NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
PROJECT ID 100031239
CITY OF GARLAND 2012

Sample Collection Report
Event Date: December 14, 2012

Storm Summary

Storm description: An area of low pressure moved across the region bringing light showers to the area.

Rain event start time and date: 1245 12/14/12 Rainfall total: 0.16 in
Rain event end time and date: 1445 12/14/12 Peak 1-hr rate: 0.11 in/hr

Rainfall station: GA 1201
Antecedent dry period: 1475 hrs

Comments: None.

GA 1201

Station location description: Duck Creek at Shiloh Bridge

Flow start time and date: 1400 12/14/12 Time first aliquot collected: 1444
Flow end time and date: 1700 12/14/12 Time last aliquot collected: 1659

Peak depth:	1.0 ft	Aliquots collected:	6
Average depth:	0.4 ft	Total sample volume:	3.5 gal

Comments: The flow end time and date and peak depth are a result of the sampling equipment being removed at the conclusion of the sampling activities. Aliquots were collected manually using the automatic sampler.

GA 1202

Station location description: Duck Creek between Forest North and South

Flow start time and date: 1502 12/14/12 Time first aliquot collected: 1503
Flow end time and date: Unknown Time last aliquot collected: 1707

Peak depth:	Unknown	Aliquots collected:	6
Average depth:	Unknown	Total sample volume:	3.5 gal

Comments: The bubbler module experienced a malfunction. A rise in the stream of 3 to 4 inches was observed by the field crew and the sampler was initiated manually.

GA 1203

Station location description: Duck Creek under La Prada Bridge

Flow start time and date:	1604	Time first aliquot collected:	1606
Flow end time and date:	Unknown	Time last aliquot collected:	1810
Peak depth:	Unknown	Aliquots collected:	6
Average depth:	Unknown	Total sample volume:	3.5 gal

Comments: The bubbler module experienced a malfunction. A rise in the stream of 3 inches was observed by the field crew and the sampler was initiated manually.

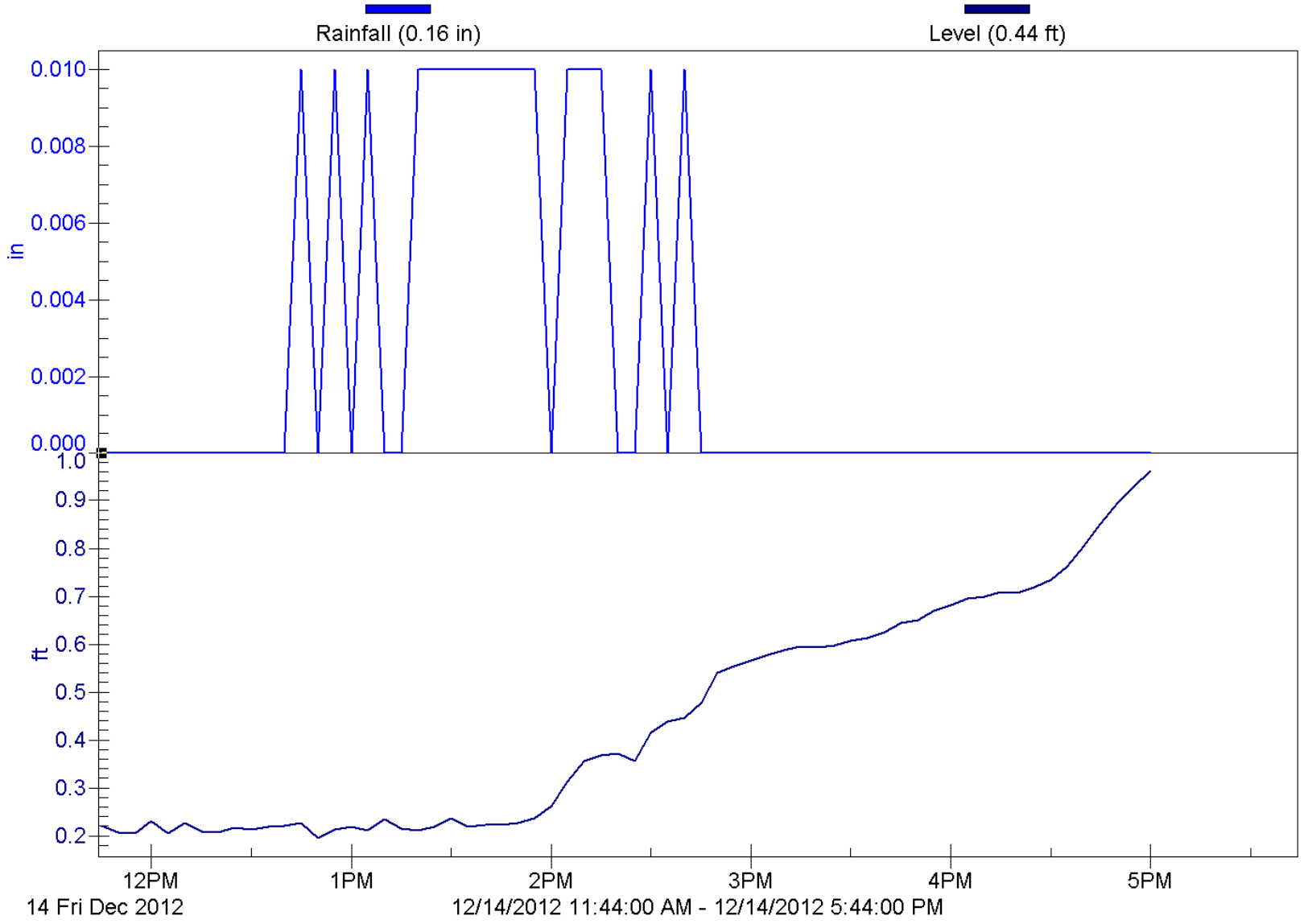
Prepared By: Chad Richards Date: January 16, 2013

