

## **Appendix D: Field Data Sheets**

# H-GAC – Ambient Monitoring Data Sheet

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Station: \_\_\_\_\_

Time (military): \_\_\_\_\_ Samples Collected by: \_\_\_\_\_

Total Water Depth at sampling location	meters				# of Days Since Last Significant Rainfall
Sampling Depth	meters				
Water Temperature	°C				
Specific Conductance	µS/cm				
Salinity	‰				
pH	standard units				
Dissolved Oxygen	mg/L				

Secchi disk or tube	Observed Turbidity	Water Clarity	Water Color	Water Odor	Present Weather	Wind Intensity	Water Surface	Flow Severity	Tide Stage
meters	1 – low 2 – medium 3 – high	1 – excellent 2 – good 3 – fair 4 – poor	1 – brownish 2 – reddish 3 – greenish 4 – blackish 5 – clear 6 – other	1 – sewage 2 – oily/chemical 3 – rotten egg 4 – musky 5 – fishy 6 – none 7 – other	1 – clear 2 – partly cloudy 3 – cloudy 4 – raining 5 – other	1 – calm 2 – slight 3 – moderate 4 – strong	1 – calm 2 – ripples 3 – waves	1 – no flow 2 – low 3 – normal 4 – flood 5 – high 6 – dry	1 – low 2 – falling 3 – slack 4 – rising 5 – high

Flow	cfs	
Flow Method	1 – gage 2 – electric 3 – mechanical 4 – weir/flume 5 – Doppler	
Primary Contact, # of People Observed (1-10, >10)		
Evidence of Primary Contact, (1- Observed, 0 - Not Observed)		

Maximum Pool Width	meters	
Maximum Pool Depth	meters	
Pool Length	meters	
Percent Pool Coverage in 500 meter Reach	%	
Comments or Observation		

Fresh (non-tidal)

Marine (tidal)

Containers	Preservatives	Analyses	Requested
1 x 500 mL Plastic	Iced	TSS	
1 x 1 L Plastic	Iced, H <sub>2</sub> SO <sub>4</sub>	TKN, NH <sub>3</sub> , NO <sub>2</sub> +NO <sub>3</sub> , TPO <sub>4</sub>	
1 x 500 mL Plastic	Iced	CL, SO <sub>4</sub> (fresh only)	
1 x 100 mL Sterile Plastic	Iced	Bacteria: <i>E. coli</i> Enterococcus	

Surveyor SN: \_\_\_\_\_ Sonde SN: \_\_\_\_\_





# Pollution Control Services Department

101 S. Richey, Suite H  
Pasadena, Texas 77506 FAX: 713-274-6475 713-920-2831

## SAMPLING RECORD: Clean Rivers Program Sites

ID NO.: 8603 PERMIT NO.: HSCSHG004 OUTFALL: 000 DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ AM/PM  
 NAME: Houston Ship Channel Sidebay KEY MAP: 499C MS4?(Y/N): \_\_\_\_\_  
 LATITUDE: 29°48.576 LONGITUDE: 95°05.452  
 SITE: HSCS, San Jacinto River @ Boatramp - 004 (17919) KEYS: \_\_\_\_\_  
 SITE DIRECTIONS: \_\_\_\_\_

### TESTS AND MEASUREMENTS

TEMPERATURE °C  SALINITY (ppt)  
 pH (standard units)  SPECIFIC CONDUCTIVITY (us/cm)  
 DISSOLVED OXYGEN (mg/l)  SECCHI DISK TRANSPARENCY (meters)

### FIELD OBSERVATIONS

SURFACE CONDITIONS: 1-clear 2-scum 3-foam 4-debris 5-sheen  PRESENT WEATHER: 1-clear 2-partly cloudy 3-cloudy 4-rain 5-other  
 TURBIDITY: 1-low 2-medium 3-high  DAYS SINCE LAST SIGNIFICANT RAINFALL (Runoff)  
 WATER SURFACE: 1-calm 2-ripples 3-waves  WIND INTENSITY: 1-calm 2-slight 3-moderate 4-strong  
 WATER COLOR: 1-brownish 2-reddish 3-greenish 4-blackish 5-clear 6-other  TIDE STAGE: 1-low 2-falling 3-slack 4-rising 5-high  
 WATER ODOR: 1-sewage 2-chemical 3-rotten egg 4-musky 5-fishy 6-none 7-other

