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

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

· · · · · · · · · · · · · · · · · · ·				i ime:	arrive	sar	mple	a	epart
ocation:					Lat:			Long:	
Collected By:									
FIELD N	IEASUREMENT	S (II < 1,5m deep	recent @ 0.3m fro	m surface; if ≥ 1	Sm: deep - perfor	m profile @ 0.3	m from betton	i. @ middle, and	@ 0:3m from surface)
**************************************	1		2		3			4	5
omn (C)		-	<u></u>	•					
emp (C)					_			-	
onductivity (uS)									<u> </u>
alinity (psu)									
O (%sat)									
O mg/L									
н		_							
epth (m)									
	Tall alvers of the state of the		9 300000000	FIELD OBS	ERVATIONS				
	TOTAL DESTILLA					DESCRIT	WEATHER	1 close 2 parth	r cloudy 3-cloudy
	TOTAL DEPTH (m)						VVENINER	4-rain 5-other	Goody 3-doddy
	SAMPLING DEPTH	(m)				DAYS SINC	E LAST SIG.	RAINFALL	
	% CLOUD COVER					FLOW SEV	ERITY	1-no flow 2-low	
	WIND SPEED					FLOW (cfs)		4-flood 5-high	6-dry
	WIND DIRECTION					FLOW MET	нор		ric 3-mechanical
	AIR TEMP (C)					SECCHI DIS	SK (m)	4-weir/flume 5-	doppler
	WATER ODOR	1-sewage 2-oily/ch				RECREATION	NAL USE	observed, 4=1°	2=2° observed, 3=non-contact evidence, 5=2° evidence, 6=nor
<u> </u>	WATER SURFACE	4-musky 5-fishy 6-r 1-calm 2-ripples :				Primary Cor	ntact Rec. Obs		ce, 7=no evidence umber of people)
	WIND INTENSITY	_				Evidence of P Rec. Observe	rimary Contact d	Q= no evidence o	observed, †≂ evidence observed
	1	3-moderate 4-stro	-		_	٦			
	WATER COLOR	1-brownish 2-redo 4-blackish 5-clear				Forel-Ule Co	olor		
	TIDE STAGE	1-low 2-falling 3-s	ack 4-rising 5-high			HACH Colo	r Wheel	HR / LR	
			Jan Linguis and Science	WATER:	SAMPLES				
	FRESH (Non-Tidal)	X	MARINE (Tidal)			TURBIDITY	(NTU) BOT	TLE #	
	E. coli	×	Enterococcus			CHL-A, AVO	G <b>(</b> μg/L) (1)	(2)	(3)
					NO	Field Split C	Collected (yesh	10)	
Conta	ainer	Prese	rvative	Analysis	Requested			Commer	nts
	- Plastic - Plastic	lce lce, 2 mL H <sub>2</sub> SO	, added	TSS NH <sub>3</sub> , TPO <sub>4</sub> , NO	)-+NO-	+			<u> </u>
1 x 500m	l - Plastic	Ice, 1 mL H <sub>2</sub> SO		TKN		<b>†</b> =			
1 x 500m 1 x 4L - Pla	l - Plastic stic (amber)	Ice Ice		Cl. SO <sub>4</sub> (fresh Chlorophyil-a (		+		· · · · ·	
	if - Plastic	Ice, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> tai	olet	<del></del>	ro and/or E. coli)				
	ti e e é e		ADDITIO	NAL INFOR	MATION & RE	MARKS	E GAL		ploto de Carlo Spare de Car
ternarks:									
						-			
		_							
					<u>.</u>				



# Pollution Control Services Department 101 S. Richey. Suite H Pasadena. Texas 77506 FAX: 713-274-6475 713-92 SAMPLING RECORD: Clean Rivers Program Sites

