NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
PROJECT ID 100031239
TEXAS DEPARTMENT OF TRANSPORTATION – DALLAS DISTRICT 2013

Sample Collection Report
Event Date: July 11, 2013

Storm Summary

Storm description: A line of light showers moved into the region from the northwest in the afternoon followed by scattered thunderstorms in the evening.

Rain event start time and date:	1705 07/11/13	Rainfall total:	0.57 in
Rain event end time and date:	1900 07/11/13	Peak 1-hr rate:	0.38 in/hr

Rainfall station:	TXDOT 1301
Antecedent dry period:	583 hrs

Comments: The antecedent dry period was calculated based on the data obtained from the City of Dallas Flood Control rainfall gauge 3055 located at CF Hawn Fwy and Bruton Rd (www.ci.dallas.tx.us/sts).

TX 1301

Station location description: Prairie Creek and Highway 175

Flow start time and date:	1705 07/11/13	Time first aliquot collected:	1705
Flow end time and date:	1925 07/11/13	Time last aliquot collected:	1920
Peak depth:	1.4 ft	Aliquots collected:	6
Average depth:	1.2 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 sampling activities.

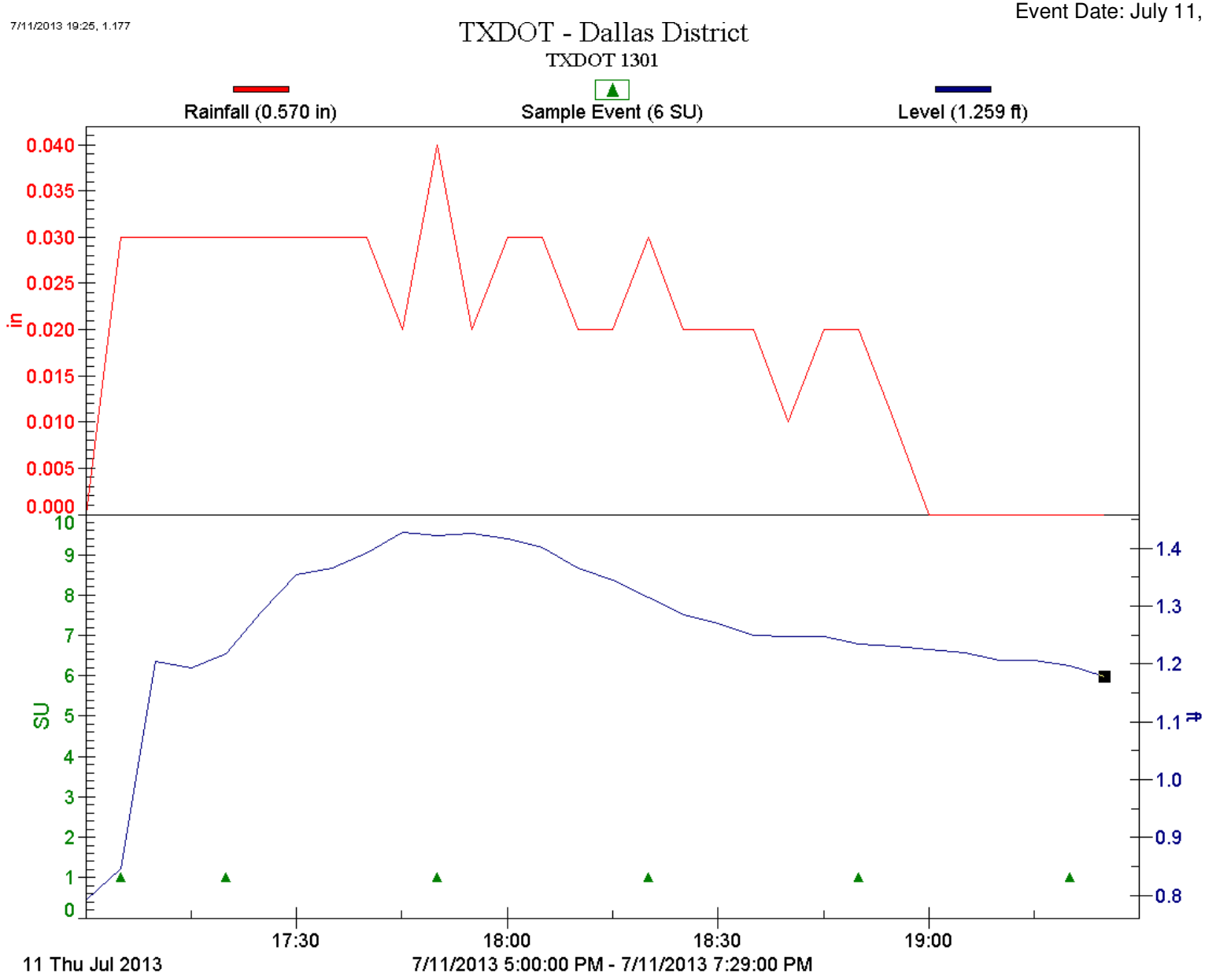
TX 1302

Station location description: Highway 67 Between Main and Danieldale

Comments: A qualifying rain amount did not occur at this station on this date.

