

# ADEQ


ARKANSAS  
Department of Environmental Quality

AFIN: \_\_\_\_\_ Permit No.: \_\_\_\_\_

Date: \_\_\_\_\_ By: \_\_\_\_\_

Project: \_\_\_\_\_

Sheet \_\_\_\_\_ of \_\_\_\_\_

Printed on recycled content paper  
ADEQ Engineer/Geologist Grid Pad - revised 2002 

~~Section C to Jamal~~

$$IWC = \frac{C_d Q_d + C_b Q_b}{Q_d + Q_b} = \frac{(2.5) 0.14 + 0.01(0)}{0.14 + 0} = 2.5$$

12/11/87 Desktop model report - Moccasin Creek warmwater fishery → D.O. = 5mg/l  
CBODS/TSS/NH<sub>3</sub>/DO 25/30/10/5 MAY-OCT  
BODS/TSS 30/30 Nov-Apr

7/21/88 Desktop model report<sup>+</sup> unnamed trib. of Moccasin Creek, drainage area < 1mi<sup>2</sup> &  
based on discharge to unnamed trib. discharge site is classified as Ozark Highlands small watershed  
moccasin creek is seasonal fishery → DO = 2mg/l  
perennial fishery, DO = 5mg/l at T > 22°C  
DO = 6 < 22°C  
CBODS/TSS/NH<sub>3</sub>/DO 25/30/3/5 MAY-OCT  
25/30/5/5 Nov-Apr

7/13/88 Moccasin Creek is Ozark Highlands small watershed fishery  
based on discharge to ↑

Moc. creek used as water source for private residences downstream 8/1/88

Ecological survey report - Aug 1988 "sensitive & highly vulnerable area."  
Caves, springs, sinkholes

1/25/89 MM memo 10 wells w/ 1.5mi of site  
10/15/3/5 MAY-OCT BOD/TSS/NH<sub>3</sub>/DO  
10/15/5/5 Nov-Apr " " " " grit chamber

0/100 ml fecal  
10mg/l nitrates (drinking water stds.)

6/20/89 MGA Cor memo

2000 - BODS replaced w/ CBODS  
DO changed from a MA min to inst. min.

NPDES PERMIT FILE

NPDES # AR0044016

AFIN # 33-00036

Permit PN

Correspondence

Technical Backup

5/29/2008 Date Scanned