



WATER-RIGHT DOCKET

Mammoth Cave National Park

Docket No: 3

BIG SPRING

Supporting Hydro Data

00-00-0000: water analysis

PROVISIONAL RECORDS, SUBJECT TO REVISION

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER ANALYSIS

2GW

Location Mammoth Cave, Kentucky County Edmonson
Source Big Spring Depth (ft) _____ Diam (in.) _____
Cased to (ft) _____ Date drilled _____ Point of coll. _____
Owner National Park Service Use _____
Treatment _____
WBF _____ WI Q 1.49 cfs Yield _____
Temp (°F) 57 Appear. when coll. - Clear
Collected September 8, 1961, 2:30 PM By _____
Remarks Spring on bank of Big Spring Hollow 200 ft. upstream from mouth in Mammoth Cave Park. No flow in hollow except from spring. No recent rain.

	ppm	epm		ppm	epm
Silica (SiO ₂)			Bicarbonate (HCO ₃)	101	1.66
Aluminum (Al)			Carbonate (CO ₃)	0	.00
Iron (Fe)	0.02	--			
			Sulfate (SO ₄)	20	.42
			Chloride (Cl)	3.0	.08
			Fluoride (F)	.1	.01
Calcium (Ca)					
Magnesium (Mg)			Nitrate (NO ₃)	2.2	.04
Sodium (Na)					
Potassium (K)					
Total			Total		

	ppm		
		Specific conductance (micromhos at 25° C)	210
Dissolved solids:		pH	7.4
Calculated		Color	
Residue on evaporation at 180° C			
Hardness as CaCO ₃	105		
Noncarbonate	22		

Lab. No. Col 25984

Field No.

Project

KY MAMMOTH CAVE Q GW

Maps and Miscellaneous Information

Number of Documents in Docket 2

Documents Dated from to

Docket Compiled: 4/27/2011