



WATER-RIGHT DOCKET

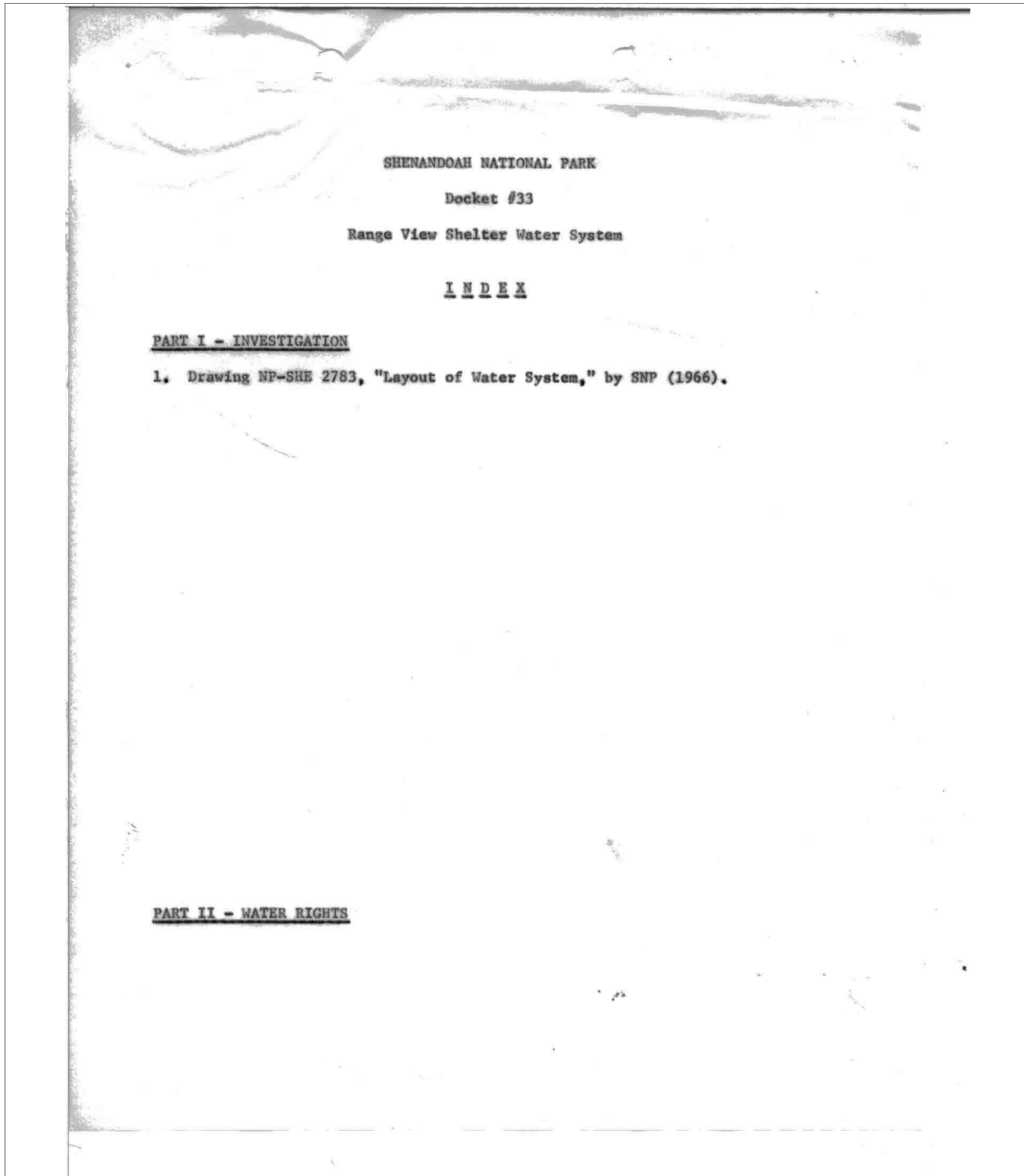
Shenandoah National Park

Docket No: 33

UNNAMED SPRING AT RANGE VIEW SHELTER WATER SYSTEM

Preliminary Docket Information

00-00-0000: docket #33: range view shelter water system index



Other Supporting Information

RANGE VIEW SHELTER WATER SUPPLY PROJECT

Location.- The project is located about 200 feet south of Range View Shelter near the Appalachian Trail, about 2,900 feet northeast of Elkwallow Gap, and 3,700 feet southwest of Rattlesnake Point. It is about 22.6 miles from the north end of the Drive at Front Royal and 0.7 mile east of the Drive.

Installation.- The various units of the installation are as follows; one receptacle "R"; one weir box "W"; two collecting trenches "GN" and "DE"; 52 feet of 4-inch open tile; and 62 feet of 4-inch closed tile.

The plans for the completed survey of this project are shown on sheet No. 9 and the field notes for this survey are shown on page 15.

Monuments.- Two concrete monuments, marked by the letters "A" and "B" were used in the survey to locate the underground units. Both 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 described as nail in root of 12-inch locust tree 100 feet west of Drive at station 513 + 39 and 197 feet south of culvert marked 515 + 36. M. S. L. elevation 3,455.75 feet.

Monument A, elevation 2,840.99 feet, is located 20 feet southwest of weir.

Monument B, elevation 2,383.33 feet, is located 45 feet northwest of weir.

Description of System.- The flow is collected in two shallow trenches about 4 feet deep and taken to receptacle "R" and from there it is taken in closed tile to the weir box.

Remarks.- This is one of the earlier installations and collects the flow only from the upper area of the water table. The flow varies with the rainfall indicating that a much better supply can be obtained if the trenches were deeper and collecting area covered with a concrete slab. The supply is for the use of campers occupying the shelter near the trail.

RANGE VIEW SHELTER WATER SUPPLY PROJECT

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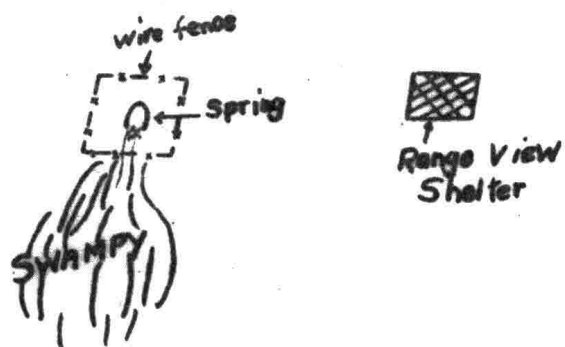
Note: Magnetic North at Monument A is zero azimuth of survey.

Instrument located on	Station	Azimuth		Distance in feet	Bearing		Remarks
		Back	Forward		Magnetic	Calculated	
Mon. A	Mon. B		18°04'	50.0	N18°E	N18°04'E	Monument line
	C		299°24'	43.9	N60½°W	N60°36'W	End of ditch
	D		329°37'	54.2	N30½°W	N30°23'W	Center of receptacle
	E		347°45'	68.5	N12½°W	N12°15'W	End of ditch
	F		74°23'	18.6	N74½°E	N70°23'E	Center back edge of in take end of weir box
	G		14°49'	144.3	N14½°E	N14°49'E	Vertical line of corne of Appalachian Trail Shelter (club house). Use line near ground level

Spring No. 45.

October 4, 1934.

Spring has no name. Located about 50' south of Range View Shelter. Spring never goes dry, it is enclosed by a wire fence and has been walled up with loose rock, has no cover. All below spring is swampy. Flow measured and found to be 23 gallons per minute. Temperature 59°.



Docket Information

Number of Documents in Docket 5

Documents Dated from 10/4/1934 to 10/4/1934

Docket Compiled: 6/17/2011