



**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
NCTCOG PROJECT ID 100024283
CITY OF PLANO 2012**

**Sample Collection Report
Event Date: April 3, 2012**

Storm Summary

Storm description: A line of severe thunderstorms moved across the region from the west bringing multiple tornados, hail, and heavy rain.

Rain event start time and date: 1305 4/3/12 Rainfall total: 0.24 in
Rain event end time and date: 1555 4/3/12 Peak 1-hr rate: 0.22 in/hr

Rainfall station: PL 1201
Antecedent dry period: 289 hrs

Comments: The antecedent dry period was calculated based on the data obtained from weather station KTXPLANO19 at Deerfield in Plano, for this event (www.wunderground.com/weatherstation).

PL 1201

Station location description: Preston-Hedgcoxe Plaza and White Rock Creek

Flow start time and date: 1515 4/3/12 Time first aliquot collected: 1536
Flow end time and date: 1740 4/3/12 Time last aliquot collected: 1739

Peak depth: 4.8 ft Aliquots collected: 6
Average depth: 3.0 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 1202

Station location description: North of Plano Parkway

Comments: Due to hazardous weather conditions, this sample was unable to be collected. Severe hail and tornadoes were in the Metroplex area.

Prepared By: Sue Shartzter_____

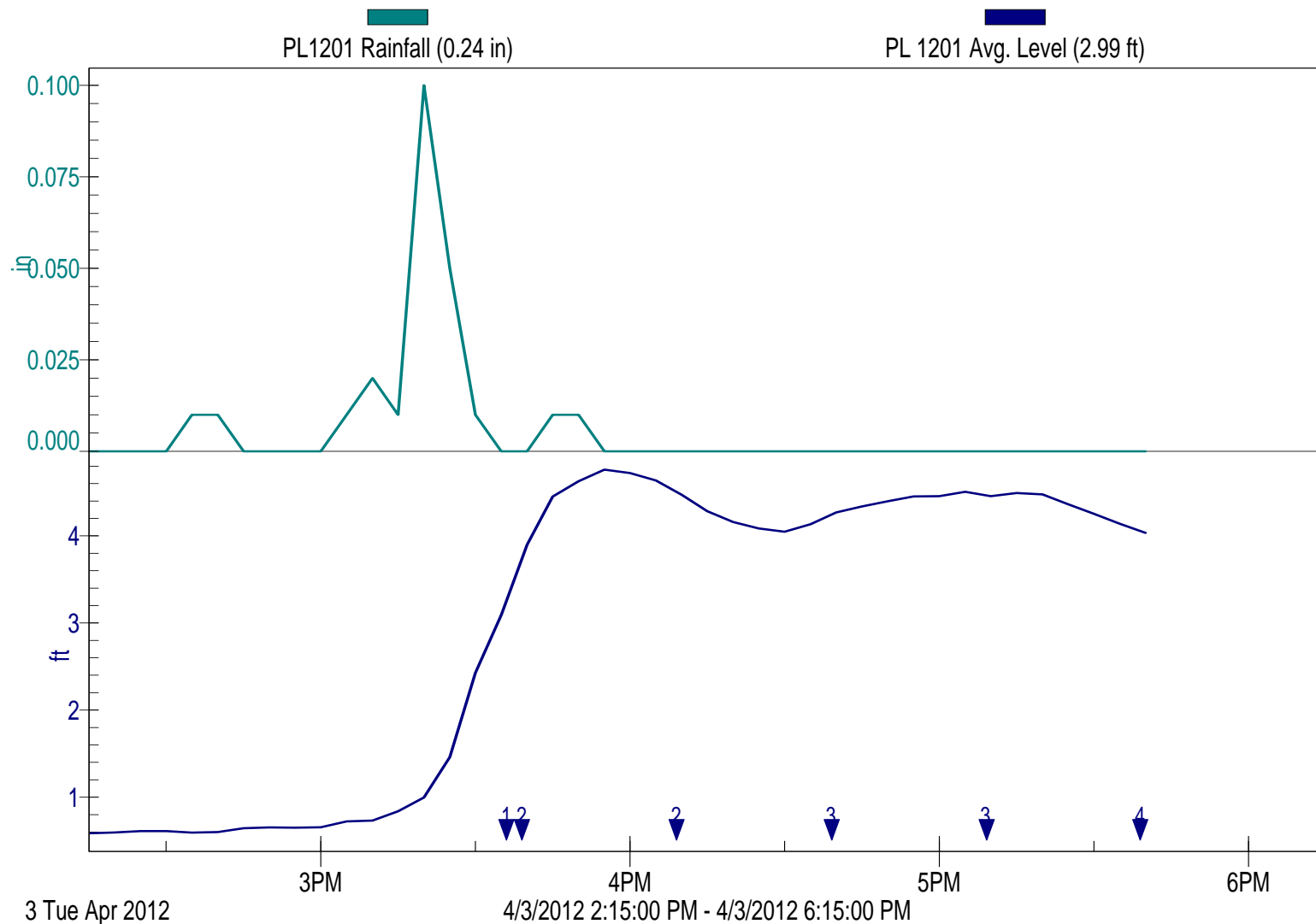
Date: May 7, 2012_____

Checked By: Chad Richards_____

Date: May 7, 2012_____

NCTCOG CITY OF PLANO

PL 1201



Analytical Results Summary
 NCTCOG Stormwater Quality Monitoring Project
 NCTCOG Project 100024283
 CITY OF PLANO 2012

Storm Event: 04/03/12 Project Number: 100024283	PL 1201	PL 1202	
PARAMETER NAME	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	152	NST	mg/L
Total Suspended Solids (TSS)	756.0	NST	mg/L
Biochemical Oxygen Demand	17.9	NST	mg/L
Chemical Oxygen Demand	91.0	NST	mg/L
Total Nitrogen	8.08	NST	mg/L
