

**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS  
NCTCOG STORMWATER QUALITY MONITORING PROJECT  
NCTCOG PROJECT ID 520795.03  
CITY OF PLANO 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: 0215 04/04/08	Rainfall total:	0.54 in
Rain event end time and date: 0620 04/04/08	Peak 1-hr rate:	0.29 in/hr

Rainfall station:	PL 0801
Antecedent dry period:	82 hrs

Comments: The antecedent dry period was calculated from weather station KTXPLANO11 in Timber Brook - North East Plano for this event (<http://home.roadrunner.com/~johnlarkins/wx.htm>).

PL 0801

Station location description: Rowlett Creek at Oak Point Park near Jupiter and Spring Creek Pkwy.

Flow start time and date: 0340 04/04/08	Time first aliquot collected: 0344
Flow end time and date: 0620 04/04/08	Time last aliquot collected: 0548

Peak depth: 7.6 ft	Aliquots collected: 6
Average depth: 3.2 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.

PL 0802

Station location description: Rowlett Creek at Park Blvd. E. in Bob Woodruff Park (South).

Flow start time and date: 0340 04/04/08	Time first aliquot collected: 0342
Flow end time and date: 0645 04/04/08	Time last aliquot collected: 0544

Peak depth:	7.9 ft	Aliquots collected:	6
Average depth:	4.1 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.

PL 0803

Station location description: Rowlett Creek at Los Rios Blvd.

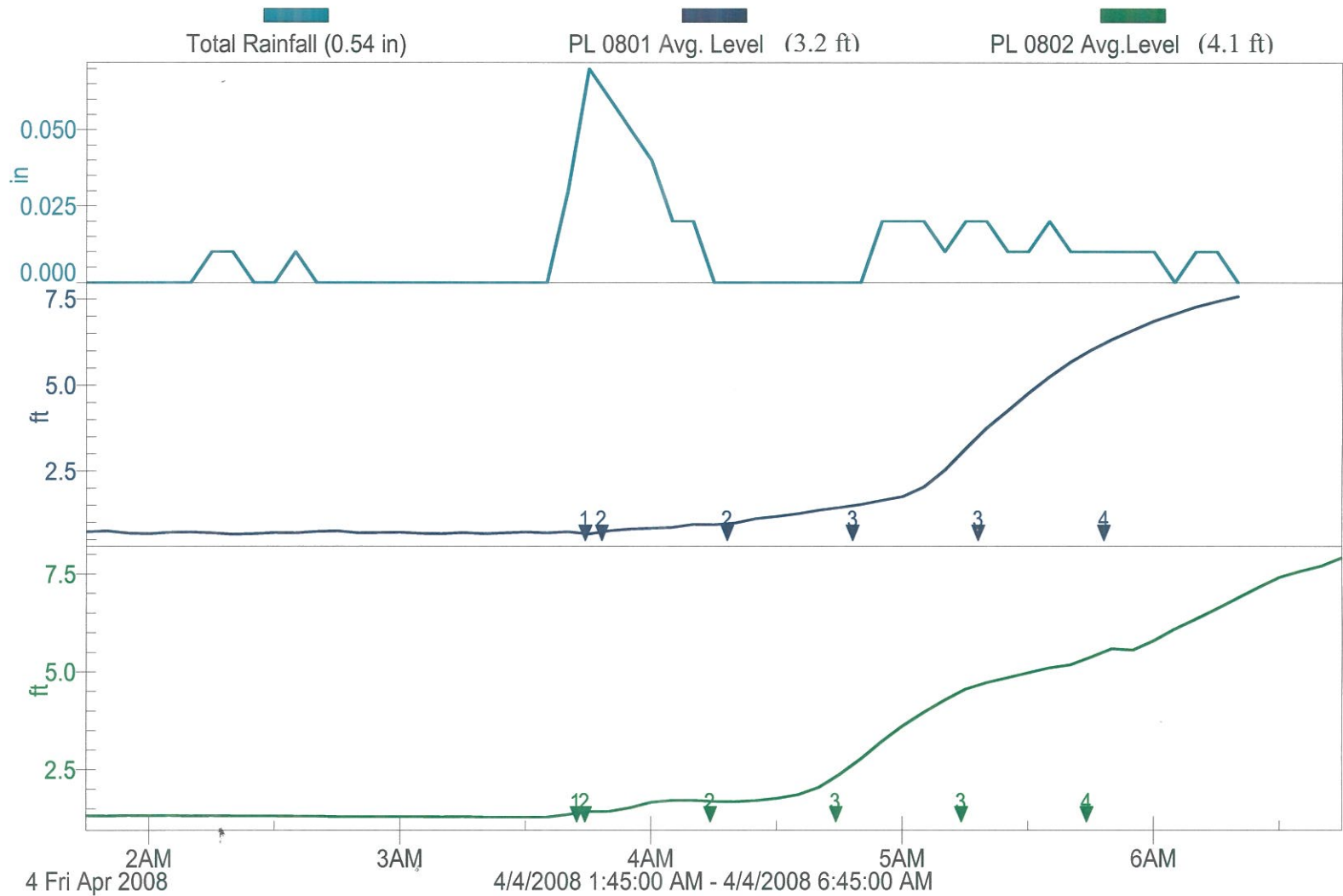
Comments: No sample taken. The sampler base was stolen during the previous quarter and another sampler base was on order.

