

**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
NCTCOG PROJECT ID 100037643
City of Arlington 2014**

**Sample Collection Report
Event Date: April 6, 2014**

Storm Summary

Storm description: Heavy rain moving southwest to northeast.

Rain event start time and date:	0420 4/6/14	Rainfall total:	0.25 in
Rain event end time and date:	0110 4/7/14	Peak 1-hr rate:	0.09 in/hr

Rainfall station:	AR1401
Antecedent dry period:	514.5 hrs

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

AR 1401

Station location description: Rush Creek @ W. Sublet Road

Comments: Samples were not collected due to lack of rise. Will be collected during the next qualifying storm event.

AR 1402

Station location description: Kee Branch @ James Martin High School

Flow start time and date:	0730 4/6/14	Time first aliquot collected:	0732 4/6/14
Flow end time and date:	0355 4/7/14	Time last aliquot collected:	0937 4/6/14

Peak depth:	1.147 ft	Aliquots collected:	6
Average depth:	0.215 ft	Total sample volume:	3.5 gal

Comments:

AR 1403

Station location description: Rush Creek @ Woodland Park Blvd

Flow start time and date: 0745 4/6/14 Time first aliquot collected: 0748 4/6/14
Flow end time and date: 1155 4/7/14 Time last aliquot collected: 0956 4/6/14

Peak depth: 0.686 ft Aliquots collected: 6
Average depth: 0.303 ft Total sample volume: 3.5 gal

Comments:

Prepared By: Ryan Deal

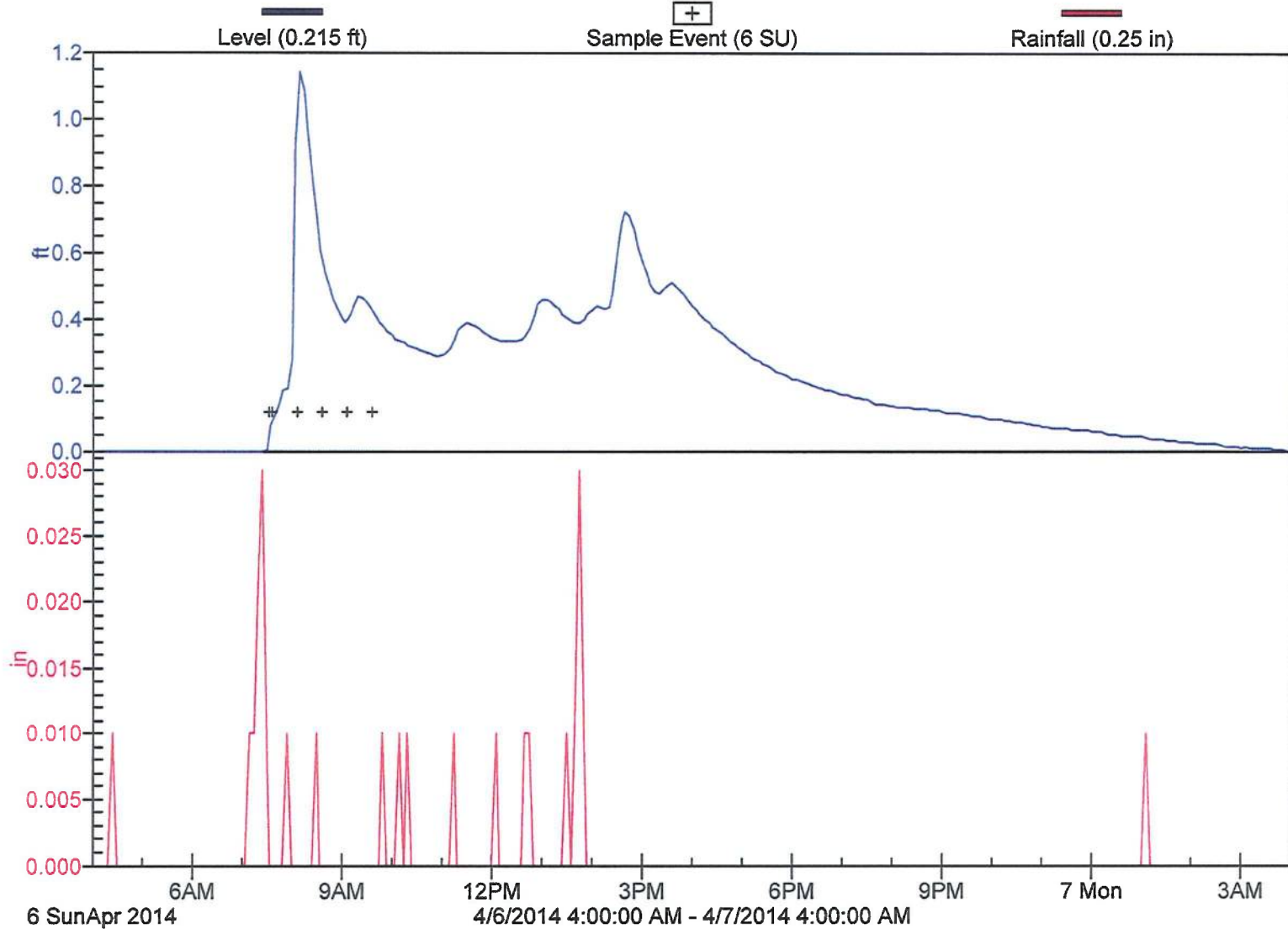
Date: 4-18-14

Checked By: Ty Shank

Date: 4-18-14

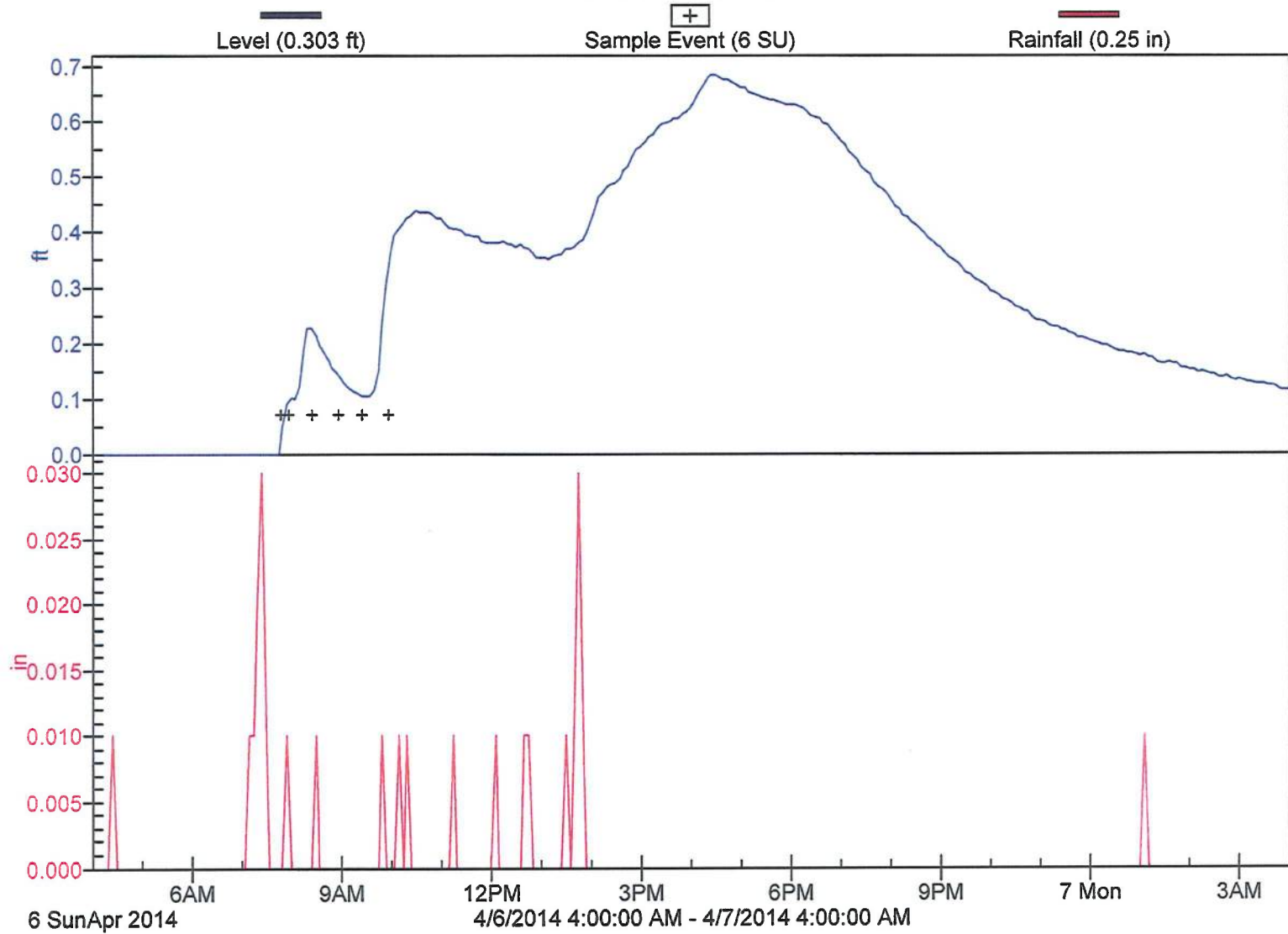
Arlington Kee Branch

AR1402 - 2nd Quarter



Arlington Rush Creek

AR1403 - 2nd Quarter



Analytical Results Summary
 NCTCOG Stormwater Quality Monitoring Project
 NCTCOG Project 100037643
 CITY OF ARLINGTON 2014

Storm Event: 04/06/2014 Project Number: 100037643	AR 1401	AR 1402	AR 1403	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT
Total Dissolved Solids (TDS)	NST	258	457	mg/L
Total Suspended Solids (TSS)	NST	158.0	38.00	mg/L
Biochemical Oxygen Demand	NST	26.0	12.0	mg/L
Chemical Oxygen Demand	NST	50.0	36.0	mg/L
Total Nitrogen	NST	2.04	2.27	mg/L
Phosphorus, Dissolved	NST	0.08	0.09	mg/L
Carbaryl	NST	<0.060 U	<0.060 U	µg/L
Arsenic, Total	NST	<0.002 U	<0.002 U	mg/L
Copper, Total	NST	0.010 J	0.013 J	mg/L
Lead, Total	NST	<0.004 U	<0.004 U	mg/L
Zinc, Total	NST	0.024	0.059	mg/L
Chromium, Total	NST	0.004 J	<0.003 U	mg/L
Phosphorus, Total	NST	0.04 J	0.13	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	NST	2.60 J	2.80 J	mg/L
pH (field)	NST	8.5	8.1	su
Ambient Air Temperature (field)	NST	47	47	°F
Water Temperature (field)	NST	57.0	56.5	°F
E. Coli	NST	464.0	410.0	col/100 mL
Specific Conductivity	NST	1,366	998	µS/cm
Total Coliforms	NST	8,820	18,700	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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City of Arlington 2014**

**Sample Collection Report
Event Date: April 13, 2014**

Storm Summary

Storm description: Moderate to heavy thunderstorms moved from southwest to northeast across the area.

Rain event start time and date:	0915 4/13/14	Rainfall total:	0.32 in
Rain event end time and date:	1310 4/13/14	Peak 1-hr rate:	0.20 in/hr

Rainfall station:	AR1401
Antecedent dry period:	176 hrs

Comments:

AR 1401

Station location description: Rush Creek @ W. Sublet Road

Flow start time and date:	1000 4/13/14	Time first aliquot collected:	1024 4/13/14
Flow end time and date:	0125 4/14/14	Time last aliquot collected:	1257 4/13/14

Peak depth:	0.635 ft	Aliquots collected:	6
Average depth:	0.360 ft	Total sample volume:	3.5 gal

Comments:

AR 1402

Station location description: Kee Branch @ James Martin High School

Comments: Samples were collected during the April 6th qualifying event.

AR 1403

Station location description: Rush Creek @ Woodland Park Blvd

Comments: Samples were collected during the April 6th qualifying event.

Prepared By: Ryan Deal

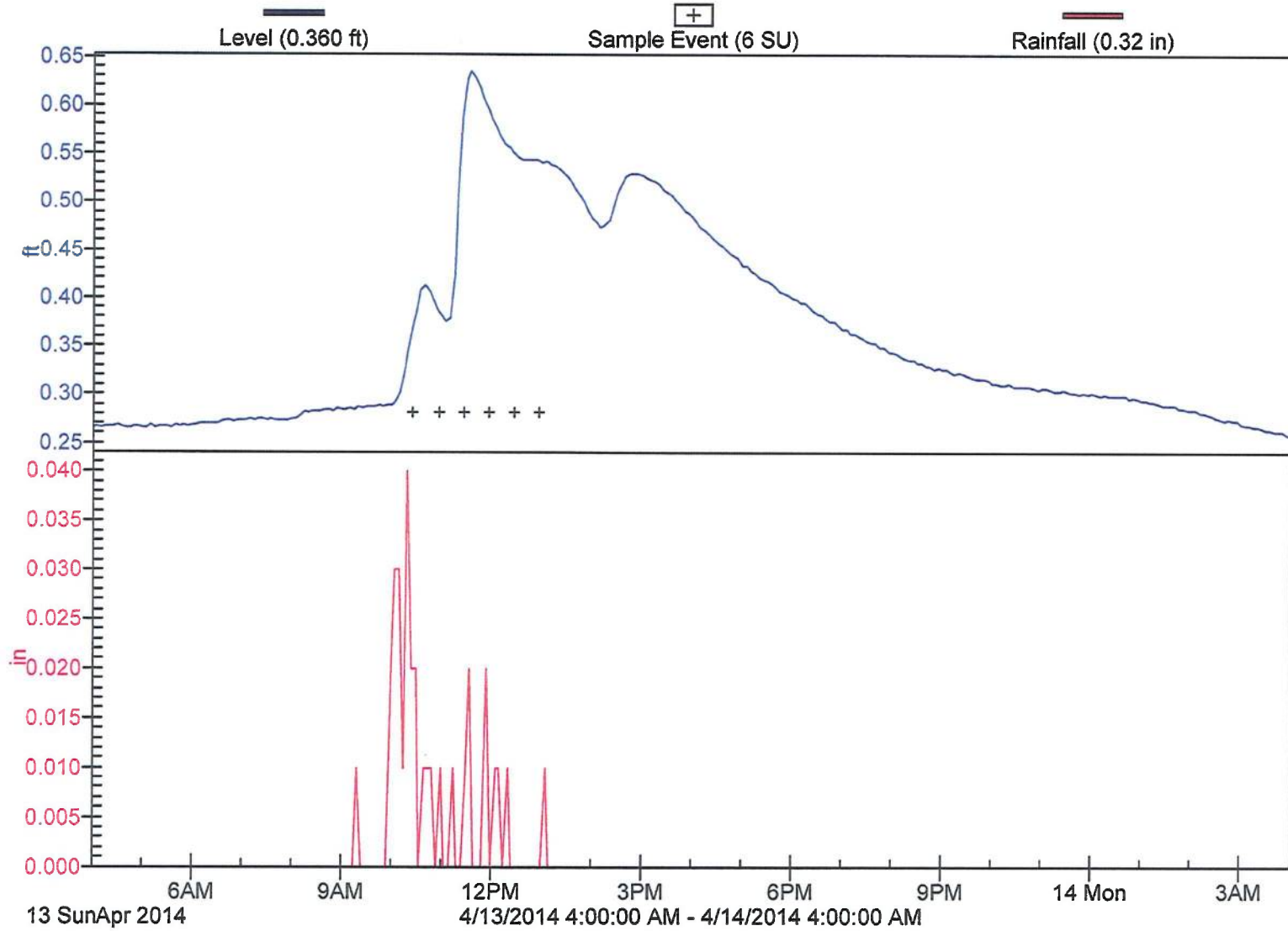
Date: 4-18-14

Checked By: Ty Shanks

Date: 4-18-14

Arlington Rush Creek

AR1401 - 2nd Quarter



Analytical Results Summary
NCTCOG Stormwater Quality Monitoring Project
NCTCOG Project 100037643
CITY OF ARLINGTON 2014

Storm Event: 04/13/2014 Project Number: 100037643	AR 1401	AR 1402	AR 1403	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT
Total Dissolved Solids (TDS)	414	NST	NST	mg/L
Total Suspended Solids (TSS)	19.00	NST	NST	mg/L
Biochemical Oxygen Demand	4.00	NST	NST	mg/L
Chemical Oxygen Demand	23.0	NST	NST	mg/L
Total Nitrogen	1.72	NST	NST	mg/L
Phosphorus, Dissolved	0.06	NST	NST	mg/L
Carbaryl	<0.060 U	NST	NST	µg/L
Arsenic, Total	<0.002 U	NST	NST	mg/L
Copper, Total	0.035	NST	NST	mg/L
Lead, Total	<0.004 U	NST	NST	mg/L
Zinc, Total	0.024	NST	NST	mg/L
Chromium, Total	<0.003 U	NST	NST	mg/L
Phosphorus, Total	0.12	NST	NST	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	3.50 J	NST	NST	mg/L
pH (field)	8.3	NST	NST	su
Ambient Air Temperature (field)	66	NST	NST	°F
Water Temperature (field)	67.8	NST	NST	°F
E. Coli	200.0	NST	NST	col/100 mL
Specific Conductivity	589	NST	NST	µS/cm
Total Coliforms	19,600	NST	NST	col/100 mL

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