



WATER-RIGHT DOCKET

Fire Island National Seashore

Docket No: 5

WATCH HILL WELL

Supporting Hydro Data

05-22-1974: memorandum to regional director regarding log of well - watch hill, contract cx175040005

D52

May 22, 1974

*Shule:
Please file in
Fire Island
Watt. Right for Gns file
✓*

Memorandum

To: Regional Director, North Atlantic Region

From: Superintendent, Fire Island

Subject: Log of Well - Watch Hill, Contract CX175040005

Enclosed for your records is a copy of the Watch Hill Well Log furnished by Layne-New York Company in accordance with provisions of Contract CX175040005.

James W. Godbolt

Enclosure

cc: Regional Director, Mid-Atlantic Region
Chief, Property and Procurement, NARO
Chief, Property and Procurement, MARO
Regional Finance Officer, MARO

Date: 5/15/74

LETTER OF TRANSMITTAL from

LAYNE-NEW YORK CO. INC., 108 Hoffman Lane, Hauppauge, New York 11787

To: U.S. Geological SurveyYour Order No. Contract CX1750400051505 Kellum PlaceOur Order No. 4 272-01Mineola, New York 11501Job Reference FIRE ISLAND NAT'L SEASHOREAttention: Mr. J. SorenSUPPLY WELL w/PUMPING EQUIPMENTWELL NO. S-51461

Gentlemen:

Attached please find the material listed below:

<u>No. of Copies</u>	<u>Description</u>
<u>1</u>	<u>Log of Well</u>
<u>1</u>	<u>Driller's Report</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

 Please return one copy with your approval and/or comments as soon as possible. Work being held up pending your reply.

 Kindly acknowledge receipt. We are proceeding with the work without further approval.

 We request that one copy be marked "approved" for our files. Work will not be held up awaiting receipt of approval.

XXXXX

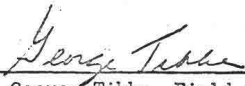
 The enclosed are for your records only.

REMARKS:

Very truly yours,

LAYNE-NEW YORK COMPANY, INC.

enc.

cc: Mr. Green, U.S. Dept. of Interior ✓
RSC

George Tibbe, Field Superintendent

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVE., LINDEN, N. J.

LOG OF WELL

Well No. S-51461 Job No. 4-272-01 Test No.
 Log of Well for (Owner) U.S. Dept. of the Interior, National Park Service
 Address 65 Oak St. Patchogue, N.Y.
 Representative, if any
 Well Located at WATCH HILL, FIRE ISLAND in Suffolk County, State of N.Y.
 Furnish sketch of location. Date Drilling started. Date Test Hole Completed.
 Total depth to bottom of Well. Diameter Test Hole 6. Elevation at Ground Level, if available.
 Elevation at Ground Level, if available. Distance from where measurements were taken to ground level.
 Water stands when not pumping feet. inches from the surface of the ground
 All Measurements taken from ground level

THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATA	Length of Core Taken	FORMATION FOUND EACH STRATUM	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATA	Length of Core Taken	FORMATION FOUND EACH STRATUM
32'	32'		Fine grey sand				
23'	55'		Coarse sand, gravel				
63'	118'		Coarse sand, gravel & clay strips				
43'	161'		Coarse to fine brown sand, clam shells				
62'	223'		Black clay - silt				
108'	331'		Black clay - silt, sand, gravel stks.				
8'	339'		Fine grey sand, grey clay stks.				
57'	396'		Hard black clay				
17'	413'		Fine grey sand, clay strips				
5'	418'		Fine grey sand, clay, lignite strips				
2'	420'		Fine grey sand, lignite strips				
3'	423'		Dark solid clay				
18'	441'		Coarse sand				
12'	453'		Fine grey sand, clay strips				
4'	457'		Black silt clay, lignite				
16'	473'		Med. to fine grey sand, iron white, lignite stks.				
41'	514'		Sandy clay, lignite & pyrite stks.				

