

**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT
NCTCOG STORMWATER QUALITY MONITORING PROJECT
NCTCOG PROJECT ID 520795.02
CITY OF IRVING 2007 MONITORING SITES**

**Sample Collection Report
Event Date: July 13, 2007**

Storm Summary

Storm description: Thunderstorms developed across the metroplex along a cold front that moved into the area from northwest to southeast.

Rain event start time and date:	1045 07/13/07	Rainfall total:	0.62 in
Rain event end time and date:	1115 07/13/07	Peak 1-hr rate:	0.25 in/hr
Rainfall station:	IR0703		
Antecedent dry period:	192 hrs		

IR0701

Station location description: Cottonwood Branch at Beltline Road.

Flow start time and date:	1140 07/13/07		
Flow end time and date:	1430 07/13/07		
Time first aliquot collected:	1142 07/13/07		
Time last aliquot collected:	1344 07/13/07		
Peak depth:	1.0 ft	Aliquots collected:	6
Average depth:	0.295 ft	Total sample volume:	3.5 gal

Comments: All aliquots were successfully collected.

IR0702

Station location description: Cottonwood Branch at Story Road.

Flow start time and date:	1145 07/13/07
Flow end time and date:	1500 07/13/07
Time first aliquot collected:	1147 07/13/07
Time last aliquot collected:	1349 07/13/07

Peak depth: 0.840 ft
Average depth: 0.261 ft

Aliquots collected: 6
Total sample volume: 3.5 gal

Comments: All aliquots were successfully collected.

IR0703

Station location description: Cottonwood Branch at Hwy 114.

Flow start time and date: 1300 07/13/07

Flow end time and date: 1900 07/13/07

Time first aliquot collected: 1317 07/13/07

Time last aliquot collected: 1519 07/13/07

Peak depth: 2.50 ft
Average depth: 1.049 ft

Aliquots collected: 6
Total sample volume: 3.5 gal

Comments: All aliquots were successfully collected.

Prepared By: David Sellen

Date: 10/18/07

Checked By: Tim H. [Signature]

Date: 10/18/07

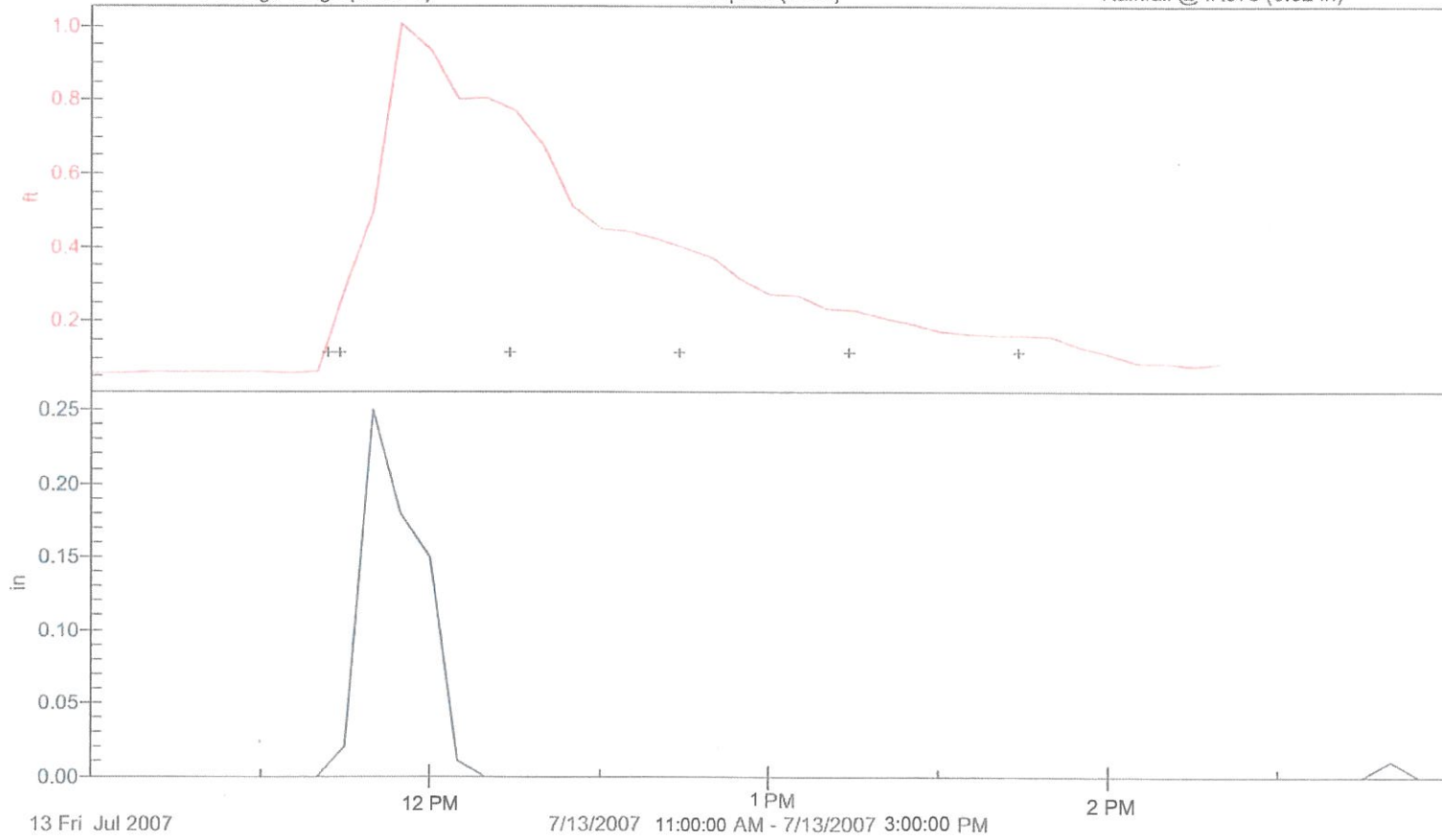
IR071 - Cottonwood Branch at Beltline Road

