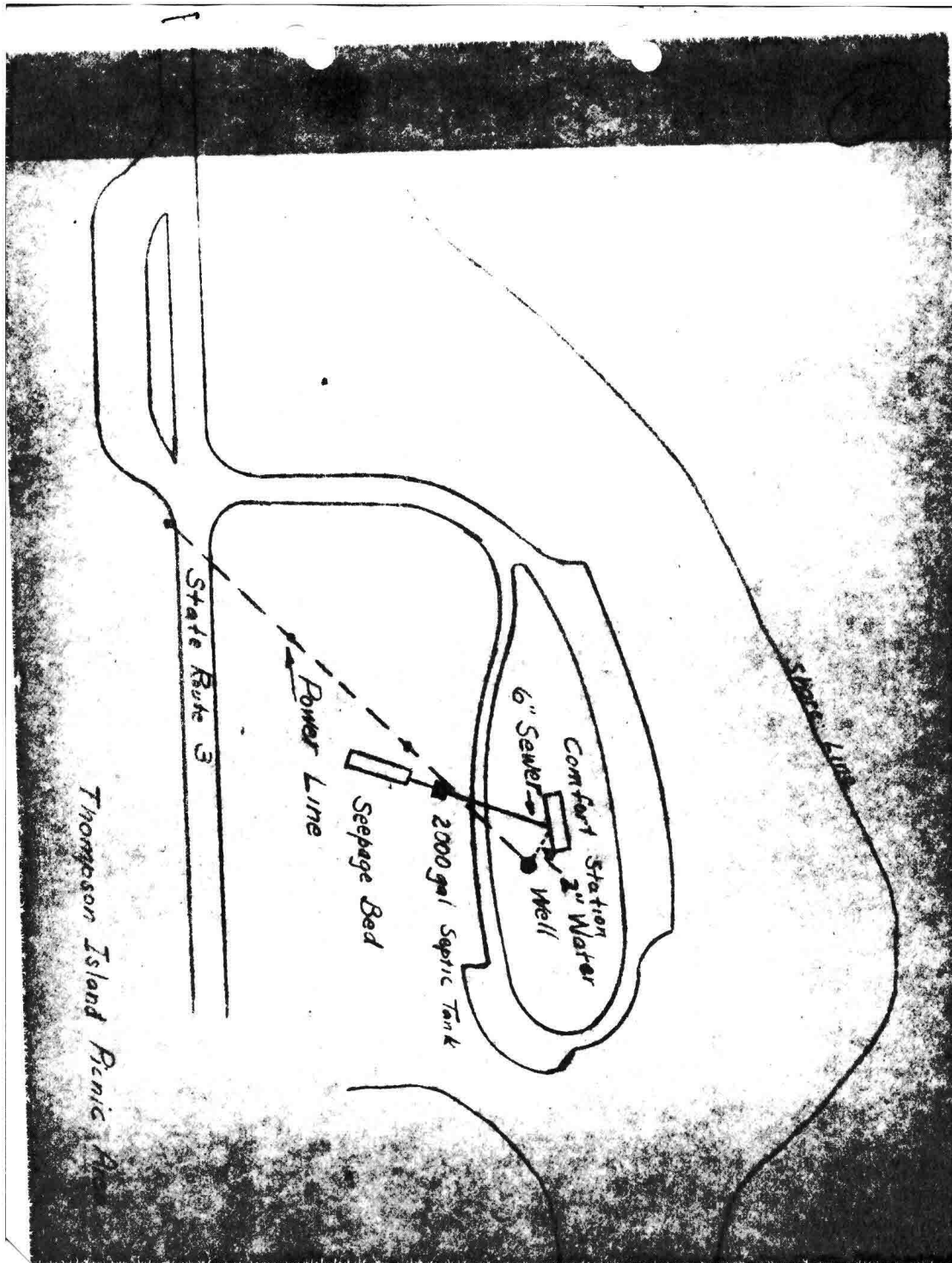
A 2,000 gallon precast concrete septic tank was buried near the comfort station. 95 feet of 6" sewer line was run from the comfort station to the septic tank. 13 feet of 4" sewer pipe connects the septic tank and a 600 square foot seepage bed.