Remarks and opinion of Test

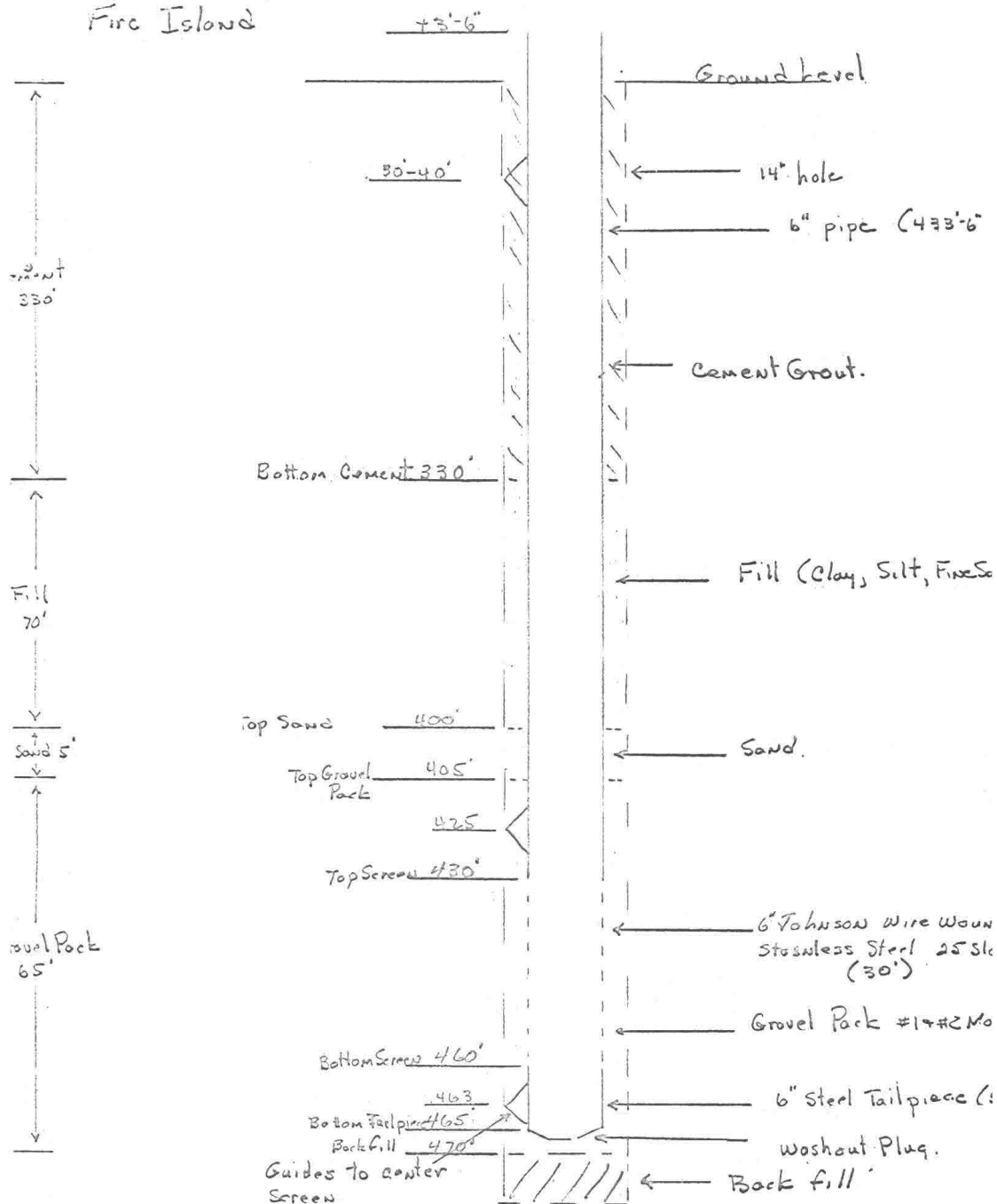
CHECK TYPE OF

☒ HAND
☐ ROTARY

S. J. Santolo

National Seashore Fire Island

U.S. DEPT. OF THE INTERIOR
NATIONAL PARK SERVICE
Watch Hill, Fire Island Well No. S-51461



Other Supporting Information

DEVELOPED AREAS		TYPES OF FACILITIES	
		MAINLAND FIRST TERMINAL	
		LANDFILL FIRST TERMINAL	
		BOAT RAMP	
		BOAT REACHING AREA	
		BOAT LAUNCHING RAMP	
		BOAT TRAILER & AUTO PARKING	
		AUTO PARKING AREA	
		VISITOR CONTACT STATION-JAMBOE OFFICE	
		INTERPRETIVE FACILITY	
		SHACK BAR	
		CLUBHOUSE STATION	
		PUBLIC AREA	
		BICYCLE RENTAL AREA	
		BAR	
		LUNCHING AREA	
		DOCK CROSSING - VEHICULAR	
		DOCK CROSSING - PEDESTRIAN	
		OVERBOAT SHELTERS (PILLOWS)	
HORCHES INLET	EXIST. PROP.		40
EAST LEAD	EXIST. PROP.		80
PATTERSQUASH	EXIST. PROP.		100
SMITH POINT EAST	EXIST. PROP.	100	2000
SMITH POINT WEST	EXIST. PROP.	100	3000
PELICAN	EXIST. PROP.		10
WALSHOUSE POINT	EXIST. PROP.		60
LONG COVE	EXIST. PROP.		60
WATCH HILL	EXIST. PROP.		100
SALESMAN	EXIST. PROP.		100
SALOONS BAY	EXIST. PROP.		100
WEST BEACH	EXIST. PROP.		100

LS4-NER(MM)

NOV 30 1973

Shirk!
Please file
in USGS
Island report file.

