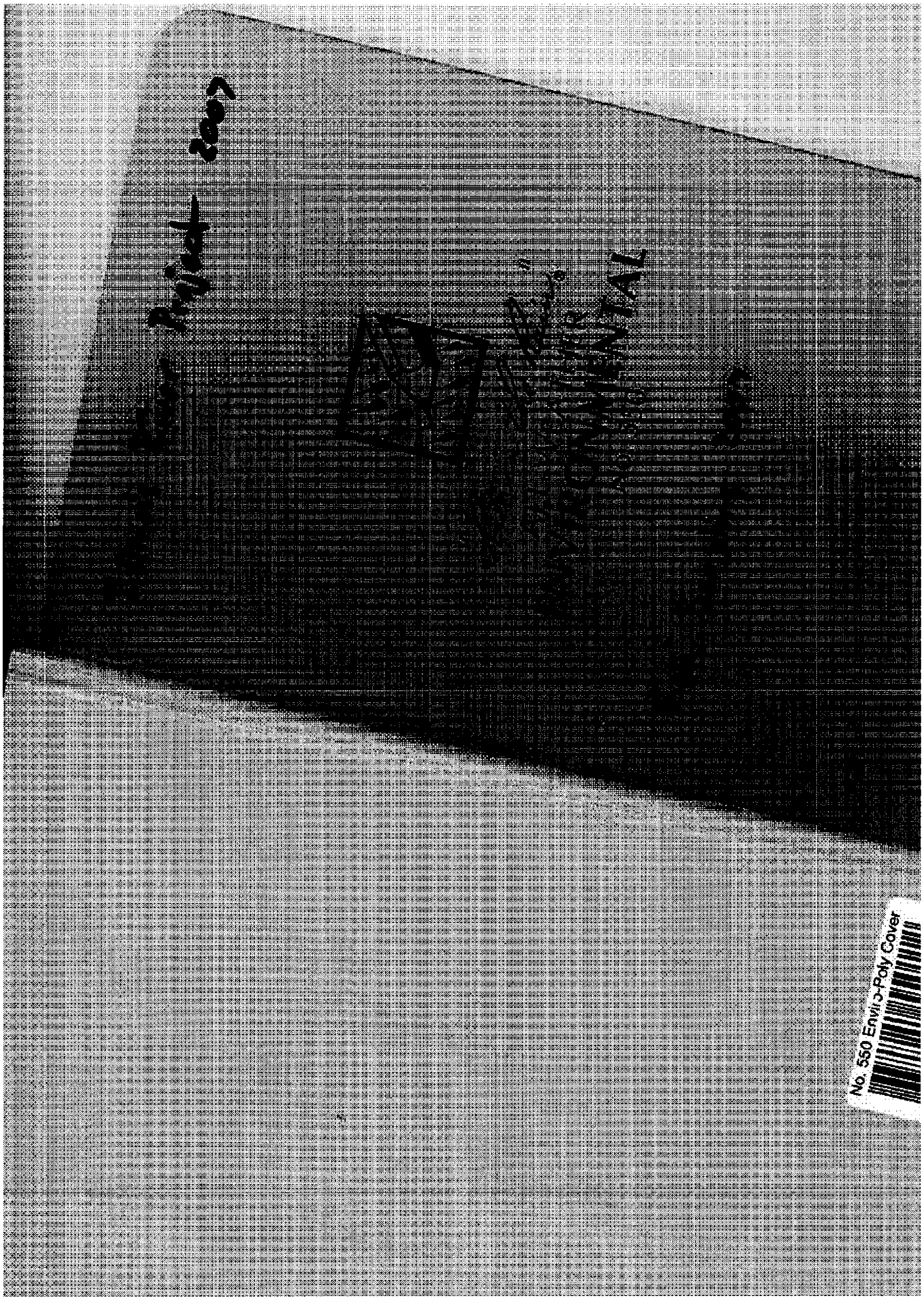
EXHIBIT A-7



"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

Name CDM

Address 100 North Tucker Blvd Ste 550
Saint Louis, MO 63101

Phone 314 241 - 8210

Project Illinois River Unbatched Project

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabrikoid Cover
Columns	1/4" Grid	Item No. 550	Item No. 550F

© 1996 J.L. DARLING CORP.

