

**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
NCTCOG PROJECT ID 100024283
City of Arlington 2012**

**Sample Collection Report
Event Date: October 14, 2012**

Storm Summary

Storm description: Thunderstorms developed across the metroplex that moved into the area from west northwest to east southeast.

Rain event start time and date: 0115 10/14/12 Rainfall total: 0.66 in
Rain event end time and date: 0155 10/14/12 Peak 1-hr rate: 0.65 in/hr

Rainfall station: AR1201
Antecedent dry period: 312 hrs

Comments: Antecedent dry period determined by the Arlington Municipal Airport weather station (KGKY) from www.weatherunderground.com.

AR 1201

Station location description: Johnson Creek at Matlock Road

Flow start time and date: 0125 10/14/12 Time first aliquot collected: 0128
Flow end time and date: 0600 10/14/12 Time last aliquot collected: 0331

Peak depth: 1.21 ft Aliquots collected: 6
Average depth: 0.25 ft Total sample volume: 3.5 gal

Comments:

AR 1202

Station location description: Johnson Creek at Meadowbrook Park

Flow start time and date: 0120 10/14/12 Time first aliquot collected: 0127
Flow end time and date: 0600 10/14/12 Time last aliquot collected: 0331

Peak depth: 0.87 ft Aliquots collected: 6
Average depth: 0.27 ft Total sample volume: 3.5 gal

Comments: Bubbler sensor appears to have malfunctioned, providing periodic fluctuations in readings. Peak depth estimate is likely overstated.

AR 1203

Station location description: Johnson Creek at E. Copeland Road

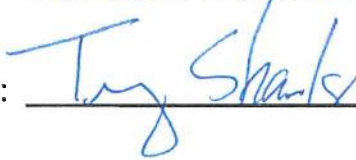
Flow start time and date: 0115 10/14/12 Time first aliquot collected: 0132
Flow end time and date: 0500 10/14/12 Time last aliquot collected: 0335

Peak depth: 0.80 ft Aliquots collected: 6
Average depth: 0.02 ft Total sample volume: 3.5 gal

Comments: Bubbler sensor appears to have malfunctioned, providing periodic fluctuations in readings. Peak depth estimate is likely overstated.

Prepared By: 

