



**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
PROJECT ID 100042714
CITY OF GARLAND**

**Sample Collection Report
Event Date: August 24, 2015**

Storm Summary

Storm description: A storm formed south of Rowlett and moved north across the Garland monitoring sites from downstream to upstream bringing heavy rainfall.

Rain event start time and date: 1556 08/24/15 Rainfall total: 0.77 in
Rain event end time and date: 1702 08/24/15 Peak 1-hr rate: 0.76 in/hr

Rainfall station: KTXGARLA14
Antecedent dry period: 1130 hrs

Comments: The storm summary was obtained using data from station KTXGARLA14 located at Westshore Estates, Garland (www.wunderground.com/weatherstation).

GA 1501

Station location description: Rowlett Creek at SH 78

Flow start time and date: 1625 08/24/15 Time first aliquot collected: 1644
Flow end time and date: 1905 08/24/15 Time last aliquot collected: 1849

Peak depth: 2.2 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.

GA 1502

Station location description: Rowlett Creek at Centerville Road/Castle Drive

Flow start time and date: 1630 08/24/15 Time first aliquot collected: 1700
Flow end time and date: 1906 08/24/15 Time last aliquot collected: 1906

Peak depth: 2.9 ft Aliquots collected: 6
Average depth: 2.1 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. Three extra aliquots are shown in the graph preceding the first aliquot collected at 1700 that were not collected.

GA 1503

Station location description: Rowlett Creek at Hwy 66

Flow start time and date: 1600 08/24/15 Time first aliquot collected: 1600
Flow end time and date: Unknown Time last aliquot collected: 1804

Peak depth: 1.0 (est.) Aliquots collected: 6
Average depth: Unknown Total sample volume: 3.5 gal

Comments: Due to an error during the downloading sequence the level data was overwritten.

Prepared By: Kyle McKee

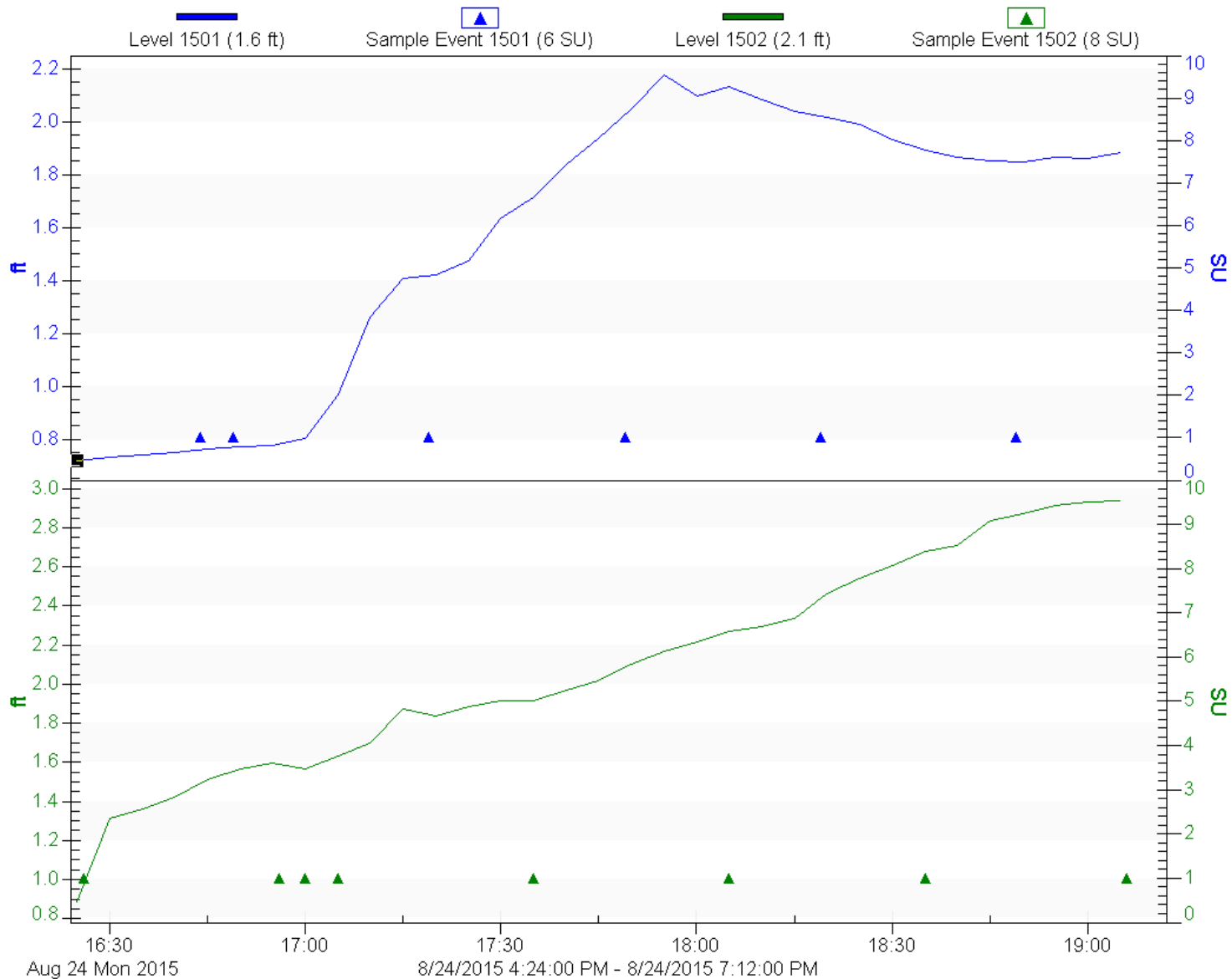
Date: September 9, 2015

Checked By: Chad Richards

Date: October 15, 2015

8/24/2015 16:25, 0.718

City of Garland GA 1501 and GA 1502



Analytical Results Summary
 NCTCOG Stormwater Quality Monitoring Project
 NCTCOG Project 100042714

CITY OF GARLAND 2015

Storm Event: 08/24/2015 Project Number: 100042714	GA 1501	GA 1502	GA 1503	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT
Total Dissolved Solids (TDS)	276	452	364	mg/L
Total Suspended Solids (TSS)	249.0	136.7	60.86	mg/L
Biochemical Oxygen Demand	14.0	15.7	19.6	mg/L
Chemical Oxygen Demand	25.0	28.0	35.0	mg/L
Total Nitrogen	13.0	35.1	37.0	mg/L
Phosphorus, Dissolved	0.10	0.91	0.60	mg/L
Carbaryl	< 0.060 U	< 0.060 U	< 0.060 U	µg/L
Arsenic, Total	< 0.002 U	< 0.002 U	< 0.002 U	mg/L
Copper, Total	0.018 J	0.016 J	0.014 J	mg/L
Lead, Total	< 0.004 U	< 0.004 U	< 0.004 U	mg/L
Zinc, Total	0.071	0.047	0.046	mg/L
Chromium, Total	< 0.003 U	< 0.003 U	< 0.003 U	mg/L
Phosphorus, Total	1.00	1.44	0.60	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	< 1.40 U	< 1.40 U	< 1.40 U	mg/L
pH (field)	8.4	6.8	6.2	su
Ambient Air Temperature (field)	84	90	90	°F
Water Temperature (field)	83.8	82.8	82.3	°F
E. Coli	60.00	110.0	100.0	col/100 mL
Specific Conductivity	1194	750	728	µS/cm
Total Coliforms	4000	2250	3250	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