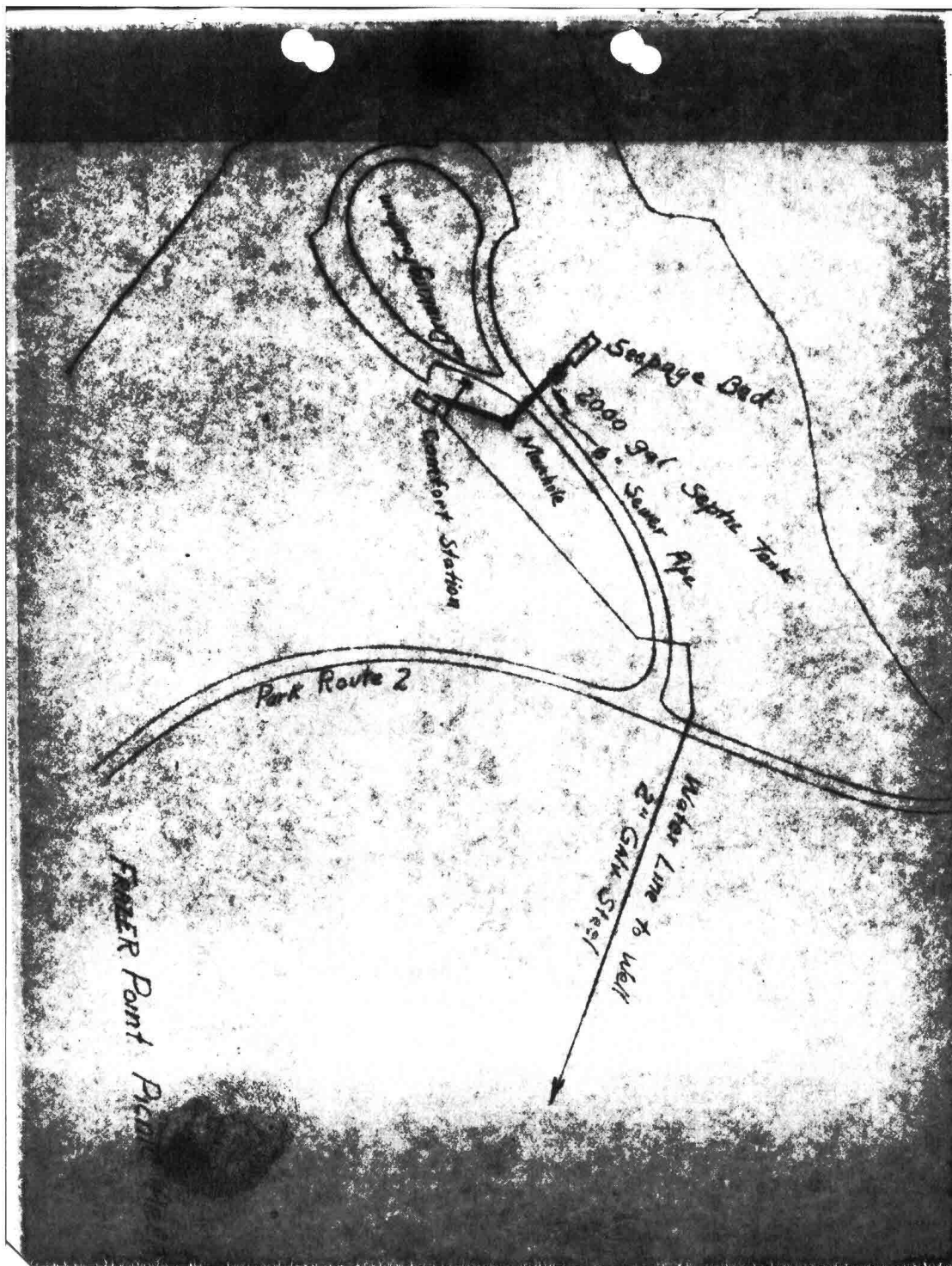
Frazer Point: 1680 feet of 2" galvanized steel water line was run from the new water well to the pressure tank located in the comfort station and on out to a drinking fountain located nearby. The line is mostly surface laid with short sections buried a few inches deep. The line crosses a major park road by running through a drainage culvert already in place.

A 2,000 gallon precast concrete septic tank is connected to the comfort station by 195 feet of 6" sewer pipe. 20 feet of 4" sewer pipe connects the septic tank to a 300 sq. ft. seepage bed.









Docket Information

Number of Documents in Docket 24

Documents Dated from 8/27/1963 to 2/5/1968

Docket Compiled: 1/28/2011