CONTENTS

PAGE	REFERENCE	DATE

Reference Page Index

147 Error codes, Hazardous classifications, Container types
148 Sampling guidelines (Liquids)
149 Sampling guidelines (Solids)
150 Approximate Volume of Water in Casing or Hole, Ground Water Monitoring Well
151 PVC Pipe casing tables
152 Soil Classification
153 Soil Classification
154 Conversions (Length, Weight, Volume, Temp, etc...)
155 Conversions (Concentrations, Volume/Flow or Time, Velocity, Acceleration)
156 Maximum Concentration of Contaminants for the Toxicity Characteristic

2

Location IRW Date July 23-24 2007

Project / Client FISH SHOCKING

JULY 23, 2007 site RS 518, arrived ~3 pm
downstream: N 3589276° W 091.95644°
Sampling: Gary Peterson, Ted Alford, Drew Blankenship. Reach sampled had riffle, run & pool w/in 100 m. Calculations of av. widths x 30 = 240 m long. 135°
Stream is headed downstream. Renee Mulcrone

JULY 24, 2007 also sampling 7/23/07
arrived ~8:00 at site RS-518. Team members: Drew Blankenship, Ted Alford, Renee Mulcrone, Gary Peterson.
Riffles - 40% Run 5% pools - 55%
GPS readings on field sheets. Left site @ noon.

SITE 657 - arrived ~1:40 pm
riffles - 25%, run - 45%, pools, - 30%
weather: sunny, ~90°
Riffle #1 - 1 redbelly dace; 2 sculpin
Riffle #2 - 1 sculpin
Riffle #3 - 1 sculpin
} Kick Seines
pictures: 100, 99
100 - looking d/s from ~100 m from bridge
99 - looking u/s from ~100 m from bridge
7/24/07

3

Location IRW Date July 24, 2007

Project / Client FISH SHOCKING

Site 657, continued.
U/S GPS reading
N 35.89410 accy: 17 feet
W 94.62897
pics: 101 - u/s toward bridge
102 - d/s toward island that separates stream
d/s GPS reading: N 3589482° } 24 ft accy
W 94.62962°
Left site at 5:10 pm
7/24/07

JULY 25, 2007 Team: Drew Blankenship, Gary Peterson, Renee Mulcrone, Ted Alford
RS-772
3
21
13
7
} 11 ft av/3 = ~4 x 30 = 120 m

This stream did not fit the standard ideal for measuring over 100m. The stream was very braided, with small trickles running on one side and the obvious thalweg on the other. As a consensus, field decision, we measured and shocked 105 m. Below 105 m, the stream disappeared into a plethora of parrot →
7/25/07

4

Location: Irwin Date: July 25, 2007

Project / Client: Fish Shocking

Feather. Above 105 m is a bridge which is an obvious barrier. The 105 m encompassed 3 riffles, 3 pools and two runs. Our measurements of 2 pools & 2 riffles gave an estimated length of 120m. However, we felt the 105m was representative of the different habitats. Several photographs were taken.

103 - d/s from sampling area

104 - u/s from lower limit of sampling area, right bank

N 36.13919° 19 ft accuracy } d/s point of sampling
W 94.56918°

N 36.13474° 21 feet accy
W 94.56850°

89 s - riffle - green net } (Notes on samples taken to distinguish buckets not relevant data
180 s - pool, unit 1

30 - second sampling in riffles!

