

**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS  
NCTCOG STORMWATER QUALITY MONITORING PROJECT  
NCTCOG PROJECT ID 520795.03  
NORTH TEXAS TOLLWAY AUTHORITY 2008**

**Sample Collection Report  
Event Date: April 04, 2008**

Storm Summary

Storm description: Thunderstorms and associated heavy rain moved across the metroplex along a cold front that moved into the area from northwest to the southeast.

Rain event start time and date:	0345 04/04/08	Rainfall total:	0.27 in
Rain event end time and date:	0540 04/04/08	Peak 1-hr rate:	0.14 in/hr

Rainfall station:	NTTA 0801
Antecedent dry period:	84 hrs

Comments: The antecedent dry period was calculated from weather station KTXPLANO11 near Timber Brook - North East Plano for this event ([www.wunderground.com/weatherstation](http://www.wunderground.com/weatherstation)).

NTTA 0801

Station location description: Pittman Creek at PGBT and Alma.

Flow start time and date:	0340 04/04/08	Time first aliquot collected:	0348
Flow end time and date:	0835 04/04/08	Time last aliquot collected:	0551

Peak depth:	3.6 ft	Aliquots collected:	6
Average depth:	2.2 ft	Total sample volume:	3.5 gal

Comments: The flow end time and date are a result of the sampling equipment being removed at the conclusion of the sampling activities.

NTTA 0802

Station location description: Spring Creek Trib at PGBT and West Campbell Rd.

Flow start time and date:	0340 04/04/08	Time first aliquot collected:	0342
Flow end time and date:	0715 04/04/08	Time last aliquot collected:	0545
Peak depth:	1.0 ft	Aliquots collected:	6
Average depth:	0.6 ft	Total sample volume:	3.5 gal

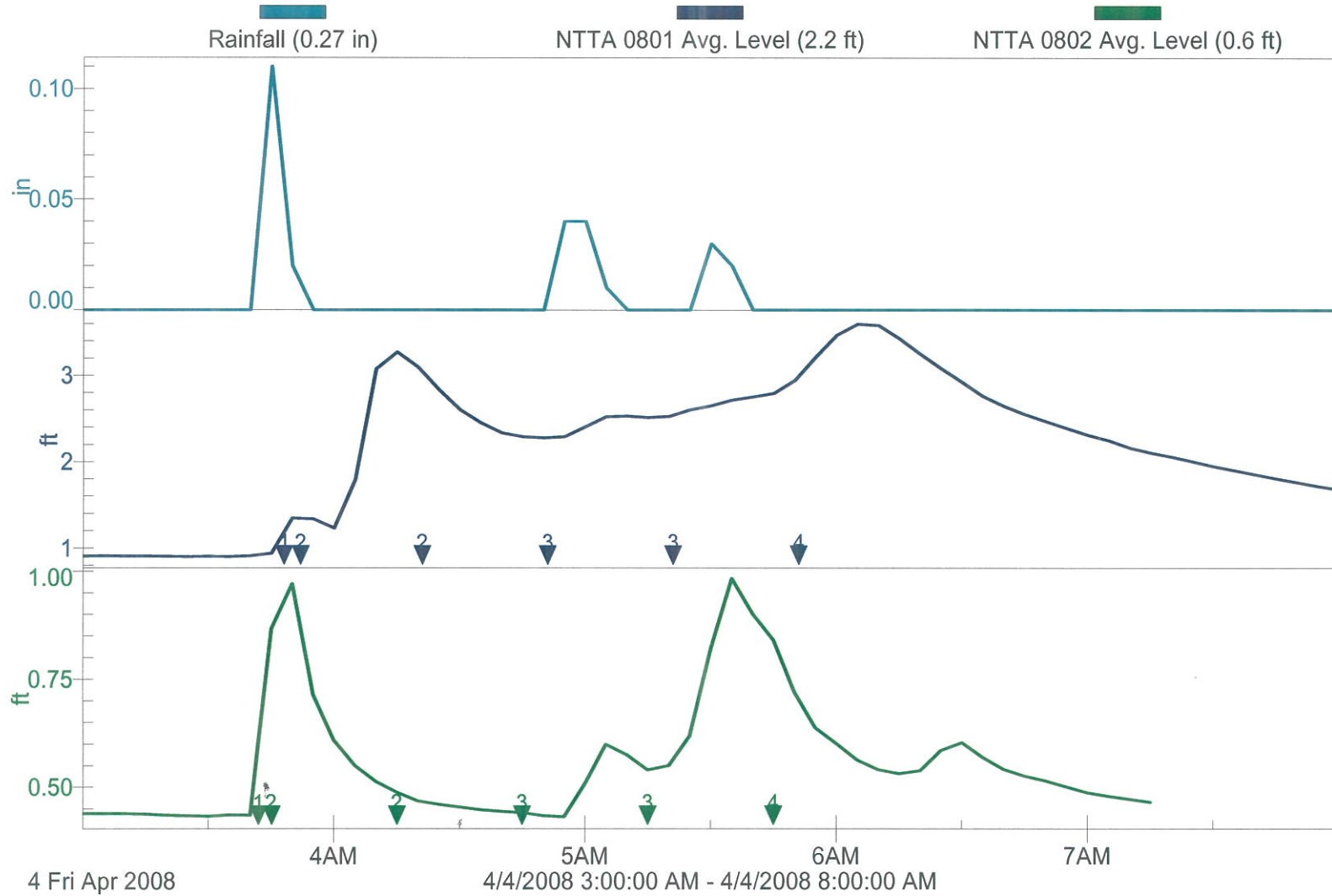
Comments: The flow end time and date are a result of the sampling equipment being removed at the conclusion of the sampling activities.