713-920-2831

ID NO.:		PERMIT NO.:	OU1	FALL:	DATE:	TIME: _	AM/PM
					KEY MAP:	MS4?(	Y/N):
SITE:						LONGITI	JDE:
	CTIONS:				KEXS: _		
	.011011.51	<del>-</del>					
		_	TESTS AND M	<u>IEASUREM</u>	IENTS		
	TEMPERAT	rure °C				SALINITY (ppt)	
	pH (standar	d units)				SPECIFIC CONDUCTI	VITY (us/cm)
	DISSOLVE	D OXYGEN (mg/l)				SECCHI DISK TRANS	PARENCY (meters)
			FIELD OBS	ERVATION	NS		
	SURFACE	CONDITIONS: 1-clear 2 4-debris 5			PRESENT WEA	ATHER: 1-clear 2-par 4-rain 5-oth	
	TURBIDITY	: 1-law 2-medium 3-high	ı		DAYS SINCE L	AST SIGNIFICANT RA	
		IRFACE: 1-calm 2-ripples			<del>-</del> 1	TY: 1-calm 2-slight 3	
	WATER CO	DLOR: 1-brownish 2redo 4-blackish 5-clear	=		TIDE STAGE:	1-low 2-falling 3-slack	4-rising 5-high
	WATER OD	POR: 1-sewage 2-chemic 4-musky 5-fishy	•••		- Total c	depth (me	ters)
			SAN	APLES			
GRAB			DIRECT INDIRECT		REPORT	: TYES [	□ NO
Amt. Col.	Container	Preservative	Anai	lysis Requeste	ed	Comments	
				<del></del>			
			-				
		<del>.</del>					
		-					
			REM	1ARKS			
			···				
799	18 =						
737	179=				<del>,</del>		
			Momen	TC ATTON			
CONTACT P	ERSON:		PHONE:	ICATION		DATE:	
					_		AM/PM
PERSON CO	NTACTED/TI	TLE:			AFFILIATION	·	<del></del>
RESPONSE					<del></del>		
·			<u>C</u> US	TODY			
INSPECTED	/SAMPLED B	Y:		RECE	EIVED IN LABORAT	ORY BY:	
DATE:		<u> </u>	TIME:	AM/	PM RUN	NUMBER:	

## H-GAC – Ambient Monitoring Data Sheet

Date:	_//	Stati	ion:							
Time (milita	ry):	Samp	les Col	lected by:						
Total Water I		meters					of Days Sind			
Sampling Dep		meters								
Water Temper	rature	°C		-	<del> </del>		_			
Specific Cond	uctance	μS/cm								
Salinity		960								_
рН		standard units								
Dissolved Ox	ygen	mg/L								
Secchi disk or tube	Observed Turbidity	Water Clarity	Wate Cole		Odor	Present Weather	Wind Intensity	Water Surface	Flow Severity	Tide Stage
meters	1 - Iow 2 - medium 3 - high	1 - excellent 2 - good 3 - fair 4 - poor	1 - brownis 2 - reddish 3 - greenish 4 - blackish 5 - clear 6 - other	2 - oily/ch 3 - rotten	egg 3	- clear - partly cloudy - cloudy - raining - other	1 – calm 2 – stight 3 –moderate 4 – strong	I – calm 2 – ripples 3 – waves	1 - no flow 2 - low 3 - normai 4 - flood 5 - high 6 dry	1 - low 2 - falling 3 - stack 4 - rising 5 - high
Flow	cfs			Maximum Poo	ol Width	met	ers			<u> </u>
Flow	l – gage 2 – electric			Maximum Poo	ol Depth	met	ers		<u> </u>	
Method	3 - mechanical 4 - weir/flume 5 - Doppler			Pool Length		met	ers		_	· - 1
Chlorine	Residual			Percent Pool C 500 meter Rea		%	5			
Primary Conta Observed	act, # of Peopl (1-10, >10)	e					<b>_</b>	-		-
	rimary Contac ed. 0 - Not erved)	et,		Comments						
				or Observation						
		Contain			Preservat		Analyses	N	Ţ	Requested
Fresh (non-ti	dal) <u>~</u>	1 x 500 1 x 1 L	mL Plasti Plastic	<u>c</u>	Iced, H <sub>2</sub> S		TSS TKN NH3	NO2+NO3, TPC	<u> </u>	
Marine (tidal	)	1 x 500	mL Plasti		Iced		CL, SO4 (fresl	h only)		
		[ 1 x 100	mL Steril	e Plastic	lced		Bacteria: E	E. coli Enteroco	ccus	
Field Split?	Yes No									
If no, Date of last s	plit:	Surv	eyor SN	l:			_ Sonde S	N:		
Updated: January	3, <b>20</b> 13									

#### H-GAC Surface Water Quality Monitoring Program

#### Stream Flow (Discharge) Measurement Form

Stream:		<u>-</u> -			Date:
Station:					
Description:					
			Meter Type:		<u> </u>
Observers:		Stream W	"idth*:	Section Wid	th (VV):
Observations:					
Section Midpoint (ft) (m)	Section Depth (ft) (m) (cm)	Observational Depth**	Velocit	ty (V)	Flow (Q) (m³/s) (ft³/s)
(1.7)	(D)	(ft)(m)	At Point (ft/s)(m/s)	Average (ft/s)(m/s)	Q = (W)(D)(V)
		······································			
	,				
				<del></del>	
<del>-</del>		_			
			<u> </u>		

Page \_\_\_1\_\_ of \_\_\_\_\_

#### Stream Flow (Discharge) Measurement Form

tation:Date:												
Section Midpoint	1	Observational Depth**	Velocit	y (V)	Flow (Q)							
(ft) (m)	(ft) (m) (cm) (D)	(ft)(m)	At Point (ft/s)(m/s)	Average (ft/s)(m/s)	$(m^3/s) (ft^3/s)$ Q = (W)(D)(V)							
				<del></del>								
			_									
	<u> </u>											

