



RED RIVER AUTHORITY OF TEXAS FIELD DATA REPORTING FORM



Date:	Station Location:	TNRC Site ID:
Time:	Basin/Reach/Segment: / /	HUA No:
County:	GPS File Name:	RRA Tag No:
Tech(s):	GPS Unit No:	Latitude:
Depth:	Q A Officer: D M Tech:	Longitude:

FIELD PARAMETERS

00010		Water Temp (°C)	31616		Fecal Coliform (#100mL)
00094		Conductivity (mS/cm)	31648		E. Coli (#/100mL)
00400		pH (standard units)	82078 82079	_____	Field (___) Turbidity (NTU) Lab (___) Turbidity (NTU)
00300		Dissolved Oxygen (mg/L)	89969		Water Color 1-brown 2-reddish 3-green 4-black 5-clear 6-other [indicate below]
89835		Flow Measurement Method 1- USGS 2- Marsh McBirney 3- Montedoro-Whitney 4- Pygmy	89971		Water Odor 1-sewage 2-oily/chemical 3-rotten eggs 4-musky 5-fishy 6-none 7-other [indicate below]
00061		Flow (CFS)	72053		Days since last significant precipitation
01351		Flow Severity 1-no flow 2-low flow 3-normal 4-flood 5-high 6-dry	SA300		Water Clarity 1- Excellent 2- Good 3- Fair 4- Poor 5- Other [indicate below]
		Monitoring Type	89966		Present Weather 1-clear 2-partly cloudy 3-cloudy 4-rain 5- other [indicate below]

OTHER SAMPLES COLLECTED FOR LAB ANALYSIS & POLLUTANTS by PERMIT

Field	Conventional	Pesticides	Metals	Bacteria	24 hr DO	Permit Pollutants
Circle Type & List Parameters: DO Temp pH Conductivity Turbidity Fecal Coliforms E. coli						
GPS COMMENTS:						

STREAM FLOW DATA AND CALCULATION WORKSHEET

Location: _____ Date _____ Time Start _____ Time End _____

Field Technician(s): _____ Total Stream Width: _____ in Ft or M

	Section Width A	Midpoint of Section B	Section Depth C	Velocity D	Discharge AxCx D		Section Width A	Midpoint of Section B	Section Depth C	Velocity D	Discharge AxCx D	
1						11						
2						12						
3						13						
4						14						
5						15						
6						16						
7						17						
8						18						
9						19						
10						20						
Total Flow in CFS							Total Flow in CFS					

MEASUREMENT COMMENTS AND FIELD OBSERVATIONS

Left Bank:
Right Bank:
Watershed Activities:
Biologic Activities:
Water Quality:
Stream Use:
Specific Sample Info:
Missing Parameters:

HYDROLAB CALIBRATION LOG

INSTRUMENT (I or II)

<u>CALIBRATION</u>						
DATE:			INITIALS:			
TIME:			BATTERY VOLTAGE:			
Function	Temp of Standard	Initial Reading	Value of Standard	Calibrated To	Comments	Expiration Date of Standards
D. O.						
Conductivity (high)						
Conductivity (low)						
pH calibrate (~7)						
pH slope (~10)						
Table _____ Alt (ft) _____ ALTCORR _____ Bar. Pres. (in) _____ BAROCORR _____						
Dissolved Oxygen Standard = Table D.O. Value x ALTCORR x BAROCORR						
<u>POST-CALIBRATION</u>						
DATE:			INITIALS:			
TIME:			BATTERY VOLTAGE:			
Function	Temp of Standard	Initial Reading	Value of Standard	Calibrated To	Comments	Expiration Date of Standards
D. O.						
Conductivity (high)						
Conductivity (low)						
pH calibrate (~7)						
pH slope (~10)						
Table _____ Alt (ft) _____ ALTCORR _____ Bar. Pres. (in) _____ BAROCORR _____						
Dissolved Oxygen Standard = Table D.O. Value x ALTCORR x BAROCORR						
Check previous maintenance and use; do the following before calibration:						
Polish conductivity probe. Must be polished within the last two months or once every 15 field trips.				DATE:	NAME:	
Change pH reference probe solution. Must be renewed within the last two months or once every 15 field trips.				DATE:	NAME:	
Inspect D.O. membrane for nicks or bubbles. Must be changed within last six months or once every 15 field trips.				DATE:	NAME:	
Change D.O. battery in 4141 sonde. Change once a year.				DATE:	NAME:	
Verify temperature function. Check the temperature function against a thermometer once a year.				DATE:	NAME:	

BAROCORR = (NOAA pressure in inches/29.921) ALTCORR = {760 - (altitude in feet x 0.0261)}/760 Note: 1 inch = 25.4 mm

YSI Instrument Calibration Record Instrument III or IV

Site:			File Name:		
Date of Calibration			Technician(s):		
DO Membrane Changed? Y N			Note: Should wait 6 to 8 hours before final calibration		
Turbidity Wiper Changed? Y N			Wiper Parks = 180° from Optics? Y N		
Record Battery Voltage:					
Record the following diagnostic numbers after calibration			RECORD CALIBRATION VALUES		
Conductivity Cell Constant		Range 4.5 to 5.5		Actual	Sonde
DO Charge		Range 25 to 75	Conductivity		
DO Gain		Range 0.7 to 1.7	DO		
pH MV Buffer 7		Range 0 to ± 40 MV	pH		
pH MV Buffer 10		Range -180 ± 40 MV	pH		
pH MV Buffer 4		Range +180 ± 40MV	Turbidity 0 NTU		
Note: Span between pH 7 and 10, milli-volt numbers should be ≈ 170 to 180 MV			Turbidity 100 NTU		
POST CALIBRATION					
Battery Voltage			Data Upload Successful Y N		
DO % in Calibration Cup					
pH 4					
pH 7					
pH 10					
Conductivity					
Turbidity 0 NTU					
Turbidity 100 NTU					
DO Charge (Range 25 - 75)					
Turbidity Wiper Parks 180° from Optics? Y N					

Notes:

