



**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
PROJECT ID 100042714
TEXAS DEPARTMENT OF TRANSPORTATION – DALLAS DISTRICT**

**Sample Collection Report
Event Date: April 5, 2015**

Storm Summary

Storm description: Large storms formed southwest of the Dallas Fort-Worth metroplex and moved across the region in an eastern direction bringing heavy rainfall.

Rain event start time and date: 0355 04/05/15 Rainfall total: 0.64 in
Rain event end time and date: 0930 04/05/15 Peak 1-hr rate: 0.42 in/hr

Rainfall station: TXDOT 1501
Antecedent dry period: 334 hrs

Comments: Antecedent dry period was calculated based on a combination of data from the weather station KRBD located at Dallas Redbird in southwestern Dallas, TX (www.wunderground.com/weatherstation) and TXDOT 1501.

TXDOT 1501

Station location description: Prairie Creek and Highway 175

Flow start time and date: 0700 04/05/15 Time first aliquot collected: 0710
Flow end time and date: 0930 04/05/15 Time last aliquot collected: 0917

Peak depth: 2.6 ft Aliquots collected: 6
Average depth: 0.9 ft Total sample volume: 3.5 gal

Comments: The flow end time and date are a result of the bubbler tubing being dislodged by high debris.

TXDOT 1502

Station location description: Highway 67 between Main and Daniieldale

Comments: High flows swept the suction line and bubbler tubing from the channel preventing successful collection of the sample.

