Appendix D: Field Data Sheets

H-GAC – Ambient Monitoring Data Sheet

Title (military):	Date:		Sta	tion:						.=	
Sampling Depth moders Water Temperature Specific Conductance SSeven Salinity Mater Temperature Specific Conductance SSeven Salinity Mater Temperature Specific Conductance SSeven Salinity Mater Temperature Specific Conductance S	Time (milita	ıry):	Sam	ples Coll	lected by:						11 1201111
Second conductance			meters								
Specific Conductance	Sampling Dep	pth	meters								
Salinity pH standard units Dissolved Oxygen mg/L Secchi disk Observed Tube Turbidity Clarity Color Mater Color Water Odor Weather Intensity Surface Severity Tide Stan I - solom	Water Tempe	rature	°C								
Dissolved Oxygen	Specific Cond	ductance	µS/cm								
Secchi disk Observed or tube	Salinity		‰								
Secchi disk Observed Water Odor Water Odor Weather Intensity Surface Severity Tide Star	pН		standard units								
Turbidity Clarity Color Water Qdor Weather Intensity Surface Severity Tide State	Dissolved Ox	ygen	mg/L								
Primary Contact, # of People Observed (I-10, >10)				t .	i water	LIGAT I		l	1		Tide Stage
Primary Contact, # of People Observed (1-10, >10) Post vertex (1-0, >10) Primary Contact, (1- Observed, 0 - Not Observed) Primary Contact, (1- Observed) Primary	meters	2 – medium	2 – good 3 – fair	2 – reddish 3 – greenish 4 – blackish 5 – clear	2 - oily/ch 3 rotten of 4 - musky 5 - fishy 6 - none	egg 2 - p egg 3 - c 4 - r	artly cloudy loudy aining	2 – slight 3 –moderate	2 – ripples	2 – iow 3 – normal 4 – flood 5 – high	2 – falling 3 – slack 4 – rising
Flow Method 2 - electric 3 - mechanical 4 - weirfflume 5 - Doppler Primary Contact, # of People Observed (1-10, >10) Evidence of Primary Contact, (1- Observed, 0 - Not Observed) Comments or Observation Comments Or Observation Containers Preservatives Analyses Requested 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic Iced, H ₂ SO ₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal)	Flow	cfs			Maximum Poo	ol Width	mete	rs			
Method 4 - weinflume 5 - Doppler Primary Contact, # of People Observed (1-10, >10) Evidence of Primary Contact, (1- Observed, 0 - Not Observed) Comments or Observation Comments or Observation Containers Preservatives Analyses Requested Fresh (non-tidal) ✓ 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic Iced, H₂SO₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal)	Flow		H-14		Maximum Poo	ol Depth	mete	rs			
Primary Contact, # of People Observed (1-10, >10) Evidence of Primary Contact, (1- Observed, 0 - Not Observed) Comments or Observation Containers Preservatives Analyses Requested 1 x 500 mL Plastic I ced TSS 1 x 1 L Plastic I ced, H₂SO₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic I ced CL, SO4 (firsh only)		4 – weir/flume			Pool Length		mete	rs		···	
Evidence of Primary Contact, (1- Observed, 0 - Not Observed) Comments or Observation Containers Preservatives Analyses Requested 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic Iced, H ₂ SO ₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)			,				%				
Containers Preservatives Analyses Requested Fresh (non-tidal) ✓ 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic iced, H₂SO₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)	Evidence of P (1- Obser	rimary Contact ved, 0 - Not	.,								
Observation Containers Preservatives Analyses Fresh (non-tidal) ✓ 1 x 500 mL Plastic 1 x 1 L Plastic 1 x 500 mL Plastic 1 x 500 mL Plastic 1 x 500 mL Plastic 1 x 1 L Plastic 1 x 500 mL Plastic					Comments						
Fresh (non-tidal) ✓ 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic Iced, H₂SO₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)											
Fresh (non-tidal) ✓ 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic Iced, H₂SO₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)											
Fresh (non-tidal) ✓ 1 x 500 mL Plastic Iced TSS 1 x 1 L Plastic Iced, H₂SO₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)			· ~								-
1 x 1 L Plastic Iced, H ₂ SO ₄ TKN, NH3, NO2+NO3, TPO4 Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)	T1 /	:1-IV /			• _						Requested
Marine (tidal) 1 x 500 mL Plastic Iced CL, SO4 (fresh only)	rresh (non-t	ıdal) <u>v</u>	******		IC				IOOTNIOS TRO		
	Marina (+ida	t)			ic.	 				4	
	iviaime (tida									ccus	
						!					