## 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 of Sam	ple		Sampler					
Run Number	Station ID			Time Sampled				
Stream Nam	e & Intersecting Street		-					
FIELD OBSE	ERVATIONS			Fie	eld Meter #:			
Number of d	ays since significant rainfa	all		Aq	ueous Matrix			
Flow	Tidal Stage			Water Surface_				
Severity 1 - no flow 2 - low 3 - normal 4 - flood 5 - high 6 - dry	1 - low 2 - falling 3 - <del>slac</del> k 4 - rising 5 - high	1 - brownish 2 - reddish 3 - greenish 4 - blackish 5 - clear 6 - other*	1 - sewage 2 - oity/chemical 3 - rotten egg 4 - musky 5 - fishy 6 - none 7 - other *	1 - calm 2 - ripples 3 - waves 4 - whitecaps	1 - clear 2 - partly cloudy 3 - cloudy 4 - rain 5 - other			
Wind	Flow		Flow cfs		Sample Depthft			
Intensity  1 - calm 2 - slight 3 - moderate 4 - strong	Method  1 - flow-gauge station 2 - electronic 3 - mechanical 4 - weir or flume 5 - Doppler		Secchi Depth cr Evidence of Primary Contact Rec 1 - Observed 0 - Not Observed  *Other Observations:		Total Depth ft  # people observed (1-10,>10)			
INSTRUMEN	T READINGS							
Temp	Conductivity	(0.03 to 60 mS/cm)	DO	_ pH	Salinity			
,	R ANALYSIS (Circle what is requ	,	(0.5 to 15.0 mg/L)	(5.0 to 10.0)	( 009 to 45.0 PSS)			
1	pH 3TSS	5Cl-	7N-NH3 9	E. coli/Enterococcus				
2	Conductivity 4N-NO	3 6804	8T-PO4					
Number of Co Samples Recei	ntainers: 100 mL sterilize	ed bottle1	L plastic1 L plastic w/	2 mL H₂SO4 200	mL sterilized bottle			
Samples deli	ivered by:							
Microbiology	1							
Sample No	'	Rece	eived by:(signature on	lv)	_Date:			
Chemistry			eived by:	••	Date:			

(signature only)

#### WATER QUALITY LABORATORY

San Jacinto River Authority - Lake Conroe Division LAKE CONROE MONITORING

#### FIELD SHEET & CHAIN OF CUSTODY

Effective Date:09/01/2013

Document ID: 150

Version: 1.06

Date of S	Sampling:		Days Since	Last Significant	Rainfall :		Samples Colle	cted By:				-		
Sample i	Run Collected Monthly		Reservoir S	itage:	<del></del>	Reservoir % Full:_			Release in (	CFS:		_		
	Note: All hydrolab field da Hydrolab field measurem							I DO.	Sampling D	epth: All wate	er samples col	lected from 1	l foot (0.3 met	er).
Sample No.	Station Name	Watershed ID	TCEQ ID	Time	Total Depth (ft)	Number of Profile readings	Secchi 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	_					1					
	SPLIT SAMPLE											· · ·		
Comme	nts:							1-brownish 2-reddish 3-greenish 4-blackish 5-clear 6-other	1-sewage 2-oily/chemical 3-rotten egg 4-musty 5-fishy 6-none 7-other	1-clear 2-p.cloudy 3-cloudy 4-rain 5-other	1-caim 2-slight 3-mod. 4-strong	1-calm 2-rippie 3-wave 4-whitecap	# of People 1-10, >10	1- Observed 0-NotObserved
Bottles u		1-100ml steril	lized bottle fo 1-250ml ai	, Total Coliform, E r Bacti analysis, mber bottle acidifi , NO <sub>2</sub> -N, NO <sub>3</sub> -N,	1-500mt plasti ied with H₂SO₄	ic bottle for WQP anal for T-phos. & TOC an	lysis, 1-500 mi alysis.	L plastic bott	le acidified with		e <u>r</u> when Receive	d at Lab:_	L	L
Biologica Relinquis	il Samples ihed By :		Date:		Time:		Chemical Samp Relinquished B	oles iy :						
	it Samples By :	-	Date:		Time:		Chemical Samp Received By :_	oles						