Prepared By: Vinod Balakrishnan Date: July 18, 2013

Checked By: Chad Richards Date: August 21, 2013


7/11/2013 19:25, 1.177
TXDOT - Dallas District
TXDOT 1301
Rainfall (0.570 in)
Sample Event (6 SU)
Level (1.259 ft)
in
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
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SU
10
9
8
7
6
5
4
3
2
1
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ft
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1.3
1.2
1.1
1.0
0.9
0.8
17:30
18:00
18:30
19:00
11 Thu Jul 2013
7/11/2013 5:00:00 PM - 7/11/2013 7:29:00 PM

Analytical Results Summary
NCTCOG Stormwater Quality Monitoring Project
NCTCOG Project 100031239
TEXAS DEPARTMENT OF TRANSPORTATION 2013

Storm Event: 7/11/2013 Project Number: 100031239	**TxDOT 1301**	**TxDOT 1302**	
PARAMETER NAME	**COMPOSITE**	**COMPOSITE**	**UNIT**
Total Dissolved Solids (TDS)	344	NST	mg/L
Total Suspended Solids (TSS)	68.33	NST	mg/L
Biochemical Oxygen Demand	15.4	NST	mg/L
Chemical Oxygen Demand	38.4	NST	mg/L
Total Nitrogen	5.05	NST	mg/L
Phosphorus, Dissolved	0.16	NST	mg/L
Carbaryl	<0.060 U	NST	µg/L
Arsenic, Total	0.006 J	NST	mg/L
Copper, Total	0.023	NST	mg/L
Lead, Total	0.01	NST	mg/L
Zinc, Total	0.038 J	NST	mg/L
Chromium, Total	0.006 J	NST	mg/L
Phosphorus, Total	0.76	NST	mg/L
PARAMETER NAME	**GRAB**	**GRAB**	**UNIT**
Oil & Grease(HEM)	3.50 J	NST	mg/L
pH (field)	8.2	NST	su
Ambient Air Temperature (field)	85	NST	℉
Water Temperature (field)	87.3	NST	℉
E. Coli	11.0	NST	col/100 mL
Specific Conductivity	171	NST	µS/cm
Total Coliforms	35,000	NST	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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NCTCOG STORMWATER QUALITY MONITORING PROJECT
PROJECT ID 100031239
TEXAS DEPARTMENT OF TRANSPORTATION – DALLAS DISTRICT 2013

Sample Collection Report
Event Date: September 19, 2013

Storm Summary

Storm description: A large low pressure area associated with a colliding cool front and tropical air mass brought rainfall of light to medium intensity which was followed by heavier rainfall later during the night.

Rain event start time and date:	2045 09/19/13	Rainfall total:	0.16 in
Rain event end time and date:	0000 09/20/13	Peak 1-hr rate:	0.12 in/hr

Rainfall station:	TXDOT 1302
Antecedent dry period:	418 hrs

Comments: The TXDOT 1301 rain gauge was relocated to TXDOT 1302 site for this event to aid in obtaining accurate rainfall data. The rain gauge recorded a total rainfall of 0.16 inch. However, the last 0.01 inch of rainfall is not being taken into consideration here because it fell after the last sample aliquot was collected.

TX 1301

Station location description: Prairie Creek and Highway 175

Comments: A successful sample was collected at this site on 07/11/2013.