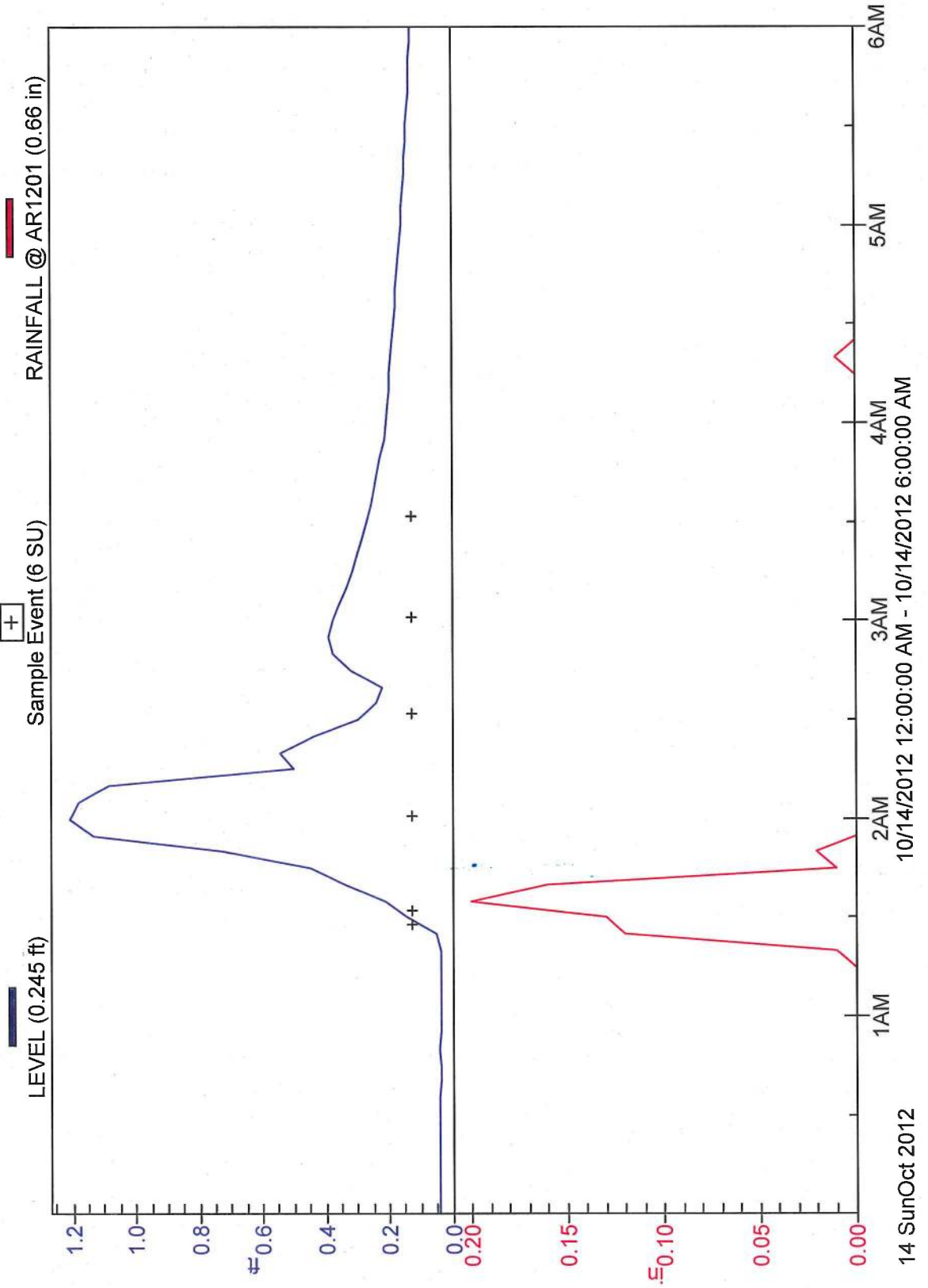
Date: 12/12/12

Checked By: 