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

Date: / / MONTH DAY YEAR	Atmos. Temp	perature Deg. hther:	F:		Days Since L	ast Rain:	D	)ate:	_ Inches:
Instrument Person:				pler:		_			
MILITARY TIME:GPS COO	RDINATES =	30 1030.584	N / 95 28	318.768	w				SECCHI DISK:
SAMPLE LOCATION NO. 1 (Station I	D No. 16484 -	LW#1)	FT.	M	TEMP.	D.O.	pН	CONDUC	DOWN (IN.) —
CONVENTIONAL CHEM. SAMPLES: Y	'ES / NO	SURFACE			°C	·			UP (IN.) —
BACTERIOLOGICAL SAMPLES: Y	ES / NO	MID-DEPTH			°C				AVG. (IN.)
ADDITL PARAMETERS & METALS Y	'ES / NO	воттом			°C				AVG. M.(0.00)
COMMENTS (FIELD OBSERVATIONS	/ UNUSUAL	OCCURRENC	ES / SA	MPLE C	OLLECTION P	ROBLEM	(IS):		<u> </u>
Primary Contact (Code # 89978)		Evidence of F	Primary (	Contact	Recreation (Co	de # 899	79)		
Water Color:	-	Total Depth:_	_			,	·	Water Odd	or:
MILITARY TIME:GPS COO	RDINATES =	30 0945.096	N / 95 28	341.156	w			<del></del>	SECCHI DISK:
SAMPLE LOCATION NO. 2 (Station I	D No. 16483 -	LW#2)	FT.	М.	TEMP.	D.O.	pН	CONDUC	DOWN (IN.) ——
CONVENTIONAL CHEM. SAMPLES: Y	'ES / NO	SURFACE			•c				UP (IN.) —
BACTERIOLOGICAL SAMPLES: Y	ES / NO	MID-DEPTH			°c				UP (IN.) —— AVG. (IN.) ——
ADDITL PARAMETERS & METALS Y	'ES / NO	воттом			°C				AVG. M.(0.00)
COMMENTS (FIELD OBSERVATIONS	/ UNUSUAL (	OCCURRENC	ES / SAI	MPLE C	OLLECTION P	ROBLEM	<u>(</u> S):		
Primary Contact (Code # 89978)		Evidence of F	Primary (	Contact	Recreation (Co	de # 899j	79)		
Water Color:	_	Total Depth:_						Water Odd	or:
Field Measurements Depth: <1.5 Ft ( Fecal Coliform Sampling Depth = 1 Ft Ft. x 0.3048 = Meters Present Weather: 1 = clear, 2 = partly Water Color: 1 = brownish, 2 = reddis Water Odor: 1 = sewage, 2 =Oily/chel Primary Contact, Observed Activity ( Evidence of Primary Contact Recrean	t. (0.3 M) r cloudy, 3 = 0 sh, 3 = greeni mical, 3 = rot # of People C	cłoudy, 4 = ra sh, 4 = black ten egg, 4 = i Observed )= 0	iin, 5 = 0 iish, 5 = musky, 5 )-10, >10	ther clear, 6 i = fishy	-10' (= 1' dee) = other v, 6 = none, 7 =		e, & 1' a	bove btm.)	

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

MILITARY TIME: GPS COORDINATES	= 30 0936.345	N / 95 2	908.586	Ν				SECCHI DISK:
SAMPLE LOCATION NO. 3 (Station ID No. 16481	- LW#3)	FT.	М.	TEMP.	D.O.	рН	CONDUC	DOWN (IN.)
CONVENTIONAL CHEM, SAMPLES: YES / NO	SURFACE			°c	**			UP (IN.) —
BACTERIOLOGICAL SAMPLES: YES / NO	MID-DEPTH			°C				AVG. (IN.)
ADDIT'L PARAMETERS & METALS YES / NO	воттом			°C				AVG. M.(0.00)
COMMENTS (FIELD OBSERVATIONS / UNUSUAL	OCCURREN	CES / SA	MPLE C	OLLECTION P	PROBLEM	/IS):		
Primary Contact (Code # 89978)	_Evidence of	Primary	Contact F	Recreation (Co	de # 899	79)		
Water Color:	Total Depth:						Water Ode	or:
MILITARY TIME: GPS COORDINATES	= 30 0918.657	N / 95 2	858.184	N				SECCHI DISK:
SAMPLE LOCATION NO. 4 (Station ID No. 16482	- LW#4)	FT.	М.	TEMP.	Đ.O.	pН	CONDUC	DOWN (IN.)
CONVENTIONAL CHEM. SAMPLES: YES / NO	SURFACE			°C			].	UP (IN.) —
BACTERIOLOGICAL SAMPLES: YES / NO	MID-DEPTH			°C				AVG. (IN.)
ADDIT'L PARAMETERS & METALS YES / NO	воттом			°C				AVG. M.(0.00)
COMMENTS (FIELD OBSERVATIONS / UNUSUAL Primary Contact (Code # 89978)								
Water Color:	Total Depth:						Water Od	or:
Field Measurements Depth: <1.5 Ft (=1/3 depth) Fecal Coliform Sampling Depth = 1 Ft. (0.3 M) Ft. x 0.3048 = Meters Present Weather: 1 = clear, 2 = partly cloudy, 3 = Water Color: 1 = brownish, 2 = reddish, 3 = greet Water Odor: 1 = sewage, 2 = Oily/chemical, 3 = ro Primary Contact, Observed Activity (# of People Evidence of Primary Contact Recreation (1 = Observed)	cloudy, 4 = r nish, 4 = blac otten egg, 4 = Observed )=	ain, 5 = 6 kish, 5 = musky, 0-10, >16	other clear, 6 5 = fishy			e, & 1' a	tbove btm.)	