7/13/07

Average Stage (0.295 ft)

Aliquots (6 SU)

Rainfall @ IR073 (0.62 in)



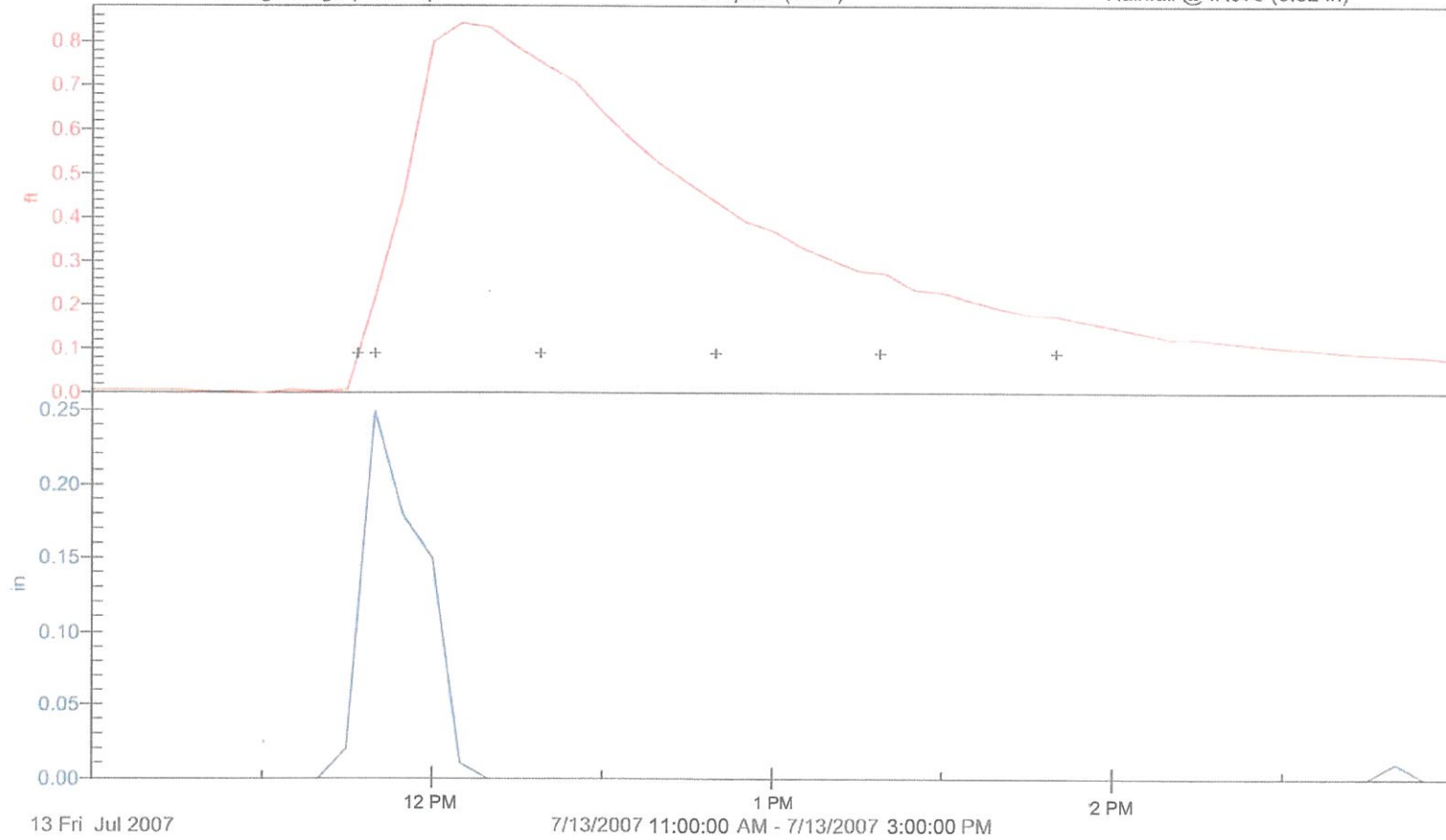
IR072 - Cottonwood Branch at Story Road

7/13/07

Average Stage (0.261 ft)

Aliquots (6 SU)

Rainfall @ IR073 (0.62 in)