Prepared By: Kyle McKee

Date: April 6, 2015

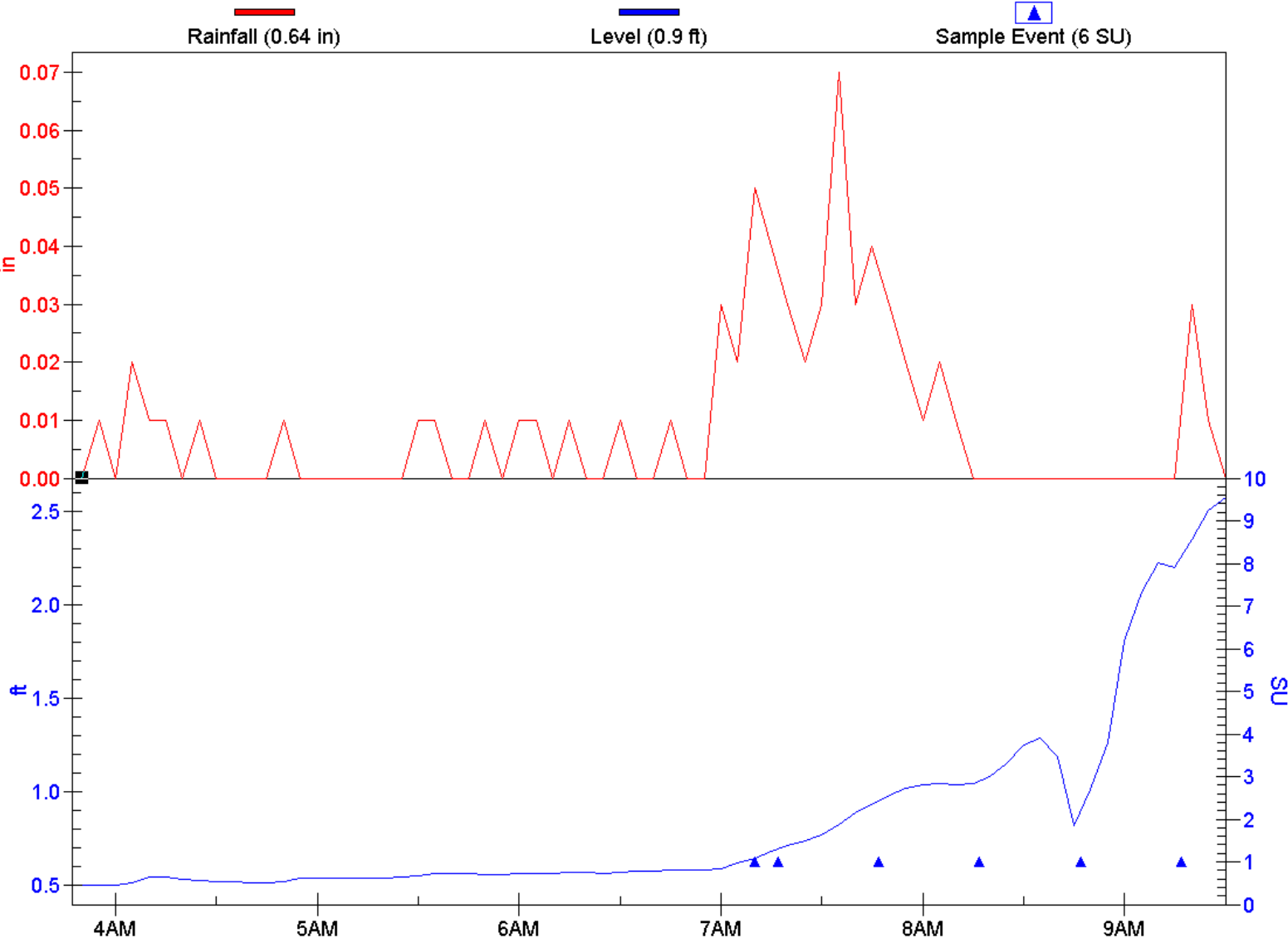
Checked By: Chad Richards

Date: May 28, 2015

4/5/2015 3:50, 0.000

Texas Department of Transportation

TXDOT 1501



5 Sun Apr 2015

4/5/2015 3:47:00 AM - 4/5/2015 9:30:00 AM

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Analytical Results Summary
 NCTCOG Stormwater Quality Monitoring Project
 NCTCOG Project 100042714

TEXAS DEPARTMENT OF TRANSPORTATION 2015

Storm Event: 04/05/2015 Project Number: 100042714	TX 1501	TX 1502	
PARAMETER NAME	COMPOSITE	COMPOSITE	UNIT
Total Dissolved Solids (TDS)	262	NA	mg/L
Total Suspended Solids (TSS)	148.6	NA	mg/L
Biochemical Oxygen Demand	8.46	NA	mg/L
Chemical Oxygen Demand	10.0	NA	mg/L
Total Nitrogen	4.20 J	NA	mg/L
Phosphorus, Dissolved	0.13	NA	mg/L
Carbaryl	< 0.060 U	NA	µg/L
Arsenic, Total	< 0.002 U	NA	mg/L
Copper, Total	0.026	NA	mg/L
Lead, Total	< 0.004 U	NA	mg/L
Zinc, Total	0.032	NA	mg/L
Chromium, Total	0.004 J	NA	mg/L
Phosphorus, Total	0.18	NA	mg/L
PARAMETER NAME	GRAB	GRAB	UNIT
Oil & Grease(HEM)	< 1.40 U	NA	mg/L
pH (field)	8.3	NA	su
Ambient Air Temperature (field)	52	NA	°F
Water Temperature (field)	58.4	NA	°F
E. Coli	2200	NA	col/100 mL
Specific Conductivity	412	NA	µS/cm
Total Coliforms	9000	NA	col/100 mL

">" - 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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TEXAS DEPARTMENT OF TRANSPORTATION – DALLAS DISTRICT**

**Sample Collection Report
Event Date: April 17, 2015**

Storm Summary

Storm description: Large storms formed west of the Dallas Fort-Worth metroplex and moved across the region in an eastern direction bringing heavy rainfall.

Rain event start time and date: 2050 04/17/15 Rainfall total: 0.60 in
Rain event end time and date: 2220 04/17/15 Peak 1-hr rate: 0.56 in/hr

Rainfall station: TXDOT 1502
Antecedent dry period: 103 hrs

Comments: Antecedent dry period was calculated based on a combination of data from the weather station KTXCEDAR53 located at Cedar Hill in southwestern Dallas, TX (www.wunderground.com/weatherstation) and TXDOT 1502.

TXDOT 1501

Station location description: Prairie Creek and Highway 175

Comments: A sample was successfully collected on 4/5/2015.

TXDOT 1502

Station location description: Highway 67 between Main and Daniieldale

Flow start time and date: 2055 04/17/15 Time first aliquot collected: 2107
Flow end time and date: 2315 04/17/15 Time last aliquot collected: 2311

Peak depth:	5.9 ft	Aliquots collected:	6
Average depth:	1.6 ft	Total sample volume:	3.5 gal

Comments: None.