## SAN JACINTO RIVER AUTHORITY UPPER PANTHER BRANCH WATER QUALITY MONITORING

Date: / / MONTH DAY YEAR		Instrument	Person:		San	npler:	· · · · · · · · · · · · · · · · · · ·	
Present Weather:		Atmos. T	emperature Deg. F;					
Davis Since Last Dais	Data		4-			•		
Days Since Last Rain:	_ Date:_		In			Total Depth:	C+	M
						easurements:		W
UPPER PANTHER BRANCH	# 1 (HPS	TREAM WW	MTP #2 OUTFALL)			cy Tube:	''	M
Station ID No. 16629 (UPB1)	(0. 0	I I VENIEL AND	GPS COORDINATES:	= 30 1145		2918.592 W		[AQUATIC]
MILITARY TIME TEMP. C	На	D.O.	CONDUCTIVITY	COLOR	ODOR	FLOW SEVE	RITY	ACTIVITY
-								1.5
COMMENTS (FIELD OBSERV	/ATIONS	/ LINUSULA	OCCURRENCES / S/	MDI E COI	LECTION D	DOBI EM67		
00	71110110	, 0,1000, 4	- 00001111E110E0707	WIII EE OO	LECTION	NODELINO).		
D: 0 (0 # 0007	<b>5</b> \		=					
Primary Contact (Code # 8997	8)		Evidence of Primary C	ontact Recr	eation (Code			
						Total Depth:	Ft _	M
						easurements:		M
UPPER PANTHER BRANCH	# 2 (DOW	NSTREAM	•			cy Tube:	cm _	M
Station ID No. 16630 (UPB2)	-11		GPS COORDINATES:					AQUATIC
MILITARY TIME TEMP. C	рН	D.O.	CONDUCTIVITY	COLOR	ODOR	FLOW SEVE	RITY	ACTIVITY
			<u> </u>					
COMMENTS (FIELD OBSERV	'ATIONS	/ UNUSUAL	LOCCURRENCES / SA	AMPLE CO	LECTION P	ROBLEMS):		
Primary Contact (Code # 8997	8)		Evidence of Primary C	ontact Recr	·	USGS Gauge (cf:		
						Total Depth:		M
						easurements:		M
UPPER PANTHER BRANCH	# 3 (BEA	R BRANCI			Transparen	cy Tube:	cm _	M
Station ID No. 16631 (UPB3)			GPS COORDINATES:					AQUATIC
MILITARY TIME TEMP. C	pH_	D.O.	CONDUCTIVITY	COLOR	ODOR	FLOW SEVE	RITY	ACTIVITY
COMMENTS (FIELD OBSERV	'ATIONS	/ UNUSUAL	OCCURRENCES / SA	MPLE COL	LECTION P	ROBLEMS):		
Primary Contact (Code # 8997)	8)		Evidence of Primary C	ontact Recr	eation (Code	# 89979)		
			•		•	·		
Field Measurements Depth:	<1.5 Ft (=	=1/3 depth)	>1.5' & <5.0' (=1' d	eep) 5'-1	0' <i>(=</i> 1' deer	o, middle, & 1' abe	ove htm )	
Fecal Coliform Sampling Dep					- ,	, , , , , , , , , , , , , , , , , , , ,	ore buil.,	
Present Weather: 1 = clear, 2								
Water Clarity: 1 = excellent, 2								
Water Color: 1 = brownish, 2	_		•	oloor 6 = a				
Water Odor: 1 = sewage, 2 =						-41		
Flow Severity: 1 = no flow, 2					- none, / =	omer		
Primary Contact, Observed A								
Evidence of Primary Contact								