Updated: August 12, 2015

H-GAC Surface Water Quality Monitoring Program

Stream Flow (Discharge) Measurement Form

Stream:					Date:
Station:					
Description:					
Time Begin:	Time End	d:	Meter Type:		
					ı (W):
Observations:					
Section Midpoint (ft) (m)	Section Depth (ft) (m) (cm)	Observational Depth**	Velocit	ty (V)	Flow (Q) (m³/s) (ft³/s)
	(D)	(ft)(m)	At Point (ft/s)(m/s)	Average (ft/s)(m/s)	Q = (W)(D)(V)

				- 1	
		•			
		9.00		1 1	
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	-				
	ľ				
					



Pollution Control Services Department 101 S. Richey, Suite H Pasadena, Texas 77506 FAX: 713-274-6475 713-92

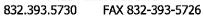
713-920-2831

SAMPLING RECORD: Clean Rivers Program Sites

D NO.:	8603	PERMIT NO.: HSCSH	G004 OU	TFALL: 000	DATE: KEY MAP:		TIME: MS4?(Y/N):	
NAME:	Houston Ship	Channel Sidebay					LONGITUDE:	
		acinto River @ Boatramp	- 004 (17919)		KEYS:			
SITE DI	RECTIONS:							
			TESTS AND	MEASUREMI	ENTS			
	TEMPERA	ATURE °C				SALINITY (p	opt)	
	pH (stand	ard units)				SPECIFIC C	CONDUCTIVITY (us	/cm)
	DISSOLV	ED OXYGEN (mg/l)				SECCHI DIS	SK TRANSPARENC	Y (meters)
			FIELD O	BSERVATION	NS			
	SURFACE	CONDITIONS: 1-clear 2-so 4-debris 5-sl			PRESENT WEA		ear 2-partly cloudy n 5-other	3-cloudy
	TURBIDITY	7: 1-low 2-medium 3-high			DAYS SINCE LA	AST SIGNIFI	CANT RAINFALL (F	Runoff)
	WATER SU	JRFACE: 1-calm 2-ripples	3-waves		WIND INTENSI	TY: 1-calm	2-slight 3-moderate	4-strong
	WATER CO	DLOR: 1-brownish 2-reddish 4-blackish 5-clear			TIDE STAGE:	I-low 2-fallin	g 3-slack 4-rising	5-high
	WATER O	OOR: 1-sewage 2-chemica 4-musky 5-fishy 6-r		Deft	-h met	ers		
			SA	MPLES				
GRAB SPLIT			DIRECT INDIRECT		REPOR	RT:	YES NO	
Amt. Col.	Container	Preservative	Analysis Re	quested		Comment	S	
	1x1/2gal-P	Ice	COND TSS	Westerschung Kristinger aus der der				
	1x100ml-P	Ice Direct	ENT					
	-1x250mr-P	Ice H2S04	NH3 NOX	TPO4				
	(X500M)-	89978= 89979=						
			RE	MARKS				
			NOT	FICATION				
CONTAC	T PERSON:		-	PHONE:			DATE:	
	CONTACTED/	TITLE:			AFFILIATI		TIME:	AM/PM
RESPON	SE:							
			Cl	USTODY				
INSPECT	ED/SAMPLED	BY:			IVED IN LABORA	ATORY BY:		
DAT	ΓΕ:		TIME:	AM/I	PM RU	IN NUMBE	ER:	

Field No. ____

City of Houston
Department of Health and Human Services
Bureau of Pollution Control and Prevention
7411 Park Place Blvd