Date: 12-12-12

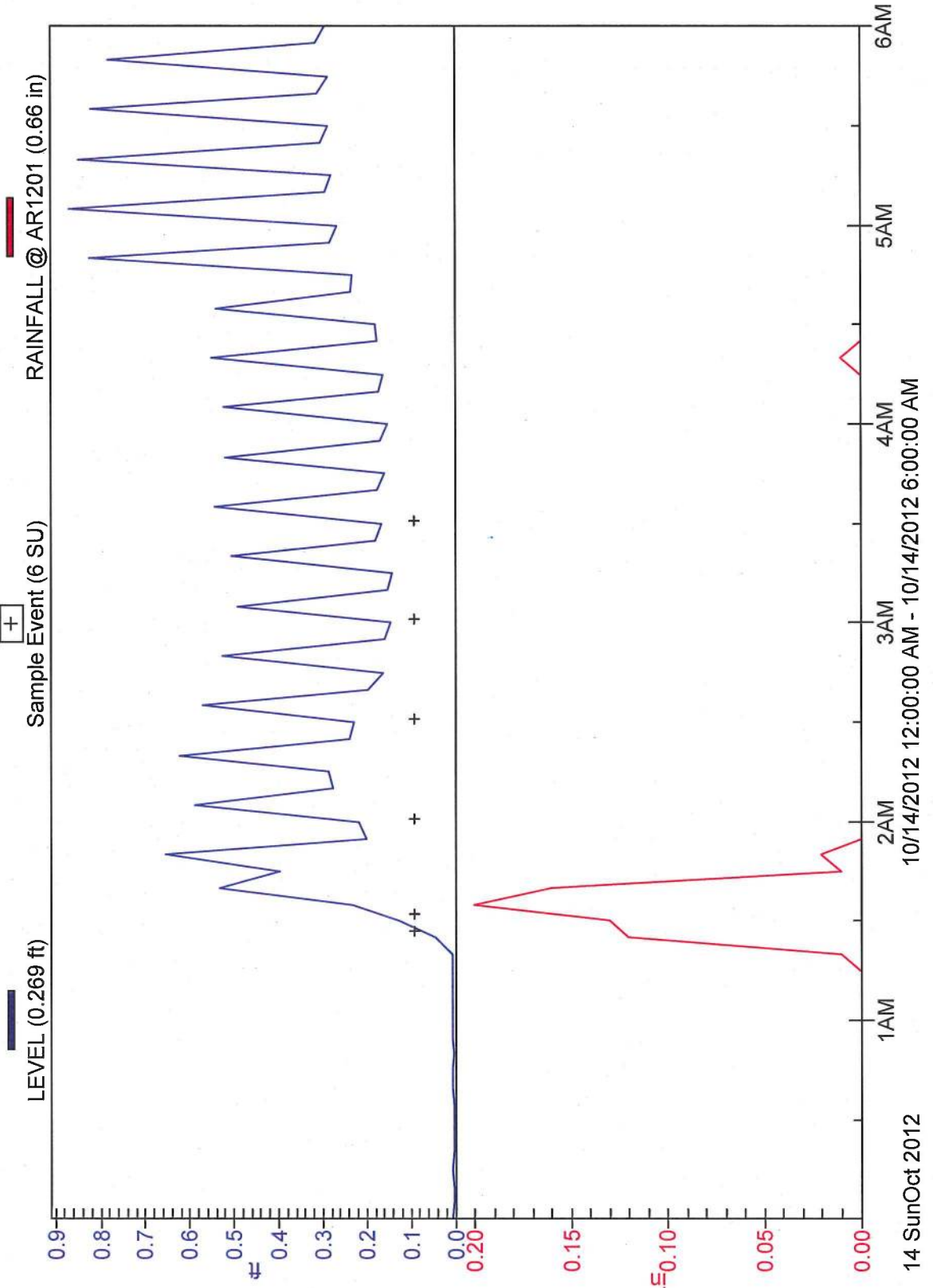
ARLINGTON JOHNSON CREEK

AR1201-4th Quarter



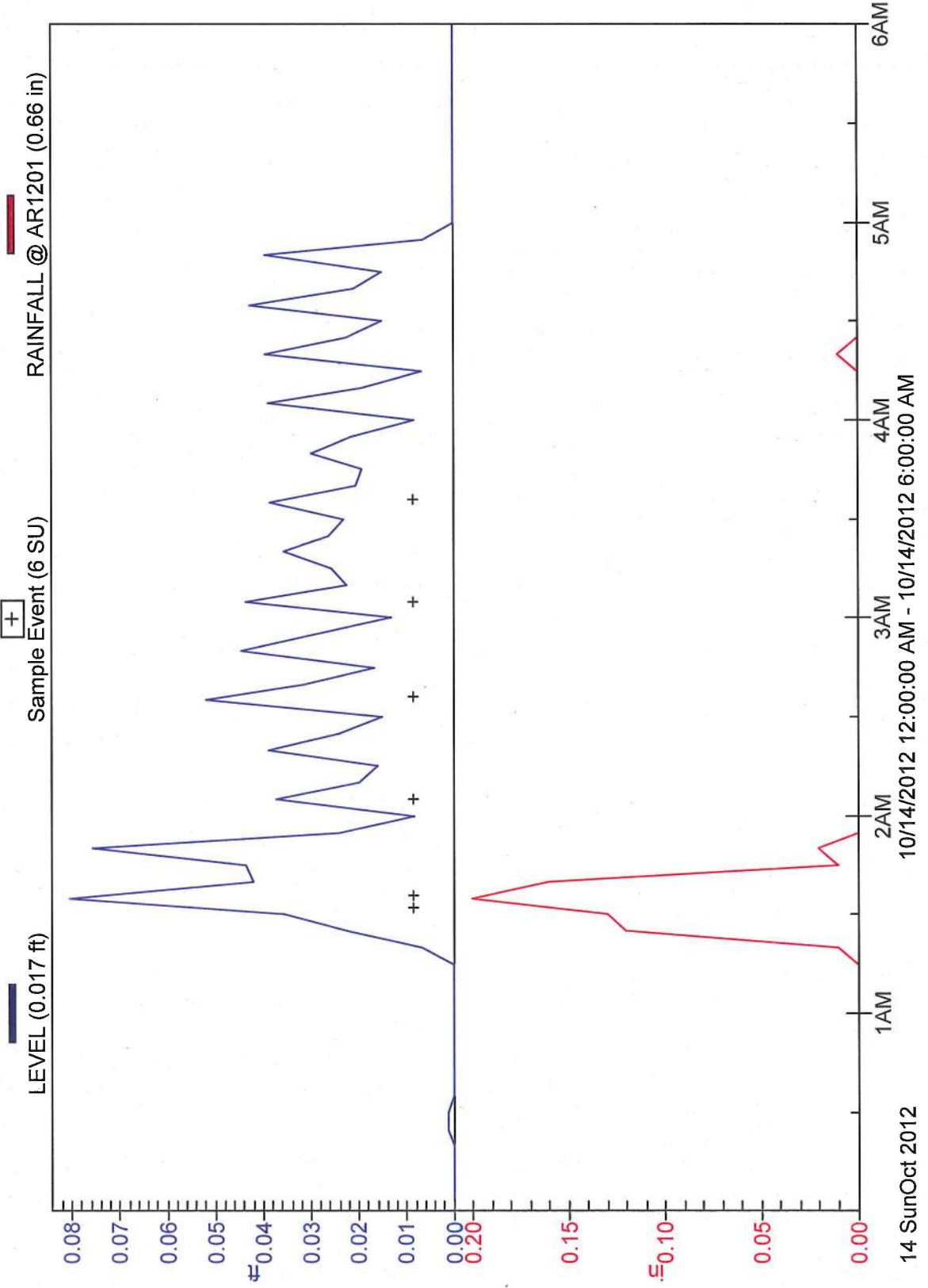
ARLINGTON JOHNSON CREEK

ARI1202-4th Quarter



ARLINGTON JOHNSON CREEK

AR1203-4th Quarter



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

Storm Event: 10/14/12 Project Number: 100031239	AR 1201	AR 1202	AR 1203	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	92.0	112	210	mg/L
Total Suspended Solids (TSS)	250.0	366.0	201.0	mg/L
Biochemical Oxygen Demand	19.0	50.2	28.4	mg/L
Chemical Oxygen Demand	32.0	96.0	62.0	mg/L
Total Nitrogen	12.2	14.4	12.9	mg/L
Phosphorus, Dissolved	0.03	0.04	0.03	mg/L
Carbaryl	<0.060 U	<0.060 U	<0.060 U	µg/L
Arsenic, Total	0.004 J	0.004 J	0.004 J	mg/L
Copper, Total	0.019	0.028	0.029	mg/L
Lead, Total	0.008 J	0.041	0.004 J	mg/L
Zinc, Total	0.030 J	0.037 J	0.030 J	mg/L
Chromium, Total	0.004 J	0.008 J	0.004 J	mg/L
Phosphorus, Total	0.17	0.29	0.23	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	14.1	12.1	9.90	mg/L
pH (field)	8.5	8.5	8.5	su
Ambient Air Temperature (field)	70	70	70	°F
Water Temperature (field)	70	71	70	°F
E. Coli	<1.00 U	<1.00 U	2,500	col/100 mL
Specific Conductivity	217	185	188	µS/cm
Total Coliforms	7,000	150,000	80,000	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