

**NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
NCTCOG STORMWATER QUALITY MONITORING PROJECT
NCTCOG PROJECT ID 520795.02
CITY OF MESQUITE 2007**

**Sample Collection Report
Event Date: August 17, 2007**

Storm Summary

Storm description: Showers and thunderstorms associated with the remains of Tropical Storm Erin moved in a northwest direction across the area.

Rain event start time and date:	1840 08/17/07	Rainfall total:	0.12 in
Rain event end time and date:	1910 08/17/07	Peak 1-hr rate:	0.12 in/hr

Rainfall station:	MS 0701
Antecedent dry period:	380 hrs

MS 0701

Station location description: South Mesquite Creek at Sublett.

Flow start time and date:	1840 08/17/07	Time first aliquot collected:	1918
Flow end time and date:	2310 08/17/07	Time last aliquot collected:	2136
Peak depth:	0.2 ft	Aliquots collected:	6
Average depth:	0.1 ft	Total sample volume:	3.5 gal

Comments: The sampling equipment was removed at the conclusion of the sampling activities.

MS 0702

Station location description: North of New Market Road.

Flow start time and date:	1940 08/17/07	Time first aliquot collected:	1943
Flow end time and date:	2240 08/17/07	Time last aliquot collected:	2146
Peak depth:	2.4 ft	Aliquots collected:	6
Average depth:	1.2 ft	Total sample volume:	3.5 gal

Comments: The sampling equipment was removed at the conclusion of the sampling activities.

MS 0703

Station location description: North of Pioneer and behind house on West side of Creek.

Flow start time and date:	1825 08/17/07	Time first aliquot collected:	1907
Flow end time and date:	2205 08/17/07	Time last aliquot collected:	2110
Peak depth:	1.3 ft	Aliquots collected:	6
Average depth:	0.8 ft	Total sample volume:	3.5 gal

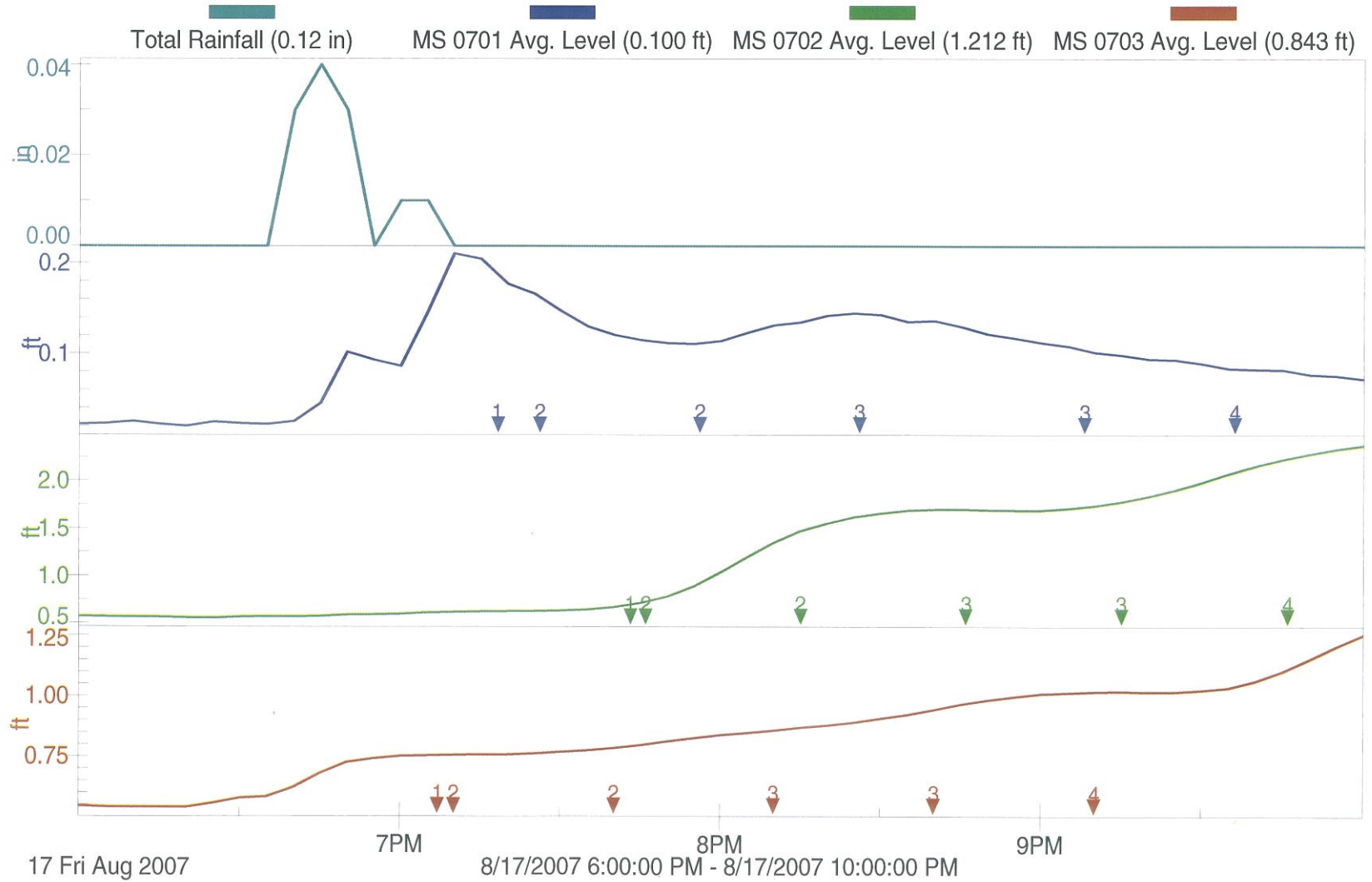
Comments: The sampling equipment was removed at the conclusion of the sampling activities.