FIELD FORM & CHAIN OF CUSTODY FORM

Date	Sa	mples Collec	ted By:				
Run No	Station II	o		_ Time (24 hr) _		Field Meter #	
Stream Name	& Intersecting S	treet					
FIELD OBSER	<u>VATIONS</u>			Numbe	er of days since sig	nificant rainfall	_
Flow Severity	Tidal Stage	Color		Odor	Water Surface	Current Weather	Wind Intensity
1 – no flow 2 – low 3 – normal 4 – flood 5 – high 6 – dry*	1 – low 2 – falling 3 – slack 4 – rising 5 – high	2-r 3-g 4-b 5-c	orownish eddish greenish olackish olear ther*	I – sewage 2 – oily/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	1 calm 2 slight 3 moderate 4 strong
Flow Method	Flow (cfs)	Secch	Depth (cm)	Evidence of Primary Contact Recreation	# people observed	Sample Depth (ft)	Total Depth (ft)
l – flow-gauge stati 5 - Doppler	ion			1 – observed 0 – not observed	1-10 >10		
INSTRUMENT	READINGS				*Other Obse	ervations:	
Тетр	Conductivity	Dissolved Oxygen (DO)	en (DO)				
(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)	<u> </u>		
Request for Ar	nalysis (circle w	hat is requeste	<u>ed):</u>	<u>No.</u>	of Containers:		
1 – pH 2 – Conductivity 3 – TSS 4 – N-NO3	5 – CI- 6 – SO4 7 – N-NH3 8 – T-PO4		E. coli Enterococcus		_ 100 mL sterile plastic _ 1 L plastic _ 1 gallon plastic	200 mL ster 1 L plastic (1 L plastic() w/H2SO4	v/ H2SO4
Samples Relin Samples Received of	quished By: on Ice: Yes / No		(sign	ature only)		Date:	
Lab Sample No	0		Rec	Received by:Date:			



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

150 Document ID:

Samples Collected By:

Days Since Last Significant Rainfall:_____

Air Temperature :__

Date of Sampling:_

1.09

Version:

	Sample Run Collected Bi-Monthly	_			Note: All sai	mples taken a	t a one foot de	epth by plast	tic bucket unl	Note: All samples taken at a one foot depth by plastic bucket unless specifically designated in 'Sample Depth' column below.	y designateo	d in 'Sample	Depth' colu	ımı below,					
Sample No.	Station Name	TCEQ	Time	Sample Depth (ft)	Total) Depth (ft)	Water Temp °C	Sp. Cond.	품	00 m	Secchi Depth (m)	Flow	Obser. Turb.	Water	Water	Present Weather	Wind	Water	Primary	Evidance of P.C.
٢	LUCE BAYOU HUFFMAN /	11187												1					
2	EAST FORK SAN JACINTO RIVER © FM 1485 (gage 8070200)	R 11235																	
8	CANEY CREEK @ FM 1485	11334																	
4	PEACH CREEK @ FM 2090	11337																	
ĸ	EAST FORK SAN JACINTO @ SH 105 (9age 8070000)	11238																	
ω	PEACH CREEK @ FM 105	16625																	
2	CANEY CREEK @Millmac Rd.	21465																	
æ	WEST FORK SAN JACINTO @ FM 105 (gage 8067650)	11251																	***************************************
ი	STEWART CREEK @ LOOP 336, CONROE	16626																	and the same of th
6	CRYSTAL CREEK @ HWY 242	16635																	
11	WEST FORK SAN JACINTO @ FM 242	11243																	
12	SPRING CREEK @ 1-45 (gage 8068500)	11313																	
13	CYPRESS CREEK @ 1-45 (gage 8059000)	11328																	
Comments:	nts:										1-no flow 2-low 3-normal 4-flood 5-high 6-dry	1-lew 1 2-medium 2 3-high 3 5-bigh 5	1-brownish 2- Z-reddish 2- 3-greenish 3- 6-blackish 5-clear 6- 6-other 6-	1-sewage 1-clear 2-olly/chemica 2-p-cloudy 3-olly/chemica 2-p-cloudy 4-musty 4-musty 5-fishy 5-other 7-other		1-calm 2-slight 2 3-mad. 9 6-strong 4	1-calm 4 2-rapple 6 3-wave 4-whitecap	# of people 1	1-Observed 0-Not observed
	Analysis Required: Bottles used: 'WQP analysis includes:	VOC, W 1-100m H ₂ SO ₄ I pH, Cor	/OP*, T-phos, I sterilized bos or NH3 analys id., TSS, Alk,	Ammonia, Toti Tie for Bacti and Is, 1-250 Hard, NO _Z -N, N	VOC, WOP*, T-phos, Ammonia, Total Coliform, E. coli 1-100mi steniized bottle for Bacti analysis, 1-500mi plastic bottle for WQP analysis, H ₂ SO ₄ for NH ₃ analysis, 1-250mi amber bottle for T-phos. & TOC analysis. pH, Cond., TSS, Alk, Hard, NO ₂ -N, NO ₃ -N, F, Cl, Br, SO ₄	III DMI plastic bott for T-phos. & T SO.	te tor WQP and IOC analysis.		-40ml VOA bol	2-40ml VOA bottles with 1:1 HQI,		1-500 mL plastic bottle acidified with Temperature of San	N bottle acidified with Temperature of Samples when Received at Lab.	d with of Samples	when Rece	h lived at Lab;	Matrix: <u>Water</u>	Ed .	
Biol. Sam	Biol. Samples Relinquished By:		0	Date:	Time :			Chem. Samp	Chem. Samples Relinquished By :_	hed By:			Date:	ij	Time :		ĺ		
Biol. San	Biol. Samples Received By :		ة	Date:	Time:	***************************************		Chem. Samp	Chem. Samples Received By :_	: ay :			Date:	e:	Time:		İ		



Effective Date: 05/18/2017

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

Document ID:

Date of §	Date of Sampling:		Air Tempe	erature :		Days Since E	Days Since Last Significant Rainfall :_	nt Rainfall :			Samples Collected By:	flected By						
Sample	Sample Run Collected Monthly				Note: All s	ampíes take	n at a one foc	ot depth by μ	olastic buck	et unless s	pecifically	designate	d in 'Samp	ole Depth	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	Time	Sample Depth (ft)	Total Depth (ft)	Water Temp °C	Sp. Cond.	Ha	DO ma/L	Secchi Flow Depth (m) Severity		Obser.	Water	Water	Present Wind Water Primary Evidance Weather Intensity Surface Contact of P.C.	d Water	Primary	Evidance
+	LAKE PATROL MARINA													4				
2	RAILROAD BRIDGE MIDDLE OF LAKE	11208														-		
e e	LAKE SHADOWS MIDDLE OF LAKE	16668								ļ ,								
4	DUESSEN PARK MARINA															-		
ß	WEST FORK McKAY BRIDGE	11211																
s	ATASCOCITA POINT	18667																
7	KINGWOOD MARINA																	
60	WEST FORK Belleau Wood Dr.	20782																
6	LUCES BAYOU WATER WONDERLAND	18670																
6	TREASURE ISLAND MAGNOLIA PT.	16623	·															
1-	BJ'S MARINA													ļ				
12 L	LAKE HOUSTON MARINA												<u> </u>					
٤,	EAST FORK McKAY BRIDGE	11212																
Comments:	nts:										1-no flow 1-k 2-tow 2-n	1-low 1- 2-medium 2-	1-brownish 1-sewage 1-clear 2-reddish 2-oll/schemic 2-p. cloudy	sewage 1	clear 1-catm	1-calm 2-roole	# of people	# of people 1-Observed
										1.712/201	1 1 1 1		3-greenish 3- 4-blackish 4- 5-clear 5- 6-other 6-	4-musty 4-ram 5-fishy 5-other 6-none	cloudy 3-mod. ram 4-strong other	! !	iilel I I	
Analysis Requ Bottles used:	Analysis Required: Bottles used:	VOC, WC 1-100ml sacidified	VOC, WQP*, T-phos 1-100ml sterilized bo acidified with H-SO.	VOC, WOP*, T-phos, Ammonia, Total Coliform, E. coli 1-100ml sterilized bottle for Bacti analysis, acidified with H-SO, for NH, analysis	ō.	m, E. coli 1-500ml p 1-250ml amb	m, E. coli 1-500mi plastic bottle for WQP analysis, 2 1-250mi amber bottle for T-chos & TOC analysis	r WQP analy	/sis, 2-	2-40ml VOA bottles with 1:1 HCl,	ottles with 1	HC,	1-500 ml	1-500 mL plastic bottle	ottle	Matrix: Water	Water	
" WQP an	" WQP analysis includes:	pH, Cond	pH, Cond., TSS, Alk		7.5°.	Hard, NO ₂ -N, NO ₃ -N, F, Cl, Br, SO ₄						ř	mperature	of Sampl	Temperature of Samples when Received at Lab;	ed at Lab:		
Biol. Sam	Biol. Samples Relinquished By :		Date:		Тіте:		ō	Chem. Samples Relinquished By :_	es Refinqui	shed By:				Date:	1	Time:	ļ	
Biol. Sam	Biol. Samples Received By:		Date:		Time :		ō	Chem. Samples Received By :_	es Receive	39.				Date:		Time :		