## SAN JACINTO RIVER AUTHORITY LOWER PANTHER BRANCH WATER QUALITY MONITORING

MONTH DAY YEAR  Present Weather: Atmos. Temperature Deg. F:		
Present Weather: Atmos. Temperature Deg. F:		
Days Since Last Rain: Date: In		
Total Depth:	Ft	M
Depth of Measurements:		
LOWER PANTHER BRANCH # 2 (UPSTREAM WWTP # 1 OUTFALL) Transparency Tube:		N
Station ID No. 16627 (LPB2) GPS COORDINATES: = 30 0806.888 N 95 2841.820 W		AQUATIC
MILITARY TIME TEMP. C pH D.O. CONDUCTIVITY COLOR ODOR FLOW SEVE	RITY	ACTIVITY
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):		
<u> </u>		
<del></del>	•	
Primary Contact (Code # 89978) Evidence of Primary Contact Recreation (Code # 89979)		
	_	
LISCS Course (afa	١.	
		M
	cm _	
UU TARV TUGE TELES A	RITV	ACTIVITY
- STANDONNI COLON COLON TEOWNSEVE	1314 1	TOUR DESIGNATION
COMMENTS (FIELD OBSERVATIONS / LINUSUAL OCCUPRENCES / SAMPLE COLLECTION PRODUCTION		
FORMALITY (1. 1223 OBSERVATIONS / SNOGSAL OCCURRENCES / SAMPLE CULLECTION PROBLEMS):		
Di O ) . //O / // 20070)		
Frimary 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' abo	ve btm.)	
	e <i>r</i> s	
Present Weather: 1 = clear, 2 = partly cloudy, 3 = cloudy, 4 = rain, 5 = other		
Vater Clarity: 1 = excellent, 2 = good, 3 = fair, 4 = poor, 5 = other		
Nater Odor: 1 = sewage, 2 = oily/chemical, 3 = rotten egg. 4 = musky. 5 = fishy. 6 = none. 7 = other		
USGS Gauge (cfs):		
low Severity: 1 = no flow, 2 = low, 3 = normal, 4 = flood, 5 = high, 6 = day		
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		