Prepared By: Pavitra Rammohan \_\_\_\_\_ Date: May 2, 2008 \_\_\_\_\_

Checked By: Chad Richards \_\_\_\_\_ Date: 6/3/08 \_\_\_\_\_

# NCTCOG NORTH TEXAS TOLLWAY AUTHORITY

NTTA 0801 & NTTA 0802



Analytical Results Summary  
NCTCOG Stormwater Quality Monitoring Project  
NCTCOG Project 520795.03  
North Texas Tollway Authority

Storm Event: 04/04/08 Project Number: 520795.03	NTTA 0801	NTTA 0802	
PARAMETER NAME	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	254	84.0	mg/L
Total Suspended Solids (TSS)	366.0	82.0	mg/L
Biochemical Oxygen Demand	16.1	5.04	mg/L
Chemical Oxygen Demand	26.0	10.2	mg/L
Total Nitrogen	<0.05 U	<0.05 U	mg/L
Phosphorus Dissolved	0.32 J	0.12 J	mg/L
Diazinon	<0.037 U	<0.037 U	µg/L
Arsenic Total	0.002 J	0.003 J	mg/L
Copper, Total	0.03190 J	0.02780 J	mg/L
Cadmium, Total	<0.001 U	<0.001 U	mg/L
Lead, Total	0.027 J	0.021 J	mg/L
Zinc, Total	0.096 J	0.049 J	mg/L
Chromium, Total	0.004 J	0.005 J	mg/L
Phosphorus, Total	0.38	0.15	mg/L
PARAMETER NAME	GRAB	GRAB	UNIT
Oil & Grease(HEM)	<1.40 U	1.50 J	mg/L
pH (lab)	6.99	7.51	su
pH (field)	8.66	8.34	su
Ambient Air Temperature (field)	60	60	°F
E. Coli	3,820	27,300	col/100 mL
Total Coliforms	870,000	1,410,000	col/100 mL

\* - Reported in mg/L and µg/L. The units mg/L and µg/L are equal to ppm and ppb, respectively.

- ">" - Not Identified Above the Upper Detection Limit
- "<" - Not Identified Below the Lower Detection Limit
- J - Positively Identified Below the Lower Detection Limit
- NST - No Sample Taken
- U - Undetected