*Depth meters*

### SAMPLES

GRAB  DIRECT REPORT:  YES  NO  
 SPLIT  INDIRECT

Amt. Col.	Container	Preservative	Analysis Requested	Comments
	1x1/2gal-P	Ice	COND TSS	
	1x100ml-P	Ice Direct	ENT	
	1x250ml-P	Ice H2SO4	NH3 NOX TPO4	

*1x500ml-P*

*89978=  
89979=*

### REMARKS

### NOTIFICATION

CONTACT PERSON: \_\_\_\_\_ PHONE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 TIME: \_\_\_\_\_ AM/PM  
 PERSON CONTACTED/TITLE: \_\_\_\_\_ AFFILIATION: \_\_\_\_\_  
 RESPONSE: \_\_\_\_\_

### CUSTODY

INSPECTED/SAMPLED BY: \_\_\_\_\_ RECEIVED IN LABORATORY BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ AM/PM RUN NUMBER: \_\_\_\_\_

Field No. \_\_\_\_\_

City of Houston  
 Department of Health and Human Services  
 Bureau of Pollution Control and Prevention  
 7411 Park Place Blvd  
 832.393.5730 FAX 832-393-5726  
**FIELD FORM & CHAIN OF CUSTODY FORM**



Date \_\_\_\_\_ Samples Collected By: \_\_\_\_\_

Run No. \_\_\_\_\_ Station ID \_\_\_\_\_ Time (24 hr) \_\_\_\_\_ Field Meter # \_\_\_\_\_

Stream Name & Intersecting Street \_\_\_\_\_

**FIELD OBSERVATIONS**

Number of days since significant rainfall \_\_\_\_\_

Flow Severity	Tidal Stage	Color	Odor	Water Surface	Current Weather	Wind Intensity

- |             |             |              |                   |               |                   |              |
|-------------|-------------|--------------|-------------------|---------------|-------------------|--------------|
| 1 - no flow | 1 - low     | 1 - brownish | 1 - sewage        | 1 - calm      | 1 - clear         | 1 - calm     |
| 2 - low     | 2 - falling | 2 - reddish  | 2 - oily/chemical | 2 - ripples   | 2 - partly cloudy | 2 - slight   |
| 3 - normal  | 3 - slack   | 3 - greenish | 3 - rotten egg    | 3 - waves     | 3 - cloudy        | 3 - moderate |
| 4 - flood   | 4 - rising  | 4 - blackish | 4 - musky         | 4 - whitecaps | 4 - rain          | 4 - strong   |
| 5 - high    | 5 - high    | 5 - clear    | 5 - fishy         |               | 5 - other         |              |
| 6 - dry*    |             | 6 - other*   | 6 - none          |               |                   |              |
|             |             |              | 7 - other*        |               |                   |              |

Flow Method	Flow (cfs)	Secchi Depth (cm)	Evidence of Primary Contact Recreation	# people observed	Sample Depth (ft)	Total Depth (ft)

- |                        |                  |        |
|------------------------|------------------|--------|
| 1 - flow-gauge station | 1 - observed     | 1 - 10 |
| 5 - Doppler            | 0 - not observed | > 10   |

**INSTRUMENT READINGS**

Temp	Conductivity	Dissolved Oxygen (DO)	pH	Salinity

(1.0 to 38.0 °C)      (0.03 to 60 mS/cm)      (0.5 to 15.0 mg/L)      (5.0 to 10.0)      (.009 to 45.0 PSS)

**\*Other Observations:**

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**Request for Analysis (circle what is requested):**

- |                  |           |                   |
|------------------|-----------|-------------------|
| 1 - pH           | 5 - Cl-   | 9 - E. coli       |
| 2 - Conductivity | 6 - SO4   | 10 - Enterococcus |
| 3 - TSS          | 7 - N-NH3 |                   |
| 4 - N-NO3        | 8 - T-PO4 |                   |

**No. of Containers:**

- |                              |                                       |
|------------------------------|---------------------------------------|
| _____ 100 mL sterile plastic | _____ 200 mL sterile plastic          |
| _____ 1 L plastic            | _____ 1 L plastic w/ H2SO4            |
| _____ 1 gallon plastic       | _____ 1 L plastic(TKN) bottle w/H2SO4 |

Samples Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Samples Received on Ice: Yes / No \_\_\_\_\_ (signature only)

Lab Sample No. \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_  
 (signature only)

\*Note: If site is dry, photo should be taken. If water present within 400 m, and pool is 10+m long, and 0.4+m deep, collect sample and record Maximum pool width, depth, length, and percent pool coverage in 500 m reach (if measureable) in observations section.