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

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

# NCTCOG CITY OF PLANO

PL 0801 & PL 0802



Analytical Results Summary  
 NCTCOG Stormwater Quality Monitoring Project  
 NCTCOG Project 520795.03  
 CITY OF PLANO 2008

Storm Event: 04/04/08 Project Number: 520795.03	PL 0801	PL 0802	PL 0803	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	300	324	NST	mg/L
Total Suspended Solids (TSS)	1,874	2,340	NST	mg/L
Biochemical Oxygen Demand	5.58	6.93	NST	mg/L
Chemical Oxygen Demand	4.40	5.50	NST	mg/L
Total Nitrogen	1.0	<0.05 U	NST	mg/L
Phosphorus Dissolved	0.34 J	0.40 J	NST	mg/L
Diazinon	<0.037 U	<0.037 U	NST	µg/L
Arsenic Total	0.002 J	0.003 J	NST	mg/L
Copper, Total	0.02460 J	0.03090 J	NST	mg/L
Cadmium, Total	<0.001 U	<0.001 U	NST	mg/L
Lead, Total	0.022 J	0.035 J	NST	mg/L
Zinc, Total	0.046 J	0.079 J	NST	mg/L
Chromium, Total	0.003 J	0.004 J	NST	mg/L
Phosphorus, Total	0.35	0.43	NST	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	<1.40 U	5.90	NST	mg/L
pH (lab)	7.10	6.96	NST	su
pH (field)	8.20	8.05	NST	su
Ambient Air Temperature (field)	59	59	NST	°F
E. Coli	1,360	400	NST	col/100 mL
Total Coliforms	90,000	64,500	NST	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



PL 0803

Station location description: Rowlett Creek at Los Rios Blvd.

Flow start time and date: 2345 04/08/08

Flow end time and date: 0200 04/09/08

Time first aliquot collected: 2349 04/08/08

Time last aliquot collected: 0152 04/09/08

Peak depth: 8.6 ft

Aliquots collected: 6

Average depth: 1.6 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 \_\_\_\_\_