TX 1302

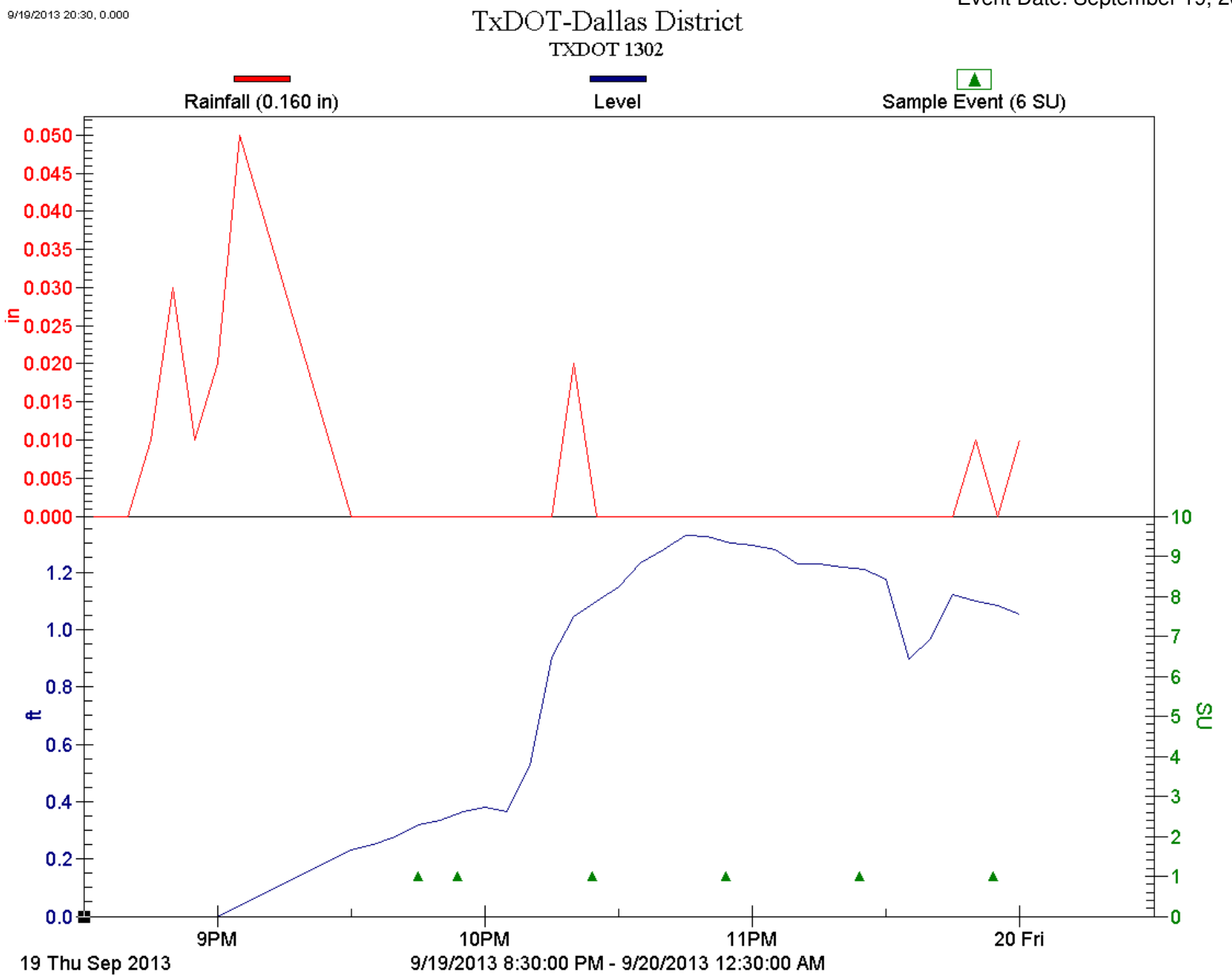
Station location description: Highway 67 Between Main and Danieldale

Flow start time and date:	2135 09/19/13	Time first aliquot collected:	2145
Flow stop time and date:	0000 09/20/13	Time last aliquot collected:	2354
Peak depth:	1.3 ft	Aliquots collected:	6
Average depth:	0.9 ft	Total sample volume:	3.5 gal

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

Prepared By: Vinod Balakrishnan Date: September 25, 2013

Checked By: Chad Richards Date: October 15, 2013


9/19/2013 20:30, 0.000
TxDOT-Dallas District
TXDOT 1302
Rainfall (0.160 in)
Level
Sample Event (6 SU)
in
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
ft
1.2
1.0
0.8
0.6
0.4
0.2
0.0
SU
10
9
8
7
6
5
4
3
2
1
0
9PM
10PM
11PM
20 Fri
19 Thu Sep 2013
9/19/2013 8:30:00 PM - 9/20/2013 12:30:00 AM

Analytical Results Summary
NCTCOG Stormwater Quality Monitoring Project
NCTCOG Project 100031239
TEXAS DEPARTMENT OF TRANSPORTATION 2013

Storm Event: 9/19/2013 Project Number: 100031239	**TxDOT 1301**	**TxDOT 1302**	
PARAMETER NAME	**COMPOSITE**	**COMPOSITE**	**UNIT**
Total Dissolved Solids (TDS)	NST	242	mg/L
Total Suspended Solids (TSS)	NST	18.33	mg/L
Biochemical Oxygen Demand	NST	9.80	mg/L
Chemical Oxygen Demand	NST	22.0	mg/L
Total Nitrogen	NST	0.19 J	mg/L
Phosphorus, Dissolved	NST	0.01	mg/L
Carbaryl	NST	<0.060 U	µg/L
Arsenic, Total	NST	<0.002 U	mg/L
Copper, Total	NST	0.030	mg/L
Lead, Total	NST	<0.004 U	mg/L
Zinc, Total	NST	0.027	mg/L
Chromium, Total	NST	0.006 J	mg/L
Phosphorus, Total	NST	0.19	mg/L
PARAMETER NAME	**GRAB**	**GRAB**	**UNIT**
Oil & Grease(HEM)	NST	<1.40 U	mg/L
pH (field)	NST	8.7	su
Ambient Air Temperature (field)	NST	73	ºF
Water Temperature (field)	NST	79.7	ºF
E. Coli	NST	5.00	col/100 mL
Specific Conductivity	NST	424	µS/cm
Total Coliforms	NST	72,000	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