**CITY OF HOUSTON**  
**DRINKING WATER OPERATIONS LABORATORY**  
**LAKE HOUSTON WATERSHED SITE MONITORING**  
**FIELD SHEET & CHAIN OF CUSTODY**

Effective Date: 1 05/19/17

Document ID: 150

Version: 1.03

Date of Sampling: \_\_\_\_\_ Air Temperature: \_\_\_\_\_ Days Since Last Significant Rainfall: \_\_\_\_\_ Samples Collected By: \_\_\_\_\_

**Sample Run Collected Bi-Monthly**

Note: All samples taken at a one foot depth by plastic bucket unless specifically designated in 'Sample Depth' column below.

Sample No.	Station Name	TCEQ ID	Time	Sample Depth (ft)	Total Depth (ft)	Water Temp °C	Sp. Cond. µs/cm	pH	DO mg/L	Secchi Depth (m)	Flow Severity	Water Color	Water Odor	Present Weather	Wind Intensity	Water Surface	Primary Contact	Evidence of P.C.
1	LUCE BAYOU HUFFMAN / CLEVELAND	11187																
2	EAST FORK SAN JACINTO RIVER @ FM 1485 (gage 8070200)	11235																
3	CANEY CREEK @ FM 1485	11334																
4	PEACH CREEK @ FM 2090	11337																
5	EAST FORK SAN JACINTO @ SH 105 (gage 8070000)	11238																
6	PEACH CREEK @ FM 105	18625																
7	CANEY CREEK @ Millmac Rd.	21465																
8	WEST FORK SAN JACINTO @ FM 105 (gage 8087650)	11251																
9	STEWART CREEK @ LOOP 336, CONROE	18626																
10	CRYSTAL CREEK @ HWY 242	18635																
11	WEST FORK SAN JACINTO @ FM 242	11243																
12	SPRING CREEK @ I-45 (gage 8068500)	11313																
13	CYPRESS CREEK @ I-45 (gage 8069000)	11328																

**Comments:**

Analysis Required: VOC, WQP, T-phos, Ammonia, Total Coliform, E. coli  
 Bottles used: 1-100ml sterilized bottle for Bacti analysis, 1-500ml plastic bottle for WQP analysis, 2-40ml VOA bottles with 1:1 HCl, 1-500 ml, plastic bottle acidified with H<sub>2</sub>SO<sub>4</sub> for NH<sub>3</sub> analysis, 1-250ml amber bottle for T-phos, & TOC analysis.  
 \* WQP analysis includes: pH, Cond., TSS, Alk, Hard, NO<sub>2</sub>-N, NO<sub>3</sub>-N, F, Cl, Br, SO<sub>4</sub>

Matrix: Water  
 Temperature of Samples when Received at Lab: \_\_\_\_\_

Biol. Samples Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Chem. Samples Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Biol. Samples Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Chem. Samples Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



**CITY OF HOUSTON**  
**DRINKING WATER OPERATIONS LABORATORY**  
**LAKE HOUSTON RECREATIONAL SITE MONITORING**  
**FIELD SHEET & CHAIN OF CUSTODY**

Effective Date: 05/18/2017

Document ID: 150 Version: 1.03

Date of Sampling: \_\_\_\_\_ Air Temperature: \_\_\_\_\_ Days Since Last Significant Rainfall: \_\_\_\_\_ Samples Collected By: \_\_\_\_\_

Sample Run Collected Monthly

Note: All samples taken at a one foot depth by plastic bucket unless specifically designated in 'Sample Depth' column below.

Sample No.	Station Name	TCEQ ID	Time	Sample Depth (ft)	Total Depth (ft)	Water Temp. °C	Sp. Cond. µs/cm	pH	DO mg/L	Secchi Depth (m)	Flow Severity	Water Color	Water Odor	Present Weather	Wind Intensity	Water Surface	Primary Evidence of P.C.
1	LAKE PATROL MARINA																
2	RAILROAD BRIDGE MIDDLE OF LAKE	11208															
3	LAKE SHADOWS MIDDLE OF LAKE	16668															
4	DUESSEN PARK MARINA																
5	WEST FORK MCKAY BRIDGE	11211															
6	ATASCOCITA POINT	18667															
7	KINGWOOD MARINA																
8	WEST FORK Belleau Wood Dr.	20782															
9	LUCES BAYOU WATER WONDERLAND	18670															
10	TREASURE ISLAND MAGNOLIA PT.	16623															
11	BU'S MARINA																
12	LAKE HOUSTON MARINA																
13	EAST FORK MCKAY BRIDGE	11212															