Phosphorus, Dissolved	0.01	NST	mg/L
Carbaryl	<0.060 U	NST	µg/L
Arsenic, Total	<0.002 U	NST	mg/L
Copper, Total	0.035	NST	mg/L
Lead, Total	0.009 J	NST	mg/L
Zinc, Total	0.046 J	NST	mg/L
Chromium, Total	0.010	NST	mg/L
Phosphorus, Total	<0.05 U	NST	mg/L
PARAMETER NAME	GRAB	GRAB	UNIT
Oil & Grease(HEM)	4.70 J	NST	mg/L
pH (field)	8.5	NST	su
Ambient Air Temperature (field)	67	NST	°F
Water Temperature (field)	69.1	NST	°F
E. Coli	320	NST	col/100 mL
Specific Conductivity	224	NST	µS/cm
Total Coliforms	28,000	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



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**Sample Collection Report
Event Date: April 8, 2012**

Storm Summary

Storm description: An area of showers and thunderstorms developed throughout the vicinity and proceeded to the southeast.

Rain event start time and date: 1230 4/8/12 Rainfall total: 0.45 in
Rain event end time and date: 1605 4/8/12 Peak 1-hr rate: 0.21 in/hr

Rainfall station: PL 1201
Antecedent dry period: 117 hrs

Comments: None.

PL 1201

Station location description: Preston-Hedgcoxe Plaza and White Rock Creek

Comments: A successful sample was collected at this site for this quarter on April 3, 2012.

PL 1202

Station location description: North of Plano Parkway

Flow start time and date: 1245 4/8/12 Time first aliquot collected: 1354
Flow end time and date: 1554 4/8/12 Time last aliquot collected: 1554

Peak depth: 2.0 ft Aliquots collected: 6
Average depth: 0.5 ft Total sample volume: 3.5 gal

Manual Aliquots Collected: 1354 4/8/12
1354 4/8/12
1424 4/8/12
1454 4/8/12
1524 4/8/12
1554 4/8/12

Comments: Flow was observed to be rising at the time of sample collection. Due to a malfunction with the automatic sampler the sample was collected manually. The flow end time and date are a result of the sampling equipment being removed at the conclusion of the sampling activities.

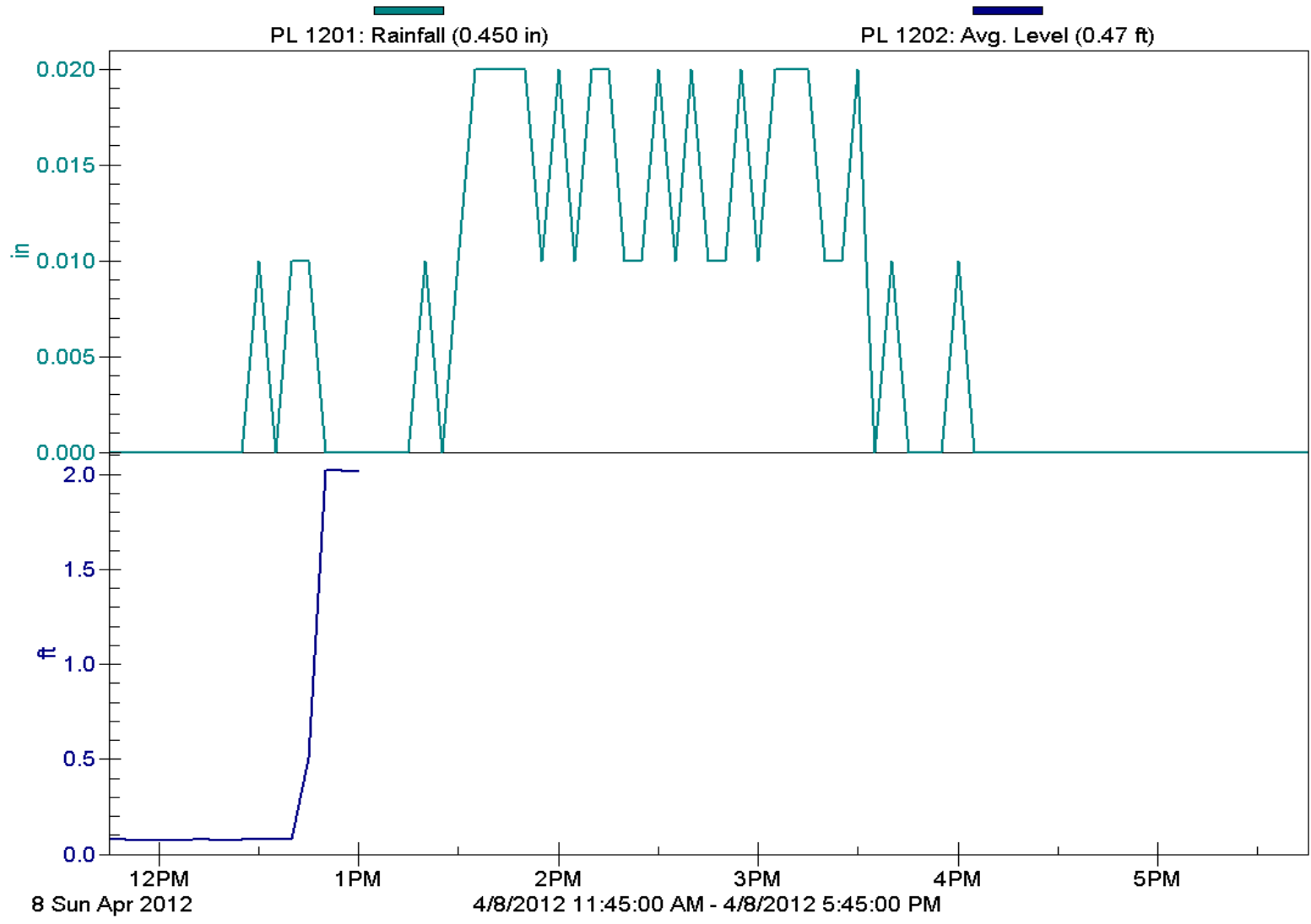
Prepared By: Sue Shartzler

Date: May 10, 2012

Checked By: Chad Richards

Date: May 10, 2012

NCTCOG CITY OF PLANO
PL 1202



Analytical Results Summary
 NCTCOG Stormwater Quality Monitoring Project
 NCTCOG Project 100024283
 CITY OF PLANO 2012

Storm Event: 04/08/12 Project Number: 100024283	PL 1201	PL 1202	
PARAMETER NAME	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	NST	306	mg/L
Total Suspended Solids (TSS)	NST	18.00	mg/L
Biochemical Oxygen Demand	NST	3.50	mg/L
Chemical Oxygen Demand	NST	7.00	mg/L
Total Nitrogen	NST	5.66	mg/L
Phosphorus, Dissolved	NST	0.09	mg/L
Carbaryl	NST	<0.060 U	µg/L
Arsenic, Total	NST	0.005 J	mg/L
Copper, Total	NST	0.029	mg/L
Lead, Total	NST	<0.004 U	mg/L
Zinc, Total	NST	0.015 J	mg/L
Chromium, Total	NST	<0.003 U	mg/L
Phosphorus, Total	NST	<0.05 U	mg/L
PARAMETER NAME	GRAB	GRAB	UNIT
Oil & Grease(HEM)	NST	<1.40 U	mg/L
pH (field)	NST	8.5	su
Ambient Air Temperature (field)	NST	68	°F
Water Temperature (field)	NST	70	°F
E. Coli	NST	4,000	col/100 mL
Specific Conductivity	NST	486	µS/cm
Total Coliforms	NST	60,000	col/100 mL

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

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