Checked By: Kofi Sam Date: January 16, 2013

12/14/2012 11:45, 0.000

GA 1201

Flowlink 5



Analytical Results Summary
NCTCOG Stormwater Quality Monitoring Project
NCTCOG Project 100031239
CITY OF GARLAND 2012

Storm Event: 12/14/12 Project Number: 100031239	**GA 1201**	**GA 1202**	**GA 1203**	
PARAMETER NAME	**COMPOSITE**	**COMPOSITE**	**COMPOSITE**	**UNIT***
Total Dissolved Solids (TDS)	402	316	506	mg/L
Total Suspended Solids (TSS)	120.0	65.00	21.33	mg/L
Biochemical Oxygen Demand	8.21	37.6	3.36	mg/L
Chemical Oxygen Demand	58.0	73.0	<1.00 U	mg/L
Total Nitrogen	8.88	13.2	16.4	mg/L
Phosphorus, Dissolved	0.08	0.02	0.02	mg/L
Carbaryl	<0.060 U	<0.060 U	<0.060 U	µg/L
Arsenic, Total	<0.002 U	0.002 J	0.002 J	mg/L
Copper, Total	0.024	0.027	0.024	mg/L
Lead, Total	<0.004 U	0.006 J	<0.004 U	mg/L
Zinc, Total	0.064	0.085	0.054	mg/L
Chromium, Total	0.004 J	0.003 J	<0.003 U	mg/L
Phosphorus, Total	0.07 J	0.24	<0.05 U	mg/L
PARAMETER NAME	**GRAB**	**GRAB**	**GRAB**	**UNIT**
Oil & Grease(HEM)	1.82 J	1.67 J	1.78 J	mg/L
pH (field)	8.2	7.8	7.2	su
Ambient Air Temperature (field)	54	53	55	ºF
Water Temperature (field)	55.6	55.3	63.1	ºF
E. Coli	25,000	30,000	1,000	col/100 mL
Specific Conductivity	360	484	913	µS/cm
Total Coliforms	150,000	148,000	22,000	col/100 mL

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

">" - 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