Comments: \_\_\_\_\_

VOC, WQP, T-phos, Ammonia, Total Coliform, E. coli  
 1-100ml sterilized bottle for fecal analysis, 1-500ml plastic bottle for WQP analysis, 2-40ml VOA bottles with 1:1 HCl, 1-500 ml, plastic bottle  
 acidified with H<sub>2</sub>SO<sub>4</sub> for NH<sub>3</sub> analysis, 1-250ml amber bottle for T-phos. & TOC analysis.  
 pH, Cond., TSS, Alk, Hard, NO<sub>2</sub>-N, NO<sub>3</sub>-N, F, Cl, Br, SO<sub>4</sub>

Analysis Required: \_\_\_\_\_ Matrix: Water  
 Bottles used: \_\_\_\_\_  
 \* WQP analysis includes: \_\_\_\_\_ Temperature of Samples when Received at Lab: \_\_\_\_\_

Biol. Samples Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Biol. Samples Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



**WATER QUALITY LABORATORY**  
 San Jacinto River Authority - Lake Conroe Division  
 LAKE CONROE MONITORING  
 FIELD SHEET & CHAIN OF CUSTODY

Document ID: 150 Version: 1.05

Effective Date: 09/06/2011

Date of Sampling: \_\_\_\_\_ Days Since Last Significant Rainfall: \_\_\_\_\_ Samples Collected By: \_\_\_\_\_  
 Reservoir Stage: \_\_\_\_\_ Reservoir % Full: \_\_\_\_\_ Note: All hydrolab field data is uploaded and sent to H-GAC.

Sample Run Collected Monthly

Sample No.	Station Name	Watershed ID	TCEQ ID	Time	Total Depth (ft)	release in CFS	Socchi Depth (m)	Water Color	Water Odor	Present Weather	Wind Intensity	Water Surface	Primary Contact	Evidence Contact
1	Walker County	23	11344											
2	T. James Creek	25	16645											
3	Weir Creek	3	16644											
4	Caney Creek	6	16643											
5	Tim Cude Creek	26	16642											
6	Lost Lake Creek	33	16640											
7	Lewis Creek	4	16641											
8	W.C. Clark Creek	27	16639											
9	Atkin Creek	5	16638											
10	Intake Lake Conroe	24	11342											
	SPLIT SAMPLE													

Comments: \_\_\_\_\_

Matrix: Water  
 WQP\*, T-phos, Ammonia, Total Coliform, E. coli  
 1-100ml sterilized bottle for Bacti analysis, 1-500ml plastic bottle for WQP analysis, 1-500 mL plastic bottle acidified with H<sub>2</sub>SO<sub>4</sub> for NH<sub>4</sub> analysis, 1-250ml amber bottle acidified with H<sub>2</sub>SO<sub>4</sub> for T-phos. & TOC analysis, pH, Cond., TSS, Alk, Hard, NO<sub>2</sub>-N, NO<sub>3</sub>-N, F, Cl, Br, SO<sub>4</sub>

\* WQP analysis includes: \_\_\_\_\_  
 Temperature of Samples when Received at Lab: \_\_\_\_\_  
 Biological Samples Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Chemical Samples Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Biological Samples Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Chemical Samples Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



SAN JACINTO RIVER AUTHORITY  
LOWER PANTHER BRANCH WATER QUALITY MONITORING

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Instrument Person: \_\_\_\_\_ Sampler: \_\_\_\_\_  
 MONTH DAY YEAR  
 Present Weather: \_\_\_\_\_ Atmos. Temperature Deg. F: \_\_\_\_\_  
 Days Since Last Rain: \_\_\_\_\_ Date: \_\_\_\_\_ In. \_\_\_\_\_

LOWER PANTHER BRANCH # 2 (UPSTREAM WMWP # 1 OUTFALL)  
 Station ID No. 16627 (LPB2) GPS COORDINATES: = 30 0806.888 N 95 2841.820 W  
 Total Depth: 3 Ft M  
 Depth of Measurements: 1 Ft M  
 Transparency Tube: 3.7 cm M

MILITARY TIME	TEMP. C	pH	D.O.	CONDUCTIVITY	COLOR	ODOR	FLOW SEVERITY	AQUATIC ACTIVITY

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):

Primary Contact (Code # 89978) Evidence of Primary Contact Recreation (Code # 89979)

USGS Gauge (cfs): \_\_\_\_\_  
 Total Depth: 3 Ft M  
 Depth of Measurements: 1 Ft M  
 Transparency Tube: 3.7 cm M

LOWER PANTHER BRANCH # 3 (DOWNSTREAM WMWP # 1 OUTFALL)  
 Station ID No. 16628 (LPB3) GPS COORDINATES: = 30 0759.490 N 95 2837.803 W