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

1	Version: 1.05	
	Document ID: 150	Continue

		Contac
(aAc.	Primary Contact
:	nd sent to M-	Water Surface
	s uploaded a	Wind
	olab field data	Present Weather
	Note: All hydrolab field data is uploaded and sent to H-GAC.	Water
od By:	-	Water Water Present Wind Water Primary Evidon Color Weather Intensity Surface Contact Contact
Samples Collected By:		Sp. Chi.
	Reservoir % Full:	Total release Sec
ce Last Significant Rainfall :	,	Total
. Significant R	Roservoir Stage:	
Days Since Last	servoir Stage	TCEQ
å	 %	Watershed TCEQ
	Monthly	
Sampling;	Sample Run Collected Monthly	
وي مودر	Sample R	ola med

Sample										Decemb	Wind	Water	Primary	Evidonco
Sample No.	Station Name	Watershed ID	TCEQ	Тіте	Total Depth (ft)	releaso in CFS	Secchi Depth (m)	Water Color	Water	Weather	Intensity	Surface	Contact	1
-	Wal	23	11344											-
7	T. James Creek	25	16645											· · · · · · · · · · · · · · · · · · ·
6	Weir Creek	3	16644											
4	Caney Creek	ę	16643											
r.	Tim Cude Creek	26	16642											
9	Lost Lake Creek	33	16640											
1	Lewis Creek	4	16641											
8	W.C. Clark Creek	27	16639											
0	Atkin Creek	ιΩ	16638											
5	Intake Lake Conroe	24	11342								_			
	SPLIT SAMPLE							1-brownish	1-sewage	1-clear	1-calm	1-calm	# of People	
S	Comments:							2-reddish 3-greenish	2-oily/chemical 2-p.cloudy 3-rotten egg 3-cloudy	3-cloudy	2-slight 3-mod. 4-strong	3-wave 4-whilecap	1011	
								4-blackish 5-clear 6-other	5-fishy 6-none	5-other				
			į										i •	

Temperature of Samples when Received at Lab:__ WQP*, T-phos, Ammonia, Total Coliform, E. coli 1-100mi storilized bottie for Bacti analysis. 1-500mi plastic bottie for WQP analysis, 1-500 mL plastic bottie acidified with H₂SO₄ for NH₃ analysis, 1-250ml amber bottie acidified with H₂SO₄ for T-phos, & TOC analysis. 1-250ml amber bottie acidified with H₂SO₄ for T-phos, & TOC analysis. PK, Hard, NO₂N, NO₂N, NO₃N, F, Cl, Br, SO₄ * WQP analysis includes: Analysis Required: Bottles used:

Chemical Samples Received By:_____ Chemical Samples Relinquished By :__ Time: Date: Biological Samples Received By: Biological Samples Relinquished By:___

Dato:

SAN JACINTO RIVER AUTHORITY LOWER PANTHER BRANCH WATER QUALITY MONITORING

Date: ' Instr.	Instrument Person:		Sam	Sampler.		
ther.	Atmos. Temperature Deg. F:					
Days Since Last Rain; Date:	(n).					
LOWER PANTHER BRANCH # 2 (UPSTREAM WWTP # 1 OUTFALL) Station ID No. 16627 (1P82) GPS COORDINATES: = 30 087	, , TREAM WWTP # 1 OUTFALL) GPS COORDINATES: = 30 0806 888 N	N 888	Total Dep Depth of Measureme Transparency Tube:	Total Depth: 3 Ft Depth of Measurements: / Ft Transparency Tube: 27 cm 52841870 W	M N S.2 M	
Hd	D.O. CONDUCTIVITY	RO	ODOR	FLOW SEVERITY	ACTIVITY	
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):	NUSUAL OCCURRENCES /	SAMPLE CC	LLECTION	PROBLEMS):		
Primary Contact (Code # 89978)	Evidence of Primary Contact Recreation (Code # 89979)	Confact Reco	eation (Code			
initial) contact (cocc # cocc)		0011400		(2,000 #		
Door	WNSTREAM WWTP # 1 OUTFALL) GPS COORDINATES: = 30 0759,490 N	N 06	USGS Ga Total Dep Depth of Measureme Transparency Tube: 95 2837.803 W	ISG ottal	NA CANATIC	•
Ha .	D.O. CONDUCTIVITY	COLOR	ODOR	FLOW SEVERITY	ACTIVITY	
COMMENTS (FIELD OBSERVATIONS / UN	ERVATIONS / UNUSÚAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):	/ SAMPLE CC	LLECTION	PROBLEMS):		
Primary Contact (Code # 89978)	Evidence of Primary Contact Recreation (Code # 89979)	/ Contact Reci	eation (Code	e # 89979)		
Field Measurements Depth: <1.5 Ft (=1/3 depth) Fecal Coliform Sampling Depth = 1 Ft. (0.3 M),	3 depth) >1.5' & <5.0' (=1' deep) 1.3 M).		10' (= 1' de∈	5-10' (= 1' deep, middle, & 1' above btm.) $F_L \times 0.3048 = Meters$		
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	udy, 3 = cloudy, 4 = rain, 5 fair, 4 = poor, 5 = other	·= other				
Water Color: 1 = 510Willsii, 2 = reduisii, 3 = greensii, 4 = plachisii, 5 = creai, 6 = 0 lier Water Odor: 1 = sewage, 2 = oily/chemical, 3 = rotten egg, 4 = musky, 5 = fishy, 6 = none, 7 = other	s – greenisit, 4 – plachisit, al, 3 = rotten egg, 4 = musl	o – cieal, o – ky, 5 = fishy,	6 = none, 7	= other	-	
Flow Severity: 1 = no flow, 2 = 10w, 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)	ormal, 4 = flood, 5 = high, People Observed)= 0-10, (1 = Observed, 0 = Not Ob	6 = dry >10 served)				•

UPPER PANTHER BRANCH WATER QUALITY MONITORING

1		Instrument Person:	Person:		Sampler	pler:		
MONTH DAY YEAR Present Weather:		Atmos. Te	Atmos. Temperature Deg. F:			-		
Days Since Last Rain:	Date:		ln					
UPPER PANTHER BRANCH	#1 (UPST	REAM WW	Deptt #1 (UPSTREAM WWTP #2 OUTFALL) GPS COORDINATES:=30,1145,435,00	30 1445	Total Dey Depth of Measureme Transparency Tube:	Total Depth: Ft Depth of Measurements: Ft Transparency Tube: Cm 255 N 95,294,8,59,344	M. M.	٠
MILITARY TIME TEMP. C	Ha	D.O.	CONDUCTIVITY	COLOR	띩	FLOW SEVERITY	ACTIVITY	
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):	VATIONS	UNUSUAL	COCURRENCES / SA	MPLE COL	LECTION P	ROBLEMS):		
Primary Contact (Code # 89978)	(82)		Evidence of Primary Contact Recreation (Code # 89979)	ontact Recr	eation (Code		, tr	
UPPER PANTHER BRANCH # 2 (DOWNSTREAM WWTP #2 OUTFALL) Station ID No. 16630 (UPB2)	I # 2 (DOW	NSTREAM		Depth Trans = 30 1138.175 N	lotal Depth of Measureme Transparency Tube: 175 N 95 2917.488	Depth of Measurements: Ft Transparency Tube: cm (75 N 95 2917.488 W	M M AOUATIC	
MILITARY TIME TEMP. C	ЬН	D.O.		COLOR	尚	FLOW SEVERITY	ACTIVITY	
COMMENTS (FIELD OBSERVA	3VATIONS	/ UNUSUA	RVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS)	AMPLE COI	LLECTION P	ROBLEMS):		
Filmary Contact (Code # 09)	(6)		ביינוס כו רייוומן			uge (cfs): th:	N.	
UPPER PANTHER BRANCI Station ID No. 16631 (UPB3	1 #3 (BE/	R BRANCI	H #3 (BEAR BRANCH - E.OF BRIDGE)) GPS COORDINATES:	Depth Trans = 30 1125,450 N	Depth of Measurement Transparency Tube:	Depth of Measurements: Ft Transparency Tube: cm 450 N 95 2926,883 W	IM AQUATIC	
MILITARY TIME TEMP. C	Hd	D.O.	CONDUCTIVITY	COLOR	ODOR	FLOW SEVERITY	ACTIVITY	
COMMENTS (FIELD OBSE	RVATIONS	/ UNUSUA	RVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):	AMPLE CO	LLECTION P	ROBLEMS):		
Primary Contact (Code # 89	978)		Evidence of Primary Contact Recreation (Code # 89979)	ontact Recr	eation (Code	. # 89979)		
Field Measurements Depth: <1.5 Ft (=1/3 depth) >1.5′ & <5.0′ (=1′ deep) 5′-10′ (=1′ deep, midle Fecal Coliform Sampling Depth = 1 Ft. (0.3 lif). Ft. x 0.3048 = lifeters 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	7: <1.5 Ft Depth = 1 Ft 7: 2 = partl) 1, 2 = gooc 1, 2 = reddi	=1/3 depth 't. (0.3 M). 'cloudy, 3 !, 3 = fair, 4 sh, 3 = gree mical, 3 =:	1) >1.5' & <5.0' (=1' deep) Ft. x 0.3048 = IMeters = cloudy, 4 = rain, 5 = other 1 = poor, 5 = other enish, 4 = blackish, 5 = clea	feep) 5':? rs other = clear, 6 = 5 = fishy, (10' (= 1' dee other 5 = none, 7 =	5:10' (= 1' deep, middle, & 1'above btm.) 5 = other y, 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)	, 2 = low, 3 d Activity (act Recrea	= normal, # of People tion (1 = 0	, 2 = low, 3 = normal, 4 = flood, 5 = high, 6 = dry d Activity (# of People Observed)= 0-10, >10 act Recreation (1 = Observed, 0 = Not Observed	dry 0 rved)				

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

Nate: / / Atmos. Temperati	Atmos. Temperature Deg. F:	i.	1	Days Since Last Rain:	Last Rain:		Date:	Inches:	
		San	Sampler:					ı	
AILITARY TIME: GPS COORDINATES = 30 1030.584 N / 95 2818.768 W	30 1030,584	N / 95 2	818.768	N				SECCHI DISK:	
SAMPLE LOCATION NO. 1 (Station ID No. 16484 - LW#1)	. LW#1)	Ħ,	Μ.	TEMP.	D.O.	핌	CONDUC	(N) NMOO	
CONVENTIONAL CHEM. SAMPLES: YES / NO	SURFACE			o,				UP (IN.)	
SACTERIOLOGICAL SAMPLES: YES / NO	MID-DEPTH			ပ္				AVG. (IN.)	
ADDIT'L PARAMETERS & METALS YES / NO	BOTTOM			ပ	4		-	AVG. M.(0.00)	
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):	OCCURREN	CES / S	AMPLE (SOLLECTION	N PROBLE	MS):		,	
· .									
Primary Contact (Code # 89978)	Evidence of	Primary	Contact	Evidence of Primary Contact Recreation (Code # 89979)	ode # 896	(62)			
Water Color.	Total Depth:				•		Water Odor.	dor.	
MI TABY TIME.	NATES = 30 0945 096 N / 95 2841 156 W	N / 95	2841.156	M				SECCHI DISK:	
DON NO. 2 (Station ID No.	- LW#2)	Ŀ	Σ.	TEMP.	Ď.0.	표	CONDU	CONDUC	
CONVENTIONAL CHEM. SAMPLES: YES / NO	SURFACE				ပ့			UP (IN.)	
BACTERIOLOGICAL SAMPLES: YES / NO	MID-DEPTH			0	၁.			AVG. (IN.)	
ADDIT'L PARAMETERS & METALS YES / NO	воттом	000000000000000000000000000000000000000		0	ఎ.			AVG. M.(0.00)	
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS):	OCCURREN	ICES / 8	SAMPLE	COLLECTIO	N PROBLE	EMS):			
Primary Contact (Code # 89978)	Evidence of	Primary	, Contact	Evidence of Primary Contact Recreation (Code # 89979)	Code # 89	979)			
	· :	•							
Water Color:	Total Depth:				•		Water Odor:	dor:	
Field Measurements Depth: <1.5 Ft (=1/3 depth) Fecal Coliform Sampling Depth = 1 Ft. (0.3 M) Et × 0.3048 = Meters) >1.5' & <5.0' (=1' deep)	.o. (=1'	(deeb)	5'-10' (= 1' deep, middle, & 1' above btm.)	deep, mid	dle, & 1	'above bi	tm.)	
Present Weather: 1 = clear, 2 = partly cloudy, 3 = Water Color: 1 = brownish, 2 = reddish, 3 = gree	oudy, $3 = \text{cloudy}$, $4 = \text{rain}$, $5 = \text{other}$ 3 = greenish, $4 = blackish$, $5 = clear$, $6 = other$	rain, 5 : ckish, 5	= other = 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	often egg, 4 : Observed)=	= musk) : 0-10, >	/,5=fisi 10	ıy, 6 = none _.	, 7 = other				
Evidence of Primary Contact Recreation (1 = Observed, 0 = Not Observed)	served, $0 = 1$	lot Obs	erved)						

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

AILLIARY IIME: GPS COORDINATES = 30 0936.345 N / 95 2908.586 W	936.345 N / 95 29	908.586 W	•				SECCHI DISK:	
SAMPLE LOCATION NO. 3 (Station ID No. 16481 - LW#3)	#3) FT.	M.	TEMP.	D.O.	품.	CONDUC	CONDUC	
ES: YES / NO	SURFACE	·	ပ္		1		DOWN (IN.)	
	MID-DEPTH		ပဲ	-			AVG. (IN.)	
ADDIT'L PARAMETERS & METALS YES / NO BOT	воттом		ပ္				AVG. M.(0.00)	
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OCC	UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBI FMS)	AMPLE CO	CLECTION	PROBI EN	45).			
Primary Contact (Code # 89978)	Evidence of Primary Contact Recreation (Code # 89979)	Contact Re	ecreation (Co	de # 899 <u>7</u>	<u>(9</u>		-	
Water Color:	Total Depth:	,				Water Odor:)r.	
		.						
MICHARY MINIE: GPS COORDINATES = 30 0918.657 N / 95 2858.184 W	0918.657 N / 95 2	858.184 V	-				SECCHI DISK:	
SAMPLE LOCATION NO. 4 (Station ID No. 16482 - LW#4)	/#4) FT.	M	TEMP.	D.O.	핌	CONDUC	CONDUC	
CONVENTIONAL CHEM, SAMPLES: YES / NO SU	SURFACE		ပ္				DOWN (IN.)	
	MID-DEPTH		ပံ				AVG. (IN.)	
ADDIT'L PARAMETERS & METALS YES / NO BO	BOTTOM		့				AVG. M.(0.00)	
COMMENTS (FIELD OBSERVATIONS / UNUSUAL OC	/ UNUSUAL OCCURRENCES / SAMPLE COLLECTION PROBLEMS);	AMPLEC	OLLECTION	PROBLE	MS):			
						,		

Water Odor: 5'-10'. (= 1' deep, middle, & 1' above btm.) Evidence of Primary Contact Recreation (Code # 89979) Water Odor: 1 = sewage, 2 =Oily/chemical, 3 = rotten egg, 4 = musky, 5 = fishy, 6 = none, 7 = other Water Color: 1 = brownish, 2 = reddish, 3 = greenish, 4 = blackish, 5 = clear, 6 = other >1.5' & <5.0' (=1' deep) Present Weather: 1 = clear, 2 = partly cloudy, 3 = cloudy, 4 = rain, 5 = other Evidence of Primary Contact Recreation (1 = Observed, 0 = Not Observed) Primary Contact, Observed Activity (# of People Observed)= 0-10, >10 Total Depth:_ Field Measurements Depth: <1.5 Ft (=1/3 depth) Fecal Coliform Sampling Depth = 1 Ft. (0.3 IV) Primary Contact (Code # 89978) Ft. \times 0.3048 = Meters Water Color.

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

Station ID: Date:					Sample Time:						
Location:	ocation:					Lat:Long:					
Collected By:											
				om surface; lf≥	1