1 - 7 sculpin

2 - 0

3 - 5 sculpin, 3 dace

time finished: Noon

Many people stopped by

% run - 10 % riffle - 25 % pool - 65

[signature] 7/25/07

5

Location: Irwin Date: July 25, 2007

Project / Client: Fish Shocking

RS-170

Sampled u/s of bridge

211 µ 20.9°C 7.47 pH 7.6 O_2

N 36.12273 } D/S reading 23 ft accy
W 94.64510

Stream flowing 330° 135 m shocked

N 36.12144 } U/S 20 ft accy
W 94.64500

Kick seines

1 - 1 fantail

2 - 7 fantail 1 sculpin
2 orangethroat 1 skippled

3 - 2 fantail
1 stoneroller

run % - 40 riffle % - 25 pool % - 35

3 pictures - upstream midway, downstream & downstream.

off site @ 8:45 pm

Water moccasin sited

[signature] 7/25/07

6

Location IRW Date July 25, 2007

Project / Client FISH SITE KING

Site 604 arrived ~5:30 pm

~~10 + 15 = 25 km~~ 12/3 = 4 x 30 = 120 m

~~17.5 + 8 = 26.5~~

N 36.07926 Accy to 8 feet } lower upper end

W 94.82510

Marked off sampling site for tomorrow seining

1 - 0

2 - 2 cardinal shiners, 3 orangethroat darters

3 - 0

Off site @ 6:05 pm

% riffles = 60 % runs = 10 % pools = 30

[signature] 7/25/07

7

Location IRW Date July 26, 2007

Project / Client FISH SITE KING

Renée Mulcrove, Gary Peterson, Drew Blankenship, Tad Alford

JULY 26, 2007

Arrived at site at 8:34 am

Took ~~upper~~ lower limit GPS yesterday.

Kick seines taken yesterday. Also

Established ~~upper~~ lower end of site.

Sampled downstream of bridge

pH = 7.99 Temp = 19.9 DO = 7.8

18.2 = Cond

Accy: 30 ft

N - 36.07896° } upper end

W - 94.82419°

Off site @ 11:15 am

Information above is for SITE 604

PICs 113 - 118

SITE 727 - above bridge

Coney Creek

347 ms - cond, 24.4 °C 7.91 pH

DO = 8.5

210 m: start point about 100 m upstream of bridge

PICs: 119, 120

John West, Gary Peterson, Renée Mulcrove, Drew Blankenship, Tad Alford

[signature] 7/26/07

8

Location RS-727 IRW Date 7/26/07

Project / Client Backpack Shocker – FISH SHOCKING

2nd Run 180/137

Stoneroller 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 (1 with Nematodes)
Red Bellied Dace 卌 卌 |||
Orange Throat Darter 卌 卌 卌 卌 卌 ||
YOY ||||
Stoneroller 卌 卌 卌 卌 |||

Stoneroller 卌 卌 卌 卌 卌 |||
YOY 卌
Orange Throat Darter 卌 卌 卌 |||
Red Bellied Dace 卌 |

3rd Riffle 180

Orange Throat Darter 卌 卌 卌 卌 卌 卌 卌 卌 卌 ||||
Stoneroller 卌 卌 卌 ||||

2nd Pool 180/180/180/180

Stoneroller 卌 卌 卌 卌 卌 卌 卌 ||
Orange Throat Darter 卌 卌 卌 卌 卌 ||||
YOY 卌 |
} 1st

[signature] 7/26/07

9

Location FISH SHOCKING Date 7/26/07

Project / Client IRW

Stoneroller 卌 卌 卌 卌 卌
Red Bellied Dace 卌
Orange Throat Darter 卌 卌 卌 ||
YOY |||
Green Sunfish |||
Mudtom |
} 2nd

Stoneroller 卌 ||||
Red Bellied Dace 卌
Orange Throat Darter 卌 |
} 3rd

Stoneroller 卌 ||||
Orange Throat Darter 卌 卌
Creek Chub |
Red Bellied Dace 卌 卌
} 4th

N 35.83766°
W 94.65262°
Accy 10 feet } upstream point

All riffles were bedrock, therefore we did not use the kick seine.

Downstream point N 35.83811 } 16 ft
W 94.65410 } accy

OBS 5:16 @ 6:00 pm

[signature] 7/26/07

10

Location _____ Date _____

Project / Client _____

11

Location _____ Date _____

Project / Client _____