MILITARY TIME	TEMP. C	pH	D.O.	CONDUCTIVITY	COLOR	ODOR	FLOW SEVERITY	AQUATIC ACTIVITY

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):

Primary Contact (Code # 89978) Evidence of Primary Contact Recreation (Code # 89979)

Field Measurements Depth: <1.5 Ft (=1/3 depth) >1.5' & <5.0' (=1' deep) 5'-10' (= 1' deep, middle, & 1' above btm.)  
 Fecal Coliform Sampling Depth = 1 Ft (0.3 M)  
 Present Weather: 1 = clear, 2 = partly cloudy, 3 = cloudy, 4 = rain, 5 = other  
 Water Clarity: 1 = excellent, 2 = good, 3 = fair, 4 = poor, 5 = other  
 Water Color: 1 = brownish, 2 = reddish, 3 = greenish, 4 = blackish, 5 = clear, 6 = other  
 Water Odor: 1 = sewage, 2 = oily/chemical, 3 = rotten egg, 4 = musky, 5 = fishy, 6 = none, 7 = other  
 Flow Severity: 1 = no flow, 2 = low, 3 = normal, 4 = flood, 5 = high, 6 = dry  
 Primary Contact, Observed Activity (# of People Observed) = 0-10, >10  
 Evidence of Primary Contact Recreation (1 = Observed, 0 = Not Observed)

UPPER PANTHER BRANCH WATER QUALITY MONITORING

Date: / / Instrument Person: Sampler: / /  
 MONTH DAY YEAR  
 Present Weather: Atmos. Temperature Deg. F:

Days Since Last Rain: Date: In.

Total Depth: Ft M  
 Depth of Measurements: Ft M  
 Transparency Tube: cm M  
 UPPER PANTHER BRANCH # 1 (UPSTREAM WWTP #2 OUTFALL)  
 Station ID No. 16629 (UPB1) GPS COORDINATES: = 30 1145.435 N 95 2918.592 W  
 MILITARY TIME TEMP. C pH D.O. CONDUCTIVITY COLOR ODOR FLOW SEVERITY AQUATIC ACTIVITY

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):

Primary Contact (Code # 89978) Evidence of Primary Contact Recreation (Code # 89979)

Total Depth: Ft M  
 Depth of Measurements: Ft M  
 Transparency Tube: cm M  
 UPPER PANTHER BRANCH # 2 (DOWNSTREAM WWTP #2 OUTFALL)  
 Station ID No. 16630 (UPB2) GPS COORDINATES: = 30 1138.175 N 95 2917.488 W  
 MILITARY TIME TEMP. C pH D.O. CONDUCTIVITY COLOR ODOR FLOW SEVERITY AQUATIC ACTIVITY

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):

Primary Contact (Code # 89978) Evidence of Primary Contact Recreation (Code # 89979)

USGS Gauge (cfs):  
 Total Depth: Ft M  
 Depth of Measurements: Ft M  
 Transparency Tube: cm M  
 UPPER PANTHER BRANCH # 3 (BEAR BRANCH - E.OF BRIDGE)  
 Station ID No. 16631 (UPB3) GPS COORDINATES: = 30 1125.450 N 95 2926.883 W  
 MILITARY TIME TEMP. C pH D.O. CONDUCTIVITY COLOR ODOR FLOW SEVERITY AQUATIC ACTIVITY

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):

Primary Contact (Code # 89978) Evidence of Primary Contact Recreation (Code # 89979)

Field Measurements Depth: <1.5 Ft (=1/3 depth) >1.5' & <5.0' (=1' deep) 5'-10' (= 1' deep, middle, & 1' above btm.)  
 Fecal Coliform Sampling Depth = 1 Ft (0.3 M). Ft. x 0.3048 = Meters  
 Present Weather: 1 = clear, 2 = partly cloudy, 3 = cloudy, 4 = rain, 5 = other  
 Water Clarity: 1 = excellent, 2 = good, 3 = fair, 4 = poor, 5 = other  
 Water Color: 1 = brownish, 2 = reddish, 3 = greenish, 4 = blackish, 5 = clear, 6 = other  
 Water Odor: 1 = sewage, 2 = oily/chemical, 3 = rotten egg, 4 = musky, 5 = fishy, 6 = none, 7 = other  
 Flow Severity: 1 = no flow, 2 = low, 3 = normal, 4 = flood, 5 = high, 6 = dry  
 Primary Contact, Observed Activity (# of People Observed) = 0-10, >10  
 Evidence of Primary Contact Recreation (1 = Observed, 0 = Not Observed)