#### CITY OF HOUSTON

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

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Analysis Required:  VOC, WQP*, T-phos, Ammonia. Total Coliform, E. coli., Entero (Qtrly)  Analysis Required:  VOC, WQP*, T-phos, Ammonia. Total Coliform, E. coli., Entero (Qtrly)  Analysis Required:  VOC, WQP*, T-phos, Ammonia. Total Coliform, E. coli., Entero (Qtrly)  Analysis Required:  VOC, WQP*, T-phos, Ammonia. Total Coliform, E. coli., Entero (Qtrly)  Analysis Required:  VOC, WQP*, T-phos, Ammonia. Total Coliform, E. coli., Entero (Qtrly)  1-100rml sterifized bottle for Bacti analysis.  1-250rml plastic bottle for WQP analysis.  NH <sub>2</sub> analysis includes:  PH, Cond , TSS, Alk, Hard, NO <sub>2</sub> -N, NO <sub>3</sub> -N, F, Cl, Br, SO <sub>4</sub> Temperature of Samples when Received at Lab_										Last Significa			ture :	Air Tempera		Sampling:	
Suspon Name	Water	ue I							 depth by p						1 1		
2 NAILROAD BRIDGE MIDDLE OF LAKE 1068 1 ULESSEN PARK MARNA 5 WEST FORK BICKAY BRIDGE 1121 1 1807 7 KINGWOOD MARINA 8 WEST FORK BICKAY BRIDGE 1121 1 1807 9 LUCES BAYOU WATER WONDERLAND 1807 10 TREASURE ISLAND MAGNOLIA PT. 11 BLYS MARINA 12 LAKE HOUSTON MARINA 13 EAST FORK McKAY BRIDGE 1121 1 BLYS MARINA 1 SEAST FORK McKAY BRIDGE 1121 1 BLYS MARINA 1 SEAST FORK McKAY BRIDGE 1121 1 SPLIT SAMPLE ONE 1 SPLIT SAMPLE ONE 1 SPLIT SAMPLE TWO 2 SPLIT SAMPLE TWO 3 SPLIT SAMPL	Surface F								рΗ					Time			
3 LAKE SHADOWS MIDDLE OF LAKE 4 OUESSEN PARK MARINA 5 WEST FORK McKAY BRIDGE 11211 6 ATASCOCITA POINT 7 KINGWOOD MARINA 1 19667 7 KINGWOOD MARINA 1 19670 9 LUCES BAYOU WATER WONDERLAND 10570 17 TREASURE ISLAND MAGNOLIA PT. 10 BJS MARINA 11 BJS MARINA 12 LAKE HOUSTON MARINA 13 EAST FORK McKAY BRIDGE 11212 14 INTAKE TOWER 15 LAKE WOLLD TO MARINA 15 SAUTH SAMPLE ONE 16 SPLIT SAMPLE ONE 17 SPLIT SAMPLE TWO 18 SPLIT SAMPLE TWO 19 SPLIT SAMPLE TWO 20 SPLIT SAMPLE TWO			į													LAKE PATROL MARINA	1
LAKE SHADOWS MIDDLE OF LAKE  4 DUESSEN PARK MARNA  5 WEST FORK McKAY BRIDGE  11211  6 ATASCOCITA POINT  7 KINGWOOD MARINA  18677  19 LUCES BAYOU WATER WONDERLAND  19 TREASURE ISLAND MAGNOLIA PT.  10 TREASURE ISLAND MAGNOLIA PT.  10 BJS MARINA  12 LAKE HOUSTON MARINA  12 LAKE HOUSTON MARINA  13 EAST FORK McKAY BRIDGE  11212  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE TWO  16 SPLIT SAMPLE TWO  17 SAMPLE TWO  18 SPLIT SAMPLE TWO  19 SPLIT SAMPLE TWO															11208	RAILROAD BRIDGE MIDDLE OF LAKE	2
5   WEST FORK McKAY BRIDGE   11211															16668	LAKE SHADOWS MIDDLE OF LAKE	3
ATACOCITA POINT  19687  KINGWOOD MARINA  18676  LUCES BAYOU WATER WONDERLAND  18676  10 TREASURE ISLAND MAGNOLIA PT.  10 BJ'S MARINA  12 LAKE HOUSTON MARINA  13 EAST FORK McKAY BRIDGE  110 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  16 LINE MOUSTON MARINA  17 LAKEWELL  SPLIT SAMPLE TWO  18 LINE MOUSTON MARINA  19 LOOS SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  10 LINE MOUSTON MARINA  11 LINE MOUSTON MARINA  12 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  10 LINE MOUSTON MARINA  10 LINE MOUSTON MARINA  11 LINE MOUSTON MARINA  11 LINE MOUSTON MARINA  12 LAKEWELL  SPLIT SAMPLE ONE  SPLIT S			1													DUESSEN PARK MARINA	4
ARASCOCITA POINT  NINGWOOD MARINA  WEST FORK Belieau Wood Dr.  20782  LUCES BAYOU WATER WONDERLAND  100  TREASURE ISLAND MAGNOLIA PT.  101  BJS MARINA  112  LAKE HOUSTON MARINA  113  EAST FORK McKAY BRIDGE  114  INTAKE TOWER  115  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  DIMMENTS  VOC. WCP*, T-phos. Armonia. Total Coliform. E coli. Entero (Citry)  1-100ms storkized bottle for Bach amalysis.  1-200m malysis Required:  NNA analysis.  1-200m malysis includes:  PMCP analysis includes:  NAP analysis includes:  PMCP analysis includes:  Temperature of Samples when Received at Lab ph. Cord., TSS, Alk, Hard, MO, N. No, N. P., F. C. B. P. SO4.															11211	WEST FORK McKAY BRIDGE	5
8 WEST FORK Belieau Wood Dr. 20782   18870   1								ļ						. =	18667	ATASCOCITA POINT	6
LUCES BAYOU WATER WONDERLAND  10 TREASURE ISLAND MAGNOLIA PT.  11 BJ'S MARINA  12 LAKE HOUSTON MARINA  13 EAST FORK McKAY BRIDGE  11 INTAKE TOWER  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  TOWN THE SPLIT SAMPLE TW									 							KINGWOOD MARINA	7
LUCES BAYOU WATER WONDERLAND  10 TREASURE ISLAND MAGNOLIA PT.  11 BU'S MARINA  12 LAKE HOUSTON MARINA  13 EAST FORK McKAY BRIDGE  11212  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  COMMENTS:  15 COMMENTS:  16 Town Statistical bottle analysis.  17 COMMENTS:  18 Required:  19 COL, WGP', T-phos, Ammonia, Total Coliform E coli, Entero (Othy)  1-100ml statistical bottle for Bacta analysis.  1-500ml plastic bottle for WQP analysis.  Temperature of Samples when Received at Lab_  Temperature of Samples when Received at Lab_  Temperature of Samples when Received at Lab_															20782	WEST FORK Belleau Wood Dr.	8
TREASURE ISLAND MAGNOLIA PT.  11 BJ'S MARINA  12 LAKE HOUSTON MARINA  13 EAST FORK MCKAY BRIDGE  11212  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  1 Interval of Sample Science (Spring Science Scien															18670	LUCES BAYOU WATER WONDERLAND	9
BJS MARINA  12 LAKE HOUSTON MARINA  13 EAST FORK McKAY BRIDGE  11212  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  Comments:  1-no flow 1-flow 1-flow 1-flow 1-flow 1-flow 1-flowngap 1-clear 1-clear 1-flow 2-flow 2-flowngap 1-clear 1-clear 1-flow 1-flow 1-flow 1-flowngap 1-clear 1-clear 1-flow 1-flowngap 1-clea									 						16623	TREASURE ISLAND MAGNOLIA PT.	10
LAKE HOUSTON MARINA  13 EAST FORK McKAY BRIDGE  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  1 to flow 1 tow 1 towning																BJ'S MARINA	11
EAST FORK McKAY BRIDGE  14 INTAKE TOWER  15 LAKEWELL  SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  SPLIT SAMPLE TWO  15 Inn fpw   150w   150 trownsh   1 servage   1 server   2 server																LAKE HOUSTON MARINA	12
SPLIT SAMPLE ONE  SPLIT SAMPLE TWO  SPLIT SAMPLE TWO  SPLIT SAMPLE TWO  Inn flow 1-low 1-l									 						11212	EAST FORK MCKAY BRIDGE	13
SPLIT SAMPLE TWO  SPLIT SAMPLE TWO  1.no flow 1.tow 1.torownsh 1.sewaga 1.clear 1.cdm 2.tow 2.medum 2.reddsh 2.cdy/chemcel 2.p cloudy 2.edght 3.normal 3.hgn 3.greensh 3.roten egg 3.cloudy 3.mod 4.flood 4.flood 4.stbacksh 4.stbacksh 4.stbacksh 4.stbacksh 5.hgh 5.clear 5.fsby 5.ngh 5.clear 5.fsby 5.ngh 5.clear 7.cdher  Shigh 5.clear 5.fsby 5.other 6.nore 7.cdher  Sottles 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 acidified with H <sub>3</sub> SO <sub>4</sub> 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> Temperature of Samples when Received at Lab																INTAKE TOWER	14
SPLIT SAMPLE TWO  Comments:    1.no flow   1.tow   1.townish   1.sewage   1.clear   1.calm																LAKEWELL	15
1.no flow   1-towmish   1-sewage   1-clear   1-catm																SPLIT SAMPLE ONE	
2-douby 2-medium 2-reddish 2-douby 2-stight 3-high 3-greenish 3-noten egg 3-boudy 3-mod 4-flood 4-blackigh 4-musty 4-man 4-strong 5-high 5-clear 5-fshy 5-other 5-high 5-clear 5-fshy 5-other 6-dry 6-other 7-other  Analysis Required:  VOC, WQP*, T-phos, Ammonia, Total Coliform, E. coli, Entero (Qtrly) 3-ottles used:  1-100ml sterilized bottle for Bacti analysis, 1-500ml plastic bottle for WQP analysis, NH <sub>2</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> Temperature of Samples when Received at Lab_																SPLIT SAMPLE TWO	
Sanomat   3-high   3-greenab   3-boudy   3-mod   4-flood   4-blocksph   4-musty   4-ran   4-strong   5-flood   4-blocksph   4-musty   4-ran   4-strong   5-flood   4-blocksph   4-musty   4-ran   4-strong   5-flood   6-dry   6-dry   6-dry   6-dry   6-dry   6-dry   7-drher   7	1-calm 2-npple				1-brownish											ents:	omm
Shigh S-clear 5-fishy S-other 6-dry 6-chier 6-norme 7-other  VOC, WQP*, T-phos, Ammonia, Total Coliform, E-coli, Entero (Qtrly) 3-colties used: 1-100ml sterifized bottle for Bacti analysis. 1-500ml plastic bottle for WQP analysis, 1-250ml amber bottle acidified with H <sub>2</sub> SO <sub>4</sub> 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> Shigh 5-clear 5-fishy S-other 6-dry 6-norme 7-other 1-500 mL plastic bottle acidified with H <sub>2</sub> SO <sub>4</sub> for NH <sub>2</sub> analysis. 1-500 mL plastic bottle acidified with H <sub>2</sub> SO <sub>4</sub> for T-phos. & TOC analysis.  Temperature of Samples when Received at Lab_	3-wave	3-mad	3-cloudy	3-rotten egg	3-greenish		3-normal										
nalysis Required:  VOC, WQP*, T-phos, Ammonia, Total Coliform, E_coli, Entero (Qtrly)  1-100ml sterilized bottle for Bacti analysis, 1-500ml plastic bottle for WQP analysis, 1-40ml VOA bottles with 1:1 HCl, 1-500 ml. plastic bottle acidified with H <sub>2</sub> SO <sub>4</sub> for NH <sub>2</sub> analysis, 1-250ml amber bottle acidified with H <sub>2</sub> SO <sub>4</sub> 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> Temperature of Samples when Received at Lab_	4-whitecap	4-strong															
VOC, WQP*, T-phos, Ammonia, Total Coliform, E_coli_, Entero (Qtrly)  ottles used:  1-100ml sterilized bottle for Bacti analysis, 1-250ml plastic bottle for WQP analysis, NH <sub>3</sub> analysis, 1-250ml amber bottle acidified with H <sub>2</sub> SO <sub>4</sub> for T-phos. & TOC analysis.  WQP analysis includes:  pH, Cond., TSS, Alk, Hard, NO <sub>2</sub> -N, NO <sub>2</sub> -N, F, Cl, Br, SO <sub>4</sub> Temperature of Samples when Received at Lab_			- 99154	6-none	6-other												
lol. Samples Relinquished By : Date: Time : Chem. Samples Relinquished By : Date: Time :	Matrix <u>Water</u>			tle acidified wi		1-500 ו	with 1:1 HCl,	ni VOA bottles		tic bottle for V	1-500ml plas ed with H <sub>2</sub> S(	nalysis, r bottle acidif	itle for Bacti a I-250ml ambe	sterilized bo llysis,	1-100ml NH <sub>3</sub> ana	used:	ottles
Not. Samples Relinquished By : Date: Time : Chem. Samples Relinquished By : Date: Time :																	
Rief Samples Received Rv - Date Time Chem Samples Received Rv - Date Time	_																