Prepared By: Gene Mya Date: 11-28-07

Checked By: Chad Richard Date: 11-28-07

NCTCOG CITY OF MESQUITE

MS 0701, MS 0702, & MS 0703



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

Storm Event: 08/17/07 Project Number: 520795.02	MS 0701	MS 0702	MS 0703	
PARAMETER NAME	COMPOSITE	COMPOSITE	COMPOSITE	UNIT*
Total Dissolved Solids (TDS)	280	410	20300	mg/L
TSS by EPA 160.2	13.5	97.0	46.7	mg/L
Biochemical Oxygen Demand	19.1 **	9.20 **	<3.00 U **	mg/L
Chemical Oxygen Demand	77.0	85.0	14.0	mg/L
Total Nitrogen	11.0	14.0	12.0	mg/L
Phosphorus Dissolved	0.157 J	0.0742 J	0.0741 J	mg/L
Diazinon	<0.0370 U	<0.0370 U	<0.0370 U	µg/L
Arsenic Total	0.005 J	0.006 J	0.003 J	mg/L
Copper, Total	0.0233 J	0.0212 J	0.0213 J	mg/L
Cadmium, Total	<0.00100 U	0.00152 J	0.00212 J	mg/L
Lead, Total	0.009 J	<0.004 U	<0.004 U	mg/L
Zinc, Total	0.0914 J	0.0532 J	0.0207 J	mg/L
Chromium, Total	0.004 J	0.006 J	<0.003 U	mg/L
Phosphorus, Total	0.274	0.196	0.0690	mg/L
PARAMETER NAME	GRAB	GRAB	GRAB	UNIT
Oil & Grease(HEM)	1.67 J	<1.40 U	<1.40 U	mg/L
pH (lab)	7.46	7.63	7.41	su
pH (field)	9.39	9.15	8.88	su
Ambient Air Temperature (field)	83	82	81	°F
E. Coli	<1.00 U	<1.00 U	<1.00 U	col/100 mL
Total Coliforms	<1.00 U	<1.00 U	<1.00 U	col/100 mL

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

** - BOD results are results for a 7 day incubation period and are therefore high biased compared to a 5 day incubation period.

J - Positively Identified Below the Detection Limit

NST - No Sample Taken

U - Undetected