SAN JACINTO RIVER AUTHORITY  
LAKE WOODLANDS 1 AND 2 WATER QUALITY MONITORING

Date:      /      /           Atmos. Temperature Deg. F:           Days Since Last Rain:           Date:           Inches:       
 Present Weather:       
 Instrument Person:           Sampler:     

MILITARY TIME:           GPS COORDINATES = 30 1030.584 N / 95 2818.768 W

SAMPLE LOCATION NO. 1 (Station ID No. 16484 - LW#1)		FT.	M.	TEMP.	D.O.	pH	CONDUC	SECCHI DISK:	
CONVENTIONAL CHEM. SAMPLES: YES / NO	SURFACE			°C				DOWN (IN.)	
BACTERIOLOGICAL SAMPLES: YES / NO	MID-DEPTH			°C				UP (IN.)	
ADDITIONAL PARAMETERS & METALS YES / NO	BOTTOM			°C				AVG. (IN.)	
								AVG. M. (0.00)	

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):     

Primary Contact (Code # 89978)           Evidence of Primary Contact Recreation (Code # 89979)       
 Water Color:           Total Depth:           Water Odor:     

MILITARY TIME:           GPS COORDINATES = 30 0945.096 N / 95 2841.156 W

SAMPLE LOCATION NO. 2 (Station ID No. 16483 - LW#2)		FT.	M.	TEMP.	D.O.	pH	CONDUC	SECCHI DISK:	
CONVENTIONAL CHEM. SAMPLES: YES / NO	SURFACE			°C				DOWN (IN.)	
BACTERIOLOGICAL SAMPLES: YES / NO	MID-DEPTH			°C				UP (IN.)	
ADDITIONAL PARAMETERS & METALS YES / NO	BOTTOM			°C				AVG. (IN.)	
								AVG. M. (0.00)	

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):     

Primary Contact (Code # 89978)           Evidence of Primary Contact Recreation (Code # 89979)       
 Water Color:           Total Depth:           Water Odor:     

Field Measurements Depth: <1.5 Ft (≈1/3 depth)      >1.5' & <5.0' (≈1' deep)      5'-10' (≈1' deep, middle, & 1' above btm.)

Fecal Coliform Sampling Depth = 1 Ft. (0.3 M)

Ft. x 0.3048 = Meters

Present Weather: 1 = clear, 2 = partly cloudy, 3 = cloudy, 4 = rain, 5 = other

Water Color: 1 = brownish, 2 = reddish, 3 = greenish, 4 = blackish, 5 = clear, 6 = other

Water Odor: 1 = sewage, 2 = Oily/chemical, 3 = rotten egg, 4 = musky, 5 = fishy, 6 = none, 7 = other

Primary Contact, Observed Activity (# of People Observed) = 0-10, >10

Evidence of Primary Contact Recreation (1 = Observed, 0 = Not Observed)

SAN JACINTO RIVER AUTHORITY  
LAKE WOODLANDS 3 AND 4 WATER QUALITY MONITORING

MILITARY TIME: \_\_\_\_\_ GPS COORDINATES = 30 0936.345 N / 95 2908.586 W

SAMPLE LOCATION NO. 3 (Station ID No. 16481 - LW#3)

CONVENTIONAL CHEM. SAMPLES: YES / NO	FT.	M.	TEMP.	D.O.	pH	CONDUCT	SECCHI DISK:
SURFACE			°C				DOWN (IN.)
MID-DEPTH			°C				UP (IN.)
BOTTOM			°C				AVG. (IN.)
							AVG. M.(0.00)

BACTERIOLOGICAL SAMPLES: YES / NO

ADDITIONAL PARAMETERS & METALS YES / NO

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS): \_\_\_\_\_

Primary Contact (Code # 89978) \_\_\_\_\_ Evidence of Primary Contact Recreation (Code # 89979)

Water Color: \_\_\_\_\_ Total Depth: \_\_\_\_\_ Water Odor: \_\_\_\_\_

MILITARY TIME: \_\_\_\_\_ GPS COORDINATES = 30 0918.657 N / 95 2858.184 W

SAMPLE LOCATION NO. 4 (Station ID No. 16482 - LW#4)

CONVENTIONAL CHEM. SAMPLES: YES / NO	FT.	M.	TEMP.	D.O.	pH	CONDUCT	SECCHI DISK:
SURFACE			°C				DOWN (IN.)
MID-DEPTH			°C				UP (IN.)
BOTTOM			°C				AVG. (IN.)
							AVG. M.(0.00)