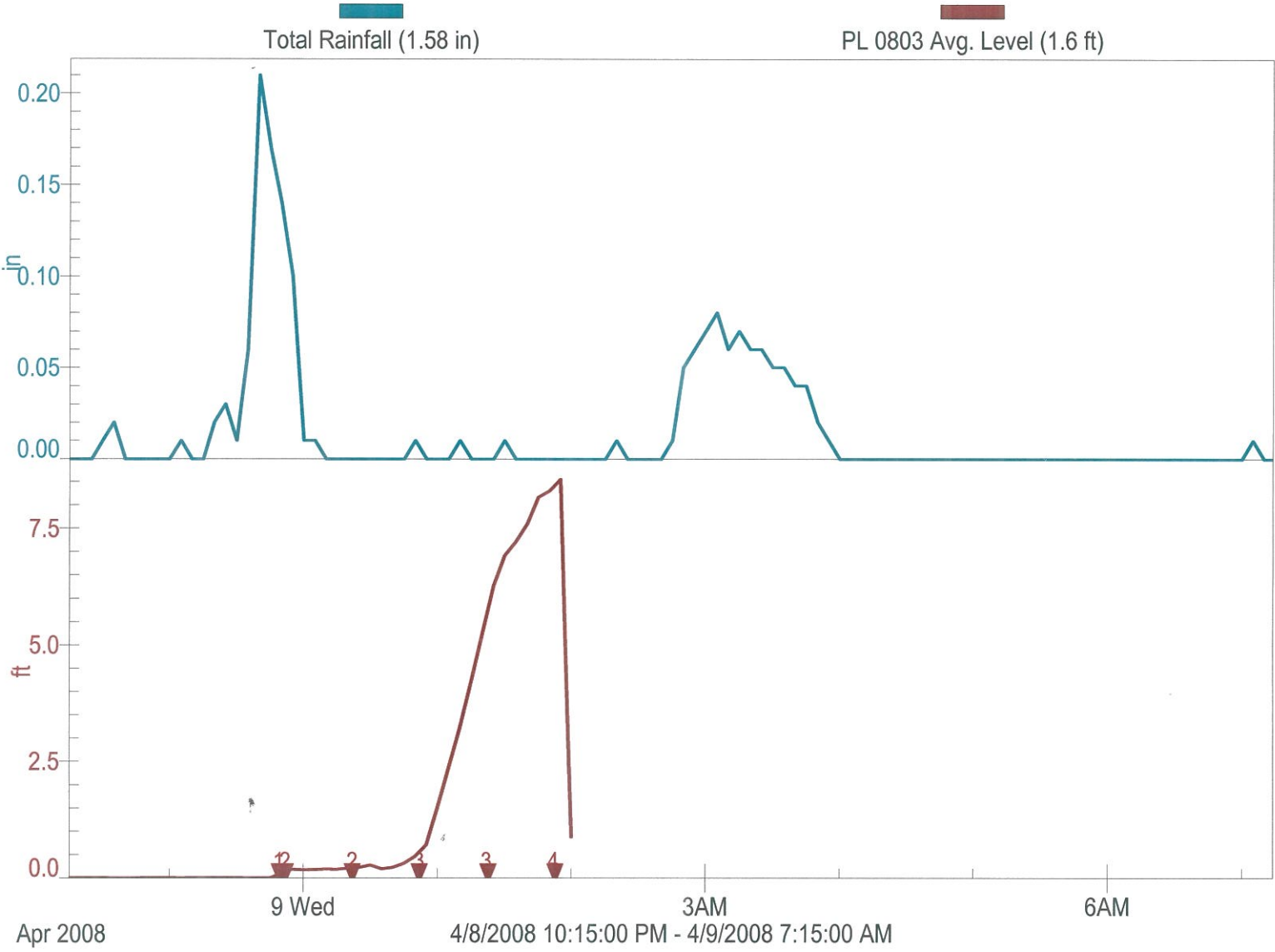
Date: May 2, 2008 \_\_\_\_\_

Checked By: Chad Dickerson

Date: 6/3/08

# NCTCOG CITY OF PLANO

PL 0803



Analytical Results Summary  
 NCTCOG Stormwater Quality Monitoring Project  
 NCTCOG Project 520795.03  
 CITY OF PLANO 2008

Storm Event: 04/08/08 Project Number: 520795.03	PL 0801	PL 0802	PL 0803	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	NST	NST	292	mg/L
Total Suspended Solids (TSS)	NST	NST	386.0	mg/L
Biochemical Oxygen Demand	NST	NST	6.54	mg/L
Chemical Oxygen Demand	NST	NST	<1.00 U	mg/L
Total Nitrogen	NST	NST	<0.05 U	mg/L
Phosphorus Dissolved	NST	NST	0.13 J	mg/L
Diazinon	NST	NST	<0.037 U	µg/L
Arsenic Total	NST	NST	0.005 J	mg/L
Copper, Total	NST	NST	0.02220 J	mg/L
Cadmium, Total	NST	NST	<0.001 U	mg/L
Lead, Total	NST	NST	0.048 J	mg/L
Zinc, Total	NST	NST	0.054 J	mg/L
Chromium, Total	NST	NST	0.006 J	mg/L
Phosphorus, Total	NST	NST	0.17	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	NST	NST	4.50 J	mg/L
pH (lab)	NST	NST	6.72	su
pH (field)	NST	NST	8.85	su
Ambient Air Temperature (field)	NST	NST	52	°F
E. Coli	NST	NST	3,640	col/100 mL
Total Coliforms	NST	NST	38,200	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