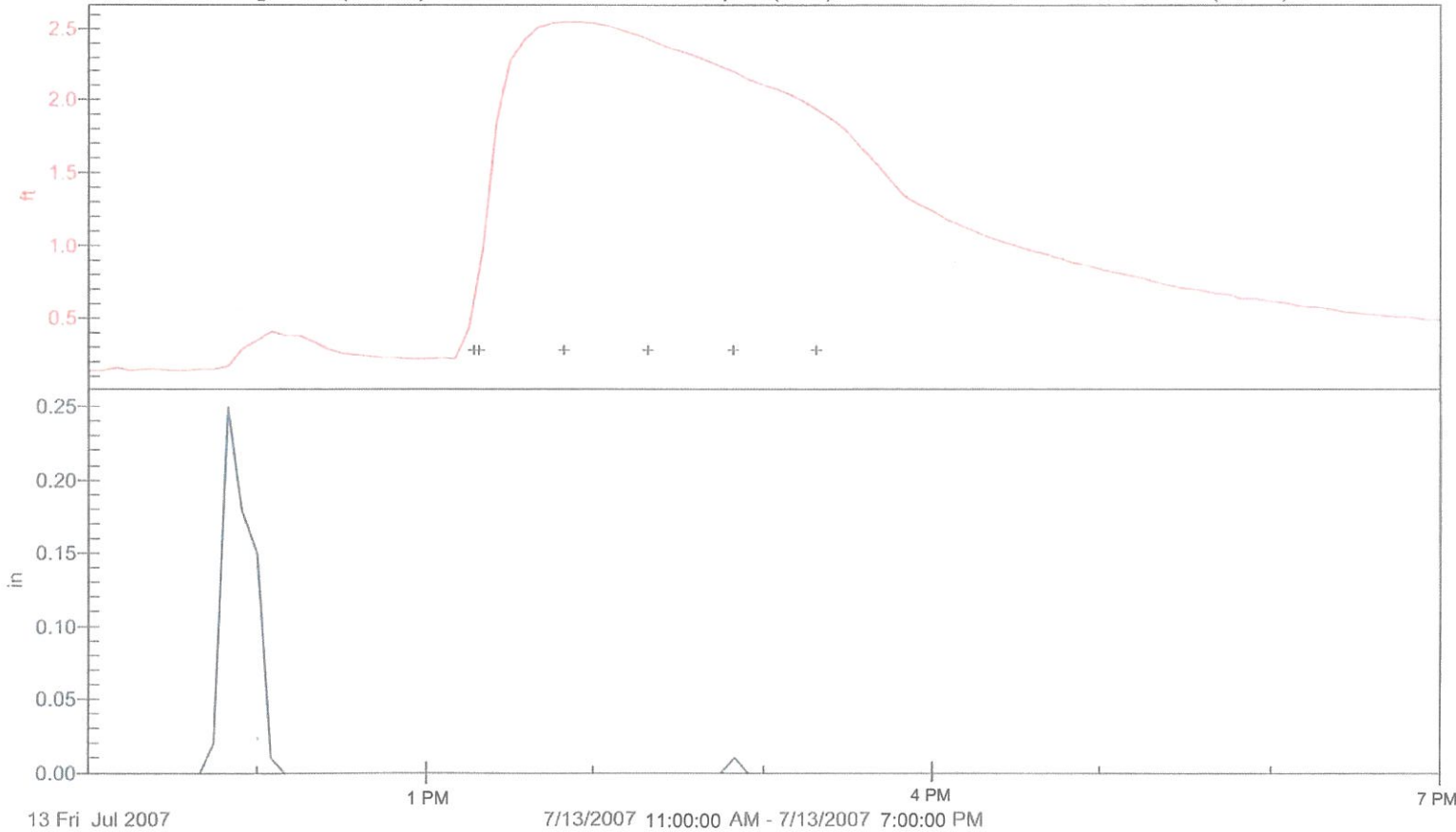
IR073 - Cottonwood Branch at 114

7/13/07

Average Level (1.049 ft)

Aliquots (6 SU)

Rainfall (0.62 in)



Analytical Results Summary
NCTCOG Stormwater Quality Monitoring Project
NCTCOG Project 520795.02
CITY OF IRVING 2007

Storm Event: 07/13/07 Project Number: 520795.02	IR0701	IR0702	IR0703	
PARAMETER	COMPOSITE	COMPOSITE	COMPOSITE	UNIT
Total Dissolved Solids (TDS)	304	876	320	mg/L
TSS by EPA 160.2	1060	208	64.0	mg/L
Biochemical Oxygen Demand	19.6	135	9.26	mg/L
Chemical Oxygen Demand	102	32.1	37.1	mg/L
Total Nitrogen	2.70	19.0	6.20	mg/L
Phosphorus Dissolved	0.365	0.206	0.125	mg/L
Diazinon	< 0.0370 U	< 0.0370 U	< 0.0370 U	ug/L
Arsenic Total	0.002 J	0.006 J	0.004 J	mg/L
Copper, Total	<0.00800 U	<0.00800 U	<0.00800 U	mg/L
Cadmium, Total	< 0.00100 U	< 0.00100 U	< 0.00100 U	mg/L
Lead, Total	<0.004 U	< 0.004 U	< 0.004 U	mg/L
Zinc, Total	<0.00300 U	0.00311 J	<0.003 U	mg/L
Chromium, Total	<0.00300 U	<0.003 U	<0.003 U	mg/L
Phosphorus, Total	<0.0500 U	<0.0500 U	< 0.0500 U	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	< 1.40 U	<1.40 U	4.50 J	mg/L
E. Coli	2600	10000	1200	colonies/100 mL
pH (lab)	7.02	7.18	7.48	su
pH (field)	6.87	7.05	7.03	su
Total Coliforms	12000	<10.0 U	<10.0 U	colonies/100 mL
Ambient Air Temperature	80	80	80	°F

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

IS - Insufficient Sediment within Sample
J - Positively Identified Below the Detection Limit
NST - No Sample Taken
U - Undetected