BACTERIOLOGICAL SAMPLES: YES / NO

ADDITIONAL PARAMETERS & METALS YES / NO

COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS): \_\_\_\_\_

Primary Contact (Code # 89978) \_\_\_\_\_ Evidence of Primary Contact Recreation (Code # 89979)

Water Color: \_\_\_\_\_ Total Depth: \_\_\_\_\_ Water Odor: \_\_\_\_\_

Field Measurements Depth: <1.5 Ft (=1/3 depth) >1.5' & <5.0' (=1' deep) 5'-10'. (= 1' deep, middle, & 1' above btm.)

Fecal Coliform Sampling Depth = 1 Ft. (0.3 M)

Ft. x 0.3048 = Meters

Present Weather: 1 = clear, 2 = partly cloudy, 3 = cloudy, 4 = rain, 5 = other

Water Color: 1 = brownish, 2 = reddish, 3 = greenish, 4 = blackish, 5 = clear, 6 = other

Water Odor: 1 = sewage, 2 = Oily/chemical, 3 = rotten egg, 4 = musky, 5 = fishy, 6 = none, 7 = other

Primary Contact, Observed Activity (# of People Observed) = 0-10, >10

Evidence of Primary Contact Recreation (1 = Observed, 0 = Not Observed)

**Environmental Institute of Houston - University of Houston Clear Lake  
Clean Rivers Program Field Data/Sampling Sheet**

Station ID: \_\_\_\_\_ Date: \_\_\_\_\_ Sample Time: \_\_\_\_\_  
 Location: \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_  
 Collected By: \_\_\_\_\_

**FIELD MEASUREMENTS** (If < 1.5m deep - record @ 0.3m from surface; If ≥ 1.5m deep - perform profile @ 0.3m from bottom, @ middle, and @ 0.3m from surface)

	1	2	3	4	5
Temp (C)					
Conductivity (uS)					
Salinity (psu)					
DO (%sat)					
DO mg/L					
pH					
Depth (m)					

**FIELD OBSERVATIONS**

<input type="text"/> TOTAL DEPTH (m)	<input type="text"/> PRESENT WEATHER	1-clear 2-partly cloudy 3-cloudy 4-rain 5-other
<input type="text"/> WATER ODOR 1-sewage 2-oily/chemical 3-rotten egg 4-musky 5-fishy 6-none 7-other	<input type="text"/> FLOW SEVERITY	1-no flow 2-low 3-normal 4-flood 5-high 6-dry
<input type="text"/> WATER SURFACE 1-calm 2-ripples 3-waves 4-whitecap	<input type="text"/> FLOW (cfs)	
<input type="text"/> WIND INTENSITY 1-calm 2-slight 3-moderate 4-strong	<input type="text"/> FLOW METHOD	1-gage 2-electric 3-mechanical 4-weir/flume 5-doppler
<input type="text"/> WATER COLOR 1-brownish 2-reddish 3-greenish 4-blackish 5-clear 6-other	<input type="text"/> SECCHI DISK (m)	
<input type="text"/> TIDE STAGE 1-low 2-falling 3-slack 4-rising 5-high	<input type="text"/> RECREATIONAL USE	1=1° observed, 2=2° observed, 3=non-contact observed, 4=1° evidence, 5=2° evidence, 6=non- contact evidence, 7=no evidence
<input type="text"/> DAYS SINCE LAST SIG. RAINFALL	<input type="text"/> Primary Contact Rec. Observed	(enter number of people)
	<input type="text"/> Evidence of Primary Contact Rec. Observed	0= no evidence observed, 1= evidence observed

**WATER SAMPLES**

**FRESH** (Non-Tidal)       **MARINE** (Tidal)       Field Split Collected (yes/no)  
 *E. coli*       *Enterococcus*

Container	Preservative	Analysis Requested	Comments
2 x 1L - Plastic	Ice	TSS	
2 x 1L - Plastic	Ice, 2 mL H <sub>2</sub> SO <sub>4</sub> added	NH <sub>3</sub> , TPO <sub>4</sub> , NO <sub>2</sub> +NO <sub>3</sub>	
2 x 500ml - Plastic	Ice, 1 mL H <sub>2</sub> SO <sub>4</sub> added	TKN	
2 x 500ml - Plastic	Ice	Cl, SO <sub>4</sub> (fresh water only)	
2 x 4L - Plastic (amber)	Ice	Chlorophyll-a (select sites)	
1 x 100ml - Plastic	Ice, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> tablet	Bacteria (Entero and/or <i>E. coli</i> )	

**ADDITIONAL INFORMATION & REMARKS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* If site is dry, determine if there is any pool with 500m reach. If pool(s) exists (> 10 m in length and 0.4m deep) record: Lat \_\_\_\_\_ Long \_\_\_\_\_ of largest pool in reach  
 Maximum pool width \_\_\_\_\_ (m), Maximum pool depth \_\_\_\_\_ (m), Pool length \_\_\_\_\_ (m), and percent pool coverage in 500m reach \_\_\_\_\_ %.