Mr. W. R. Scott
Acting District Chief
U. S. Department of the Interior
Geological Survey, WRD
Post Office Box 948
Albany, New York 12201

Dear Mr. Scott:

In response to your letter of November 14 we request the assistance of the U. S. Geological Survey, Albany Office in the development of a ground water supply for the Watch Hill area of the Fire Island National Seashore during the 1974 fiscal year.

The principal assistance by the Geological Survey will be as follows in:

1. prepare the technical portion of the specifications
2. review of bids
3. supervision of drilling and construction of the well
4. testing for yield and drawdown
5. complete chemical quality of water analysis (Complete U.S.P.H.S. 1962 Drinking Water Standards).
6. prepare an administrative and technical letter report summarizing the results of the test well drilling.

Funds in the amount of \$9,000 are available on a reimbursable basis, to cover the actual costs of U. S. Geological Survey assistance this fiscal year. Billing should be made to the Regional Director, Northeast Region, National Park Service, 143 South Third Street, Philadelphia, Pa. 19106, Attention: Mr. Joseph W. Karban.

We request that reports and data which relate to the assistance provided by the Geological Survey be submitted to this Office for review and comment prior to final distribution. Requests from the Survey for National Park Service approval of reports and data for release to the open file and for

other purposes can be given consideration at that time. To facilitate review, all raw data collected during the investigation should be included as an appendix to the report. Eight copies of the final submittal should be sent to this Office.

We look to your staff for assistance in preparing the technical portion of the specifications, a list of prospective bidders, and we will follow up with the administrative details of the contracting procedures. Subject to the receipt of reasonable bids and funding availability, we hope to complete this project by the end of Spring 1974. Further coordination may be by direct contact with Mr. Karban (tel. (215) 597-7052.)

We appreciate the cooperation and assistance received from you and members of your staff. Prompt acknowledgement of this letter is requested!

Sincerely yours,

(SGD) Chester L. Brooks

Chester L. Brooks
Regional Director, Northeast Region

cc:

Supt., Fire Island, w/cy. of inc.

Director, N.Y. District, w/cy. of inc.

Maintenance Division (WASO), w/cy. inc.

Attention: Victor Berte'



IN REPLY REFER TO:

L54 FIIS

United States Department of the Interior

NATIONAL PARK SERVICE
Fire Island National Seashore
Box 229
Patchogue, New York 11772

June 23, 1971

EASTERN SERVICE CENTER	
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	FILES

Memorandum

To: Supervisory Hydraulic Engineer, Office of Land Acquisition
and Water Resources, ESC

From: Assistant Superintendent, Fire Island NS

Subject: Water Right Docket #5 - Watch Hill

Attached is the water analysis report for the Watch Hill water supply.

As requested the following information was received from the Davis Park Water Company: two wells are maintained by the Davis Park Water Company; one 6" casing 408 feet deep and one 8" casing 568 feet deep.

All other information will be found in the attached report.

James W. Godbolt
James W. Godbolt

Enclosure

SUPPLY 2813 PARK CENTER CO. INCCODE 81-000LOCATION DEWIS TRL. FINESTON, N.Y.POPULATION 4000SUFFOLK

TRACE METALS	SE	SOURCE			
Sample No	2813	2814	3055		
Chromium (0.05)°	.000	.000	.000		
Silver (0.05)°	.000	.000	.000		
Iron (0.3)°	.158	.091	.148		
Lead (0.05)*	.000	.000	.000		
Cadmium (0.01)°	.000	.000	.001		
Copper (1.0)*	.052	.021	.147		
Manganese (0.05)*	.000	.001	.003		
Zinc (5.0)*	.040	.015	.073		
Cobalt	.000	.001	.001		
Nickel	.005	.000	.007		

BACTERIOLOGICAL	SE	SOURCE			
Sample No	2813	2814	3055		
Total Coli	1	0	0		
Ver Totl Coli	1	0	0		
Tot Plate Count	280	0	60		
Fecal Coli	1	0	0		
No of Samples - x	1+				
[1] NYS recoms	15				
[2] PHS recoms	2.0				
No of Positives	0+				

MISCELLANEOUS	SE	SOURCE			
Sample No	2813	2814	3055		
Residual Chlorine					
Fluorides (1.4-2.4)°	2.1	2.1	2.1		
pH		6.4			
Carbon Filter (200g/cc)*					
Spec. Cond.	71	61	59		

From Form 682 x ECA Form 19] * Recommended limit - ° Mandatory limit

CHEMISTRY			
Sample No	2814		
Turbidity (5)*	1.30		
Color (15)*	<5		
TDS (500)*	56.8		
Chlorides(250)*	<1.0		
Sulfates(250)*	4.4		
Nitrate (45)*	<0.1		
MBAS (0.5)*	0.034		
Arsenic (0.01)* (0.05)*	0.00		
Boron (5.0)* (0.01)*	0.128		
Cyanide (0.2)*	0.00		
Barium (1.0)*			
Selenium (0.01)*			

RADIONUCLIDES			
Sample No	2814		
Gamma	NSA		
Gross α	0 $\pm$ 1		
^3H	NA		
Gross B (1000ucc/1)	0 $\pm$ 1		
^{226}Ra (3ucc/1)*	-		
^{90}Sr (10ucc/1)*	-		

PESTICIDES			
Sample No	2814		
Aldrin (0.017)*			
Chlordane(0.003)*			
DDT ² (0.042)*			
Dieldrin (0.017)*			
Endrin (0.001)*			
Heptachlor(0.018)* (0.018)*			
Neptachlor-epoxide			
Lindane (0.056)*			
Methoxychlor (0.035)*			
Toxaphene (0.005)*			

ECA-18 (CIN)
(2-69)Consumer Protection and Environmental Health Service
Environmental Control Administration
Bureau of Water Hygiene

INVENTORY OF MUNICIPAL WATER FACILITIES										STATE <u>NEW YORK</u>	
LATEST DATA IN PHS FILES					CURRENT DATA						
COMMUNITY		POPULATION	YEAR OPER. STARTED	PRESENT SUPPLY	COMMUNITY OR FACILITY			1960 CENSUS POPULATION (2) a	OWNERSHIP		
		ESTIMATED POPULATION SERVED	PRESENT TREATMENT PLANT		LOCATION (1) a			CURRENT ESTIMATED POPULATION SERVED (2) b	LAB. CONTROL (3)		
1		2	3	4	DAVIS PARK W.W.						
					FIRE ISLAND						
					COUNTY (1) b						
					SUFFOLK			4000*	N	P	
NUMBER OF SERVICES	LAB. CONTROL	SOURCE OF SUPPLY		SAFE YIELD IMPOUNDED MG	(5) CLASSIFICATION	NUMBER OF SERVICES	NUMBER OF METERS	MGD AVG. WATER	SOURCE OF SUPPLY (6)		
NUMBER OF METERS				MAXIMUM DEFEND. DRAFT (GR. WATER) MG	RESIDENTIAL a				MAXIMUM DEPENDABLE DRAFT (GR. WATER) MG (7) b		
5	6	7		8	COMMERCIAL b				2 WELLS		
					INDUSTRIAL c						
					PUBLIC d						
					TOTAL e	3025	2	.066	X		
RATED PLANT CAPACITY MGD	TREATMENT		DISTRIBUTION STORAGE	IMPROVEMENTS NEEDED	TREATMENT (9) a				IMPROVEMENTS NEEDED		
AVERAGE PLANT OUTPUT MGD			PUMPED TO MAINS		RATED CAPACITY MGD (8) a				DIST. STORAGE PUMPED TO MAINS MG (10) a		
					AVERAGE (8) b OUTPUT MGD				GRAVITY TO MAINS MG (10) b		
					EMERGENCY POWER (8) c						
					.43				.48		
					.066				0.0		
					.43						
9	10		11	12	REMARKS						
					PU X - Max. summer population						

FORM APPROVED:
BUREAU OF WATER HYGIENE

PHS USE

REPORT OF WATER SUPPLY USED ON INTERSTATE CARRIERS

FOR USE OF PHS REGIONAL OFFICE		1. NAME OF WATER SUPPLY FACILITY	
(Location code)		DAVIS PARK WATER COMPANY	
2. WATER SUPPLY OFFICIAL CONTACTED (Name and Title)		LOCATION (City, County, State)	
JOHN MILLER, 209 WEST AVE., PATCHOGUE		DAVIS PARK, SUFFOLK, N.Y. (BRIDGE)	
3. DATE THIS SURVEY MADE		4. DATE OF LAST PHS - STATE JOINT SURVEY	
MO. DAY YR.		MO. DAY YR.	
5. POPULATION SERVED BY DISTRIBUTION SYSTEM (To the nearest hundred)		6. OWNERSHIP	
300 - 400 pop.		1 = Public 2 = Private	
7. SOURCE		1 = Surface 2 = Ground 3 = Combination	
8. TREATMENT USED -- 1 = YES, 2 = NO			
☐ Disinfection ☐ Coagulation ☐ Rapid Sand Filtration ☐ Fluoridation ☐ Taste and Odor Control ☐ Lime Softening ☐ Ion Exchange ☐ Settling ☐ Iron Removal ☐ Other (If yes describe under 13).			
9. LOCAL WATER SUPPLY PROGRAM -- 1 = YES, 2 = NO			
☐ A. Is there a continuous program, such as a cross-connection survey, to detect health hazards and sanitary defects within the water distribution system? ☐ B. If there is a program such as described in "A" above are sanitary defects and health hazards being removed systematically and at a rate which is satisfactory? ☐ C. Does the community have an adequate plumbing code, such as the National Plumbing Code, or are there rules and regulations prohibiting connections or arrangements by which liquids, steams, gasses, or chemicals of unsafe, unknown, or questionable quality may be discharged or drawn into the public water supply? ☐ D. Are there provisions to enforce such code or rules and regulations on new construction? -- on major repairs and reconstruction? ☐ E. Are the principal plant operators certified or licensed under a state program? -- is such certification or licensing compulsory?			
10. CHEMICAL ANALYSIS (mg./l) (A blank indicates no report)			
Date last chemical sample taken: MO. DAY YR. 7 6 6 How often are chemical analyses made?			
Alkalinity (as Ca CO ₃) Arsenic (.05)** (.01)* Barium (1.0)* Cadmium (.01)** Chromium Hexavalent (.05)** Cyanide (.2)** (.01)* Fluoride Lead (.05)** Hardness (as Ca CO ₃) Selenium (.01)**		Silver (.05)** ABS (.5)* Chloride (250)* Copper (1.0)* CCE (.2)* Iron (.3)* Manganese (.05)* Nitrate (NO ₃) (45)* Phenols (.001)* Sulfates (250)*	
TDS (500)* Zinc (5.0)* pH Magnesium O ₂ CONSUMED 1.4		5 3 7 0 0.4	
*RECOMMENDED MAXIMUM **MAXIMUM CHEMICAL LIMITS --MG/L			
11. PHYSICAL AND RADIOCHEMICAL ANALYSIS			
How often are physical analyses made?			
PHYSICAL		RADIOCHEMICAL	
Turbidity (5 s.u.) Color (15 s.u.) Odor (3 s.u.) Avg. Water Temp. (°F) Avg. Air Temp. (°F)		SR ⁹⁰ (10 µµc/l)* RA ²²⁶ (3 µµc/l)* GROSS BETA (1000 µµc/l)* GROSS ALPHA SR ⁸⁹ I ¹³¹	
1 3 5 1 1 1		2 4 3 2 0 3 0 4 0 4 0 4	
* Limits from 1962 PHS Drinking Water Standards			

ECA-E (CIN)
(1-69)UNITED STATES PUBLIC HEALTH SERVICE
ENVIRONMENTAL CONTROL ADMINISTRATION
BUREAU OF WATER HYGIENE

336
SERIAL NO.
2813

PUNCH IN COLS.

IDENTIFICATION OF WATER SAMPLE

1. LOCATION OF WATER SUPPLY

CITY, COUNTY, STATE

FOR OFFICE
USE ONLY

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

DO NOT
WRITE BELOW
THIS LINE

2. WATER SUPPLY NAME

3. DATE OF SAMPLING

BEGINNING DATE
OF COMPOSITE

NO.	DAY
19	22

 ENDING DATE
OF COMPOSITE
OR DATE OF
GRAB SAMPLE

NO.	DAY	YR.
23	27	57

4. SAMPLE FROM

☐ TREATMENT
PLANT

☐ WELL

☐ RESERVOIR

☒ DISTRIBUTION
SYSTEM

☐ OTHER
5. SAMPLING POINT
LOCATION AND/OR
DESCRIPTION6. TYPE OF
WATER SAMPLED
☐ FINISHED

☐ PARTIALLY
TREATED

☐ RAW

☒ Untreated

☐ OTHER
7. SOURCE OF
WATER
☐ SURFACE

☒ GROUND

☐ COMBINED

☐ OTHER

DUP. 1-6.

TOT. COLI.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

FROM
CARD 2 OR 3

VER. TOT. COLI.

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TOT. PLATE CT.

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FECAL COLI.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

RES. CHLORINE

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

11. APPEARANCE OF SAMPLE

12. ADDITIONAL REMARKS

13. COLLECTED BY

☒ USPHS
STAFF

☐ OTHER

DO NOT WRITE BELOW THIS LINE

LAB. SAMPLE NO.

DATE RECEIVED

AUG 28 1969

LABORATORY REMARKS

ECA-9 (CIN)
(1-69)UNITED STATES PUBLIC HEALTH SERVICE
ENVIRONMENTAL CONTROL ADMINISTRATION
BUREAU OF WATER HYGIENE

PUNCH IN COLS.

SERIAL NO.

3056

IDENTIFICATION OF WATER SAMPLE

1. LOCATION OF WATER SUPPLY

Davis Park, Suffolk, N.Y.
CITY, COUNTY, STATEFOR OFFICE
USE ONLY

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

DO NOT
WRITE BELOW
THIS LINE

2. WATER SUPPLY NAME

Davis Park, N.Y.

3. DATE OF SAMPLING

BEGINNING DATE
OF COMPOSITEMO. DAY
19 22ENDING DATE
OF COMPOSITE
OR DATE OF
GRAB SAMPLEMO. DAY YR.
8 27 67
23 28

4. SAMPLE FROM

☐ TREATMENT
PLANT☐ WELL☐ RESERVOIR☒ DISTRIBUTION
SYSTEM☐ OTHER5. SAMPLING POINT
LOCATION AND/OR
DESCRIPTION*Tap - Bathroom - Bath House
near Casino*6. TYPE OF
WATER SAMPLED☐ FINISHED☐ PARTIALLY
TREATED☐ RAW*Untreated*☒ OTHER7. SOURCE OF
WATER☐ SURFACE☒ GROUND☐ COMBINED☐ OTHER

DUP. 1-6.

TOT. COLI.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

FROM

CARD 2 OR 3

VER. TOT. COLI.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TOT. PLATE CT.

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FECAL COLI.

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RES. CHLORINE

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

11. APPEARANCE OF SAMPLE

2:10 pm

12. ADDITIONAL REMARKS

Temp 64°F

13. COLLECTED BY

Tom Lathrop☒ USPHS
STAFF☐ OTHER

DO NOT WRITE BELOW THIS LINE

AUG 28 1967

LAB. SAMPLE NO.

DATE RECEIVED

LABORATORY REMARKS

SEE ALSO INSTRUCTIONS

Form 10-411
(July 1965)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

DISTRIBUTION OF COPIES	
NO.	TO
2	Chief, PP&SC
1	Director
1	Regional Director
1	Superintendent

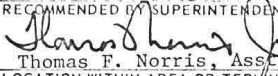
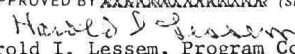
PROJECT CONSTRUCTION PROPOSAL

1. STATEMENT OF MANAGEMENT'S REQUIREMENTS, PROPOSED WORK, AND ITS RELATIONSHIP TO OTHER FACETS OF THE PARK PROGRAM. (Provide detail data for "Management Information" on Form 10-411a, Supplemental Sheet and attach.)

Provide electricity, water and sewerage service to the Dock Facility building and Comfort Stations at Watch Hill marina. Basic electrical system is provided in Drawing No. NS-FI-3044 (1/4/68) under PCP U-22. Water and sewerage are provided in Drawing No. NS-FI-3043 (6/67) under PCP U-1. Work under this PCP should provide for connection needed to tie-in work already completed or planned for construction.

2. ADVANCE REQUIREMENTS DATA

LAND STATUS	MASTER PLAN NO.	APPROVAL DATE
Government owned	NS-FI-3039	April, 1967
PCP NUMBERS OF PREVIOUSLY COMPLETE PORTIONS	INTERRELATED & DEPENDENT PROJECT PCP NUMBERS	
	M-2-1, M-15, R-4, U-1, R-1, B-3	
INTERPRETIVE PROSPECTUS APPROVAL DATA		DATE
WATER RIGHT NEEDS & STATUS		
None		
RESEARCH NEEDS & STATUS		
None		
OTHER		

3. RECOMMENDED BY SUPERINTENDENT (Signature & Date)	4. APPROVED BY ~~XXXXXXXXXXXX~~ (Signature & Date)
 Thomas F. Norris, Asst. Supt. 1/22/68	 Harold I. Lessem, Program Coordinator 1/30/68
5. LOCATION WITHIN AREA OR TERMINI	6. BLDG. OR RT.# AND SEC.
Watch Hill	
7. REGION	8. PARK
NE	Fire Island National Seashore
9. PROJECT	
Completion of Watch Hill Facilities (Utilities)	Suffolk (County) New York (State)
	10. PCP INDEX NO. U-1

ESTIMATE		QUANTITY	COST
CLASS ☒ (A) - Estimate based on working Drawings CLASS ☐ (B) - Estimate based on preliminary plans CLASS ☒ (C) - Estimate based on similar facilities in other parks			
		P. S. & S. by	
		BPR ☐ NPS ☒	
A. For Visitor Facility (water & sewage) 2" water line 250' @ \$4 1,000 2" valve 1 @ \$100 100 4" force sewer line 300' @ \$7 2,100 Sewage pump station L.S. 7,000 10,200			
B. Dock Utilities Completion (water & sewage) 2" water line 300' @ \$4 3,200 4" water line 100' @ \$7 700 2" valve & box 1 @ \$100 100 Dock hydrants 30 @ \$100 3,000 6" sewer line 50 @ \$7 350 10 boat sewage pumping station L.S. 2,000 9,350			
C. Electric Entrance Service to Dock Building Comfort Facility from existing Transformer Station 4 - #2 in 2 1/2" conduit 300' @ \$6 1,800 Splice box and splice 200 2,000			
D. Marina Electric System - Dwg. NS-FI 3044 65,000 86,550			
Note: "D" portion is Class A estimate based on working drawing.			
RESEARCH ESTIMATE APPROVED:		ESTIMATE TOTALS	
_____ (Asst. Director, Resource Studies)		RESEARCH.....	
_____ (Date)		Construction..... 86,550	
_____ (Date)		Plans, Surveys, and Supervision..... 17,310	
_____ (Date)		Contingencies 11,540	
CONSTRUCTION ESTIMATE APPROVED: H. Reese Smith (Design Office Chief)		CONSTRUCTION SUB TOTAL 115,400	
INTERPRETIVE ESTIMATE APPROVED: _____ (Asst. Regional Director, Op. ns)		INTERPRETIVE SUB TOTAL (100%)	
_____ (Date)		GP TOTAL 115,400	

SUPPLEMENTAL INFORMATION FOR PROJECT CONSTRUCTION PROPOSAL

PARK	FACILITY	P.C.P. NO.
Fire Island National Seashore	Utilities (Watch Hill)	U-1

1. MANAGEMENT INFORMATION

Connection of electric, water and sewerage service to dock facility building and comfort station at Watch Hill.

2. TECHNICAL INFORMATION

ENC
12/13

December 11, 1967

L54-OLW

Memorandum

To: Chief, Office of Land and Water Rights, WSC
Attention: Mr. Ketcham

From: Chief, Branch of Water Resources

Subject: Trip report by Hydraulic Engineer Moore to Fire Island

The copy of Mr. Moore's report of his trip to Fire Island, dated November 28, 1967, has been reviewed with interest.

Unfortunately, I am not too clear on the present status of the drilling program. By reviewing our files, including the recently resubmitted quarterly report, I conclude that the Sailors Haven well has been completed and the Smith Point West existing well has been tested. The Talisman well was in the process of completion at the time of Mr. Moore's visit and probably is completed by now. The Whale House Point well had not been started at the time of Mr. Moore's trip, but probably is underway now.

However, on page 2, Mr. Moore describes an existing 6" well at Smith Point (East or West?) and gives an estimate of flow. Is this the same well tested earlier for \$890 as described on page 5 or is this another well? Mr. Moore also mentions, on page 3, an existing well that is being used to supply park facilities near the Talisman well. Both this and the Smith Point well are described as being in pits. Has this type of installation the approval of the Public Health Service? If this has not been done, it will be worthwhile to check further on the sanitary aspects of this type of installation.

Also, Mr. Smith's memorandum of November 15, 1967, refers to a preliminary production estimate of 100 gpm for the test well at Watch Hill. The Watch Hill complex may be supplied from the existing Davis Park well. The 100 gpm estimate in Mr. Smith's memorandum may refer to the yield of the Davis Park well.

The possibility of using the existing Davis Park well should certainly be explored. It is assumed this well is owned either by the community of Davis Park or a privately owned utility company. However, the location of the well itself is not known

here, but if it is within the Davis Park enclave it will require about a mile of pipeline. Long Cove almost a mile farther east is planned for development in 1972 and 1973. Perhaps a well at either Watch Hill or Long Cove or somewhere between the two could supply both developments and might prove more economical.

Basically, the above discussion is an argument for an inventory of existing wells as recommended by Mr. Moore. I suggest that the Geological Survey be contacted regarding this. The Survey should have records (or can get them) of all wells registered with the State. This would include public supply wells and recent wells producing 45 gpm or more. Another possible source of information is the land appraisal reports. If possible, I suggest that the inventory include all deep wells on Fire Island. This addition would not only supplement the hydrological information, but might be useful in defining interference between wells or even permitting a better location of wells to prevent or reduce such interference.

This suggests that docket for the recently drilled wells and its respective supply systems should be prepared. It is not necessary that complete information on the supply system be available to prepare a docket. The partial information is valuable in itself and additions can be made as the information becomes available. The logs and chemical analyses are a good start. Alien water right dockets eventually should be prepared for all other wells on the island.

(Signed)

E. W. Reed

cc:
Superintendent, Fire Island
Regional Director, Northeast
Chief, DC, PSC
Mr. Reed - OLWW

EWReed:ljc

RECEIVED
DEC 15 3 45 PM '67
NATIONAL PARK SERVICE
WASHINGTON, D.C.

RECEIVED
Dec 12 3 42 PM '67
NATIONAL PARK SERVICE
WASHINGTON SERVICE
CENTER



IN REPLY REFER TO:
L54-DP

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Philadelphia Planning and Service Center
Design and Construction
Philadelphia, Pa. 19106

November 15, 1967

Ketcham
PK

Memorandum

To: Chief, Land and Water Rights, WSC
From: Chief, Design and Construction, PSC
Subject: Fire Island National Seashore, Estimated potable water requirements

We wish to confirm the information given verbally to your Mr. Garland Moore by our Engineer John Longworth during their telephone conversation of November 8th as follows:

We estimate the potential potable water demand at Watch Hill Developed Area at 40,000 gallons per day and at Sailors Haven Developed Area at 40,000 gallons per day. *20 gpm*

The Smith Point West Developed Area requirements which were estimated at 75,000 gallons per day were based on the needs of a major development including campground, bathing and picnic facilities. The present Developed Area Plan which has not been approved as yet, but is based on an approved master plan indicates a small contact station and a residence which would require service and would therefore create a minimum demand. *53 gpm*

We appreciate receiving the preliminary production estimate of 100 gallons per minute for the test wells at Sailors Haven and Watch Hill and would appreciate receiving more detailed information as it becomes available.

H. Reese Smith
H. Reese Smith

cc:
Deputy Assoc. Director Jensen
Ass't Director, D&C Krueger
Deputy Ass't Director, D&C Rosenberg
NERO
Superintendent, New York City Group

211
10/9

October 6, 1967

154-OLW

Memorandum

To: Chief, Office of Land and Water Rights, WSC
Attention: Mr. Ketcham

From: Chief, Branch of Water Resources

Subject: Application for permit from State for wells at Fire Island

Please refer to your letter of October 5 to the New York State Department of Conservation on the above subject.

To my knowledge, this is the first time the Park Service has applied for a permit in New York State. Although the Service has authority to make such application this action is permissive and not mandatory. Because this is a precedent, the matter should be discussed with the Solicitor's Office before any formal application is made.

When the forms are received, it is suggested that they be filled out and together with all other pertinent material, made into a package for the Solicitor's information. The matter can be discussed with the Associate Solicitor for Parks informally and, if desirable, a formal memorandum requesting his advice can be prepared later.

(Signed)

E. W. Reed

cc:

Mr. Reed - OLWW

EWReed:ljc

705-10-5-67

L54 WSC-OLW

October 5, 1967

New York State Department of Conservation
Water Resources commission
373 Maple Avenue
Westbury, New York 11590

Dear Sirs:

Our National Seashore Superintendent at Fire Island has advised us that use of a recently drilled well in his area is contingent upon application to your commission for a permit. We have in our files an information circular and one on rules and regulations as a guide, but it would appear from sample applications shown that you would provide pertinent forms for such an application upon request. This letter requests a nominal supply of 10 or 15 copies of these forms and any pertinent data that will serve to aid this agency to make a proper application to use groundwater from a successful test well in the aforementioned park area.

Sincerely yours,

~~Richard L. Stanton~~

Richard L. Stanton
Chief, Office of Land
and Water Rights, WSC

cc:
WASO, Mr. Reed
OLW
OLW (Water Rights) Corres.

RW/Ketcham:mf 10/5/67

Maps and Miscellaneous Information

Number of Documents in Docket	26		
Documents Dated from	10/5/1967	to	5/22/1974
Docket Compiled:	3/10/2011		