Prepared By: Kyle McKee

Date: April 20, 2015

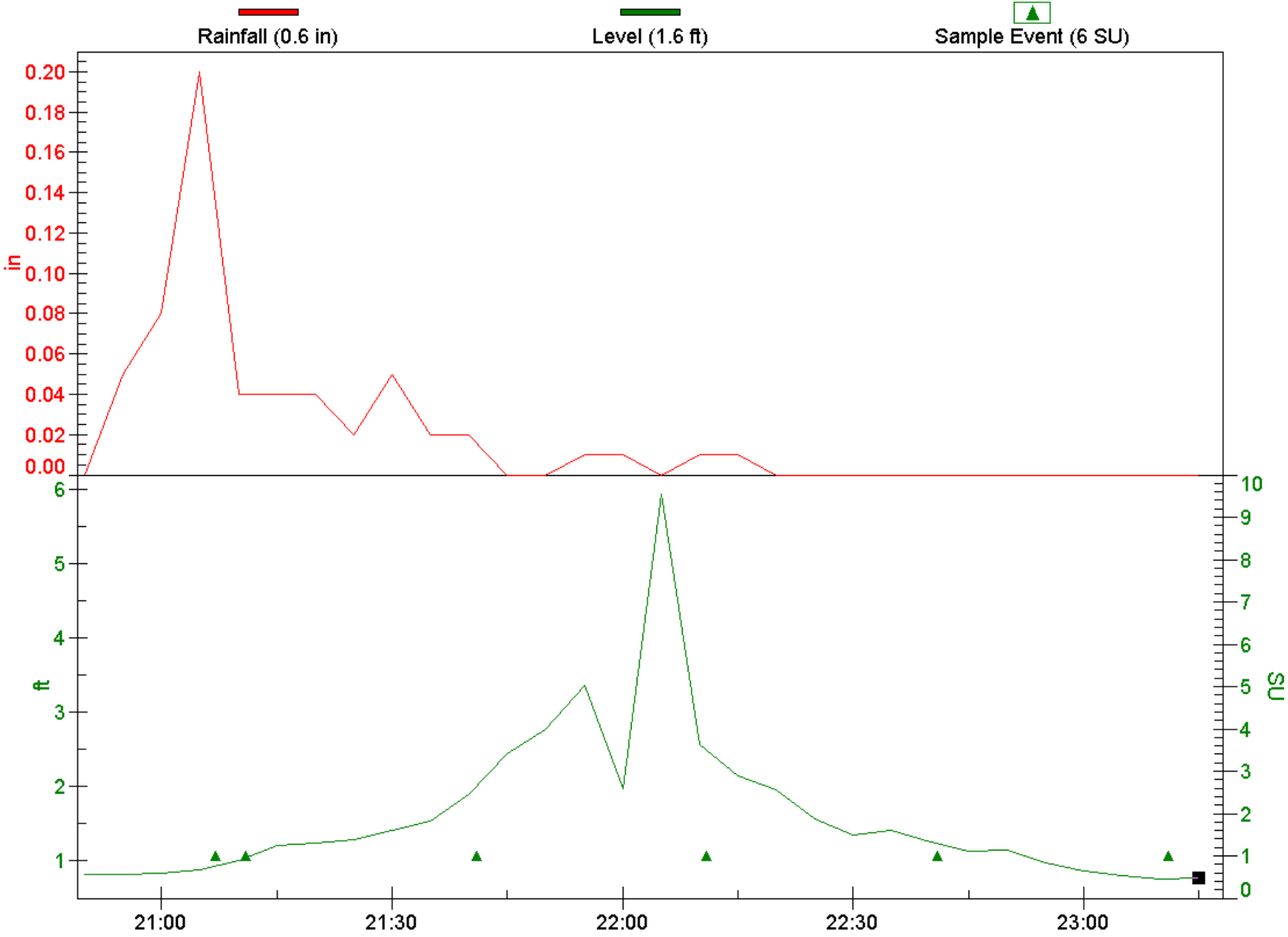
Checked By: Chad Richards

Date:

4/17/2015 23:15, 0.769

Texas Department of Transportation

TXDOT 1502



17 Fri Apr 2015

4/17/2015 8:49:00 PM - 4/17/2015 11:18:00 PM

100042714

Analytical Results Summary
 NCTCOG Stormwater Quality Monitoring Project
 NCTCOG Project 100042714

TEXAS DEPARTMENT OF TRANSPORTATION 2015

Storm Event: 04/17/2015 Project Number: 100042714	TX 1501	TX 1502	
PARAMETER NAME	COMPOSITE	COMPOSITE	UNIT
Total Dissolved Solids (TDS)	NA	132	mg/L
Total Suspended Solids (TSS)	NA	174.5	mg/L
Biochemical Oxygen Demand	NA	14.0	mg/L
Chemical Oxygen Demand	NA	25.0	mg/L
Total Nitrogen	NA	< 0.50 U	mg/L
Phosphorus, Dissolved	NA	0.11	mg/L
Carbaryl	NA	< 0.060 U	µg/L
Arsenic, Total	NA	< 0.002 U	mg/L
Copper, Total	NA	0.023	mg/L
Lead, Total	NA	< 0.004 U	mg/L
Zinc, Total	NA	0.055	mg/L
Chromium, Total	NA	0.044	mg/L
Phosphorus, Total	NA	0.18	mg/L
PARAMETER NAME	GRAB	GRAB	UNIT
Oil & Grease(HEM)	NA	< 1.40 U	mg/L
pH (field)	NA	8.4	su
Ambient Air Temperature (field)	NA	64	°F
Water Temperature (field)	NA	67.3	°F
E. Coli	NA	8000	col/100 mL
Specific Conductivity	NA	608	µS/cm
Total Coliforms	NA	21000	col/100 mL

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