



WATER-RIGHT DOCKET

Shenandoah National Park

Docket No: 32

HAZEL MOUNTAIN WATER SYSTEM

Preliminary Docket Information

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SHENANDOAH NATIONAL PARK

Docket #32

Hazel Mountain Water System

I N D E X

PART I - INVESTIGATION

1. Excerpt from Surveys of Water Supply Project, Shenandoah National Park, by U. S. Geological Survey, Water Resources Division, Charlottesville, District (1933-1937).
2. Job Application and Completion Record, Hazel Mountain Parking Overlook, Water Fountains (August 1936).
3. Drawing No. NP-SHE 2782, "Layout of Water System," by SNP (1966).

PART II - WATER RIGHTS

Form 10-450
(Rev. 1938)

U. S. DEPARTMENT OF THE INTERIOR - NATIONAL PARK SERVICE

FIXED PROPERTY RECORD

DESCRIPTION OF PROPERTY (Include reference to the location within the Park, how the asset was acquired, name of contractor, etc.)

Location: Naseltop Parking Overlook - Central District

One Spring
 One 100 Gallon Concrete Spring Box
 1200 Linear Feet of Pipe
 One Drinking Fountain

Gravity System

Constructed by GOC in 1939

LINE NO.	DATE	REFERENCE		QUANTITY			COST		
		Journal Voucher	Other	Unit	No. of Units	Accumulated Total	Direct Costs	Indirect Costs	Accumulated Costs
1	3/27/39	37-10		System	1				1,300.00
2									
3									
4									
5									

G.L. Acct. No.	General Classification	Sub-Classification	Region	State	Park or Office
100.8	Utility	Water System	One	Va.	SHP

Form 10-55a
(Nov. 1958)

U. S. DEPARTMENT OF THE INTERIOR - NATIONAL PARK SERVICE

FIXED PROPERTY RECORD

DESCRIPTION OF PROPERTY (Include reference to the location within the Park, how the asset was acquired, name of contractor, etc)

Location: Hazel Mountain Parking Overlook - Central District

One Spring

One 350 Gallon Concrete Spring Box

1,500 Linear Feet of Pipe

One Stone Masonry Drinking Fountain

JV 32-79 Standard Aero-feeder (Chlorinator)

Gravity System

Constructed by CCC in 1939

LINE	DATE	REFERENCE		QUANTITY			COST		
		Journal Vols.	Other	Unit	No. of Units	Accumulated Total	Direct Costs	Indirect Costs	Accumulated Costs
1	8/27/59	37-20		System	1				1,500.00
2	10/14/66	31-79					327.76		1,827.76
3									
4									
5									

G.I. Acct. No.	General Classification	Sub-Classification	Region	State	Park or Office
100.8	Utility	Water System	One	Va.	SNP

Other Supporting Information

Form No. 16-5423
(May 1957)UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
EMERGENCY ACTIVITIESSymbol No. IR-10

JOB APPLICATION AND COMPLETION RECORD

Region One State Virginia Area Shenandoah National Park
 Name of job Water Fountain Form 7 No. 147 Job No. 98
 Location of job Hazel Mountain Parking Overlook Master plan No. SP-1184

BLOCK A—PROPOSED WORK

NUMBER OF PERIODS REQUIRED TO COMPLETE JOB ()	WORK CONTEMPLATED			ESTIMATED COSTS			TOTAL
	UNIT	NUMBER UNITS	MAN-DAYS	LABOR	MATERIALS	EQUIPMENT	
Previously approved	No.	1	150	15.00	35.00		50.00
Original or additional request							
TOTAL	X X X X	1	150	15.00	35.00		50.00

BLOCK B—LABOR SUMMARY

TYPE OF LABOR	UNSKILLED	INTERMEDIATE	SKILLED	PROFESSIONAL AND TECHNICAL	TOTAL
Number of man-hours					
Cost of labor					

Submitted by Sheldene L. Smith Title Acting Superintendent Date NOV 23 1958

BLOCK C—CLEARANCE

PARK AUTHORITY	DATE	PROCUREMENT OFFICER	DATE	INSPECTOR	DATE

BLOCK D—COMPLETION RECORD

WORK ACCOMPLISHED				TOTAL ENCUMBRANCES COMPLETED JOB			
DATE OF COMPLETION	UNIT	NUMBER UNITS	MAN-DAYS	LABOR	MATERIALS	EQUIPMENT	BALANCE
August, 1956	No.	1	114	14.75	30.00	48.75	1.25

Approved by J. L. Smith Title Act. Asst. Regional Director Date 2/19/59 Release date _____
 (JUSTIFICATION ON BACK OF SHEET)

Justification:

This fountain was installed in Hazel Mountain Parking Overlook by Camp NP-10. It is built in the retaining wall and was constructed of cement stone masonry, forming an integral part of the wall. Water is piped from a good spring about 1000 feet distant.

SURVEYS OF WATER SUPPLY PROJECT, Shenandoah National
Park, by U.S. GEOLOGICAL SURVEY, (1933-1937)

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HAZEL MOUNTAIN WATER SUPPLY PROJECT

Location.- The project is located 1,600 feet south of Mary's Rock, one mile southwest of the west end of Skinner Ridge, and about one mile southeast of Thornton Gap. The supply is used at Hazel Mountain Parking area which is about 33.9 miles from the north end of the Drive at Front Royal and 1.8 miles from the intersection of Skyline Drive and route No. 211. The source of supply is about 1,900 feet directly west of the Skyline Drive.

Installation.- The various units of the installations are as follows: one receptacle; reservoir, about 800 gallons capacity; 48.7 feet of closed tile; 8.4 feet of 2-inch galvanized wrought iron pipe; and 1,450 feet of three-fourths inch galvanized wrought iron pipe.

The plans for the completed survey of this project are shown on sheet No. 20 and the field notes for this survey are shown on pages 39 and 40.

Monuments.- Three concrete monuments, marked by letters "A, B, and M", were used in the survey to locate the underground units and all three of these monuments were used as bench marks for the survey and were tied into mean sea level elevation.

Elevation.- The elevations of the following monuments were determined by an unchecked line of levels from Federal Bureau of Public Roads Bench Mark No. 12 AB described as bolt in root of 12-inch birch tree 30 feet $\pm$ west of Drive at station 88 + 75. M. S. L. elevation 2,788.41 feet.

Monument A, elevation 3,066.80 feet, is located 30 feet southwest of reservoir.

Monument B, elevation 3,068.15 feet, is located 35 feet north of reservoir.

Monument M, elevation 2,797.12 feet, is located 50 feet west of Skyline Drive and about 330 feet west of fountain at Hazel Mountain Parking Overlook.

V-notch of reservoir-weir box, elevation 3,064.26 feet.

HAZEL MOUNTAIN WATER SUPPLY PROJECT

Description of System.- The flow which comes from fractured rock located about five feet in the ground was confined within a concrete receptacle and taken through 4-inch closed tile to a concrete reservoir.

Remarks.- The project supplies water to fountain at Hazel Mountain Parking area.

Docket Compiled: 6/17/2011