**Texas Research Institute for Environmental Studies - Sam Houston State University**  
**Clean Rivers Program Field Data/Sampling Sheet**

Station ID: \_\_\_\_\_ Date: \_\_\_\_\_ Sample Time: \_\_\_\_\_  
 Location: \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_  
 Collected By: \_\_\_\_\_

**FIELD MEASUREMENTS** (If < 1.5m deep - record @ 0.3m from surface; If ≥ 1.5m deep - perform profile @ 0.3m from bottom, @ middle, and @ 0.3m from surface)

	1	2	3	4	5
Temp (C)					
Conductivity (uS)					
Salinity (psu)					
DO (%sat)					
DO mg/L					
pH					
Depth (m)					

**FIELD OBSERVATIONS**

<input type="text"/>	TOTAL DEPTH (m)	<input type="text"/>	PRESENT WEATHER	1-clear 2-partly cloudy 3-cloudy 4-rain 5-other	
<input type="text"/>	WATER ODOR	1-sewage 2-oily/chemical 3-rotten egg 4-musky 5-fishy 6-none 7-other	<input type="text"/>	FLOW SEVERITY	1-no flow 2-low 3-normal 4-flood 5-high 6-dry
<input type="text"/>	WATER SURFACE	1-calm 2-ripples 3-waves 4-whitecap	<input type="text"/>	FLOW (cfs)	
<input type="text"/>	WIND INTENSITY	1-calm 2-slight 3-moderate 4-strong	<input type="text"/>	FLOW METHOD	1-gage 2-electric 3-mechanical 4-weir/flume 5-doppler
<input type="text"/>	WATER COLOR	1-brownish 2-reddish 3-greenish 4-blackish 5-clear 6-other	<input type="text"/>	SECCHI DISK (m)	
<input type="text"/>	TIDE STAGE	1-low 2-falling 3-slack 4-rising 5-high	<input type="text"/>	RECREATIONAL USE	1=1° observed, 2=2° observed, 3=non-contact observed, 4=1° evidence, 5=2° evidence, 6=non- contact evidence, 7=no evidence
<input type="text"/>	DAYS SINCE LAST SIG. RAINFALL		<input type="text"/>	Primary Contact Rec. Observed	(enter number of people)
			<input type="text"/>	Evidence of Primary Contact Rec. Observed	0= no evidence observed, 1= evidence observed

**WATER SAMPLES**

<input type="checkbox"/> <b>FRESH</b> (Non-Tidal)	<input type="checkbox"/> <b>MARINE</b> (Tidal)	<input type="text"/> Field Split Collected (yes/no)
<input type="checkbox"/> <i>E. coli</i>	<input type="checkbox"/> <i>Enterococcus</i>	

Container	Preservative	Analysis Requested	Comments
2 x 1L - Plastic	Ice	TSS	
2 x 1L - Plastic	Ice, 2 mL H <sub>2</sub> SO <sub>4</sub> added	NH <sub>3</sub> , TPO <sub>4</sub> , NO <sub>2</sub> +NO <sub>3</sub>	
2 x 500ml - Plastic	Ice, 1 mL H <sub>2</sub> SO <sub>4</sub> added	TKN	
2 x 500ml - Plastic	Ice	Cl, SO <sub>4</sub> (fresh water only)	
2 x 4L - Plastic (amber)	Ice	Chlorophyll-a (select sites)	
1 x 100ml - Plastic	Ice, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> tablet	Bacteria (Entero and/or <i>E. coli</i> )	

**ADDITIONAL INFORMATION & REMARKS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* If site is dry, determine if there is any pool with 500m reach. If pool(s) exists (> 10 m in length and 0.4m deep) record: Lat \_\_\_\_\_ Long \_\_\_\_\_ of largest pool in reach  
 Maximum pool width \_\_\_\_\_ (m), Maximum pool depth \_\_\_\_\_ (m), Pool length \_\_\_\_\_ (m), and percent pool coverage in 500m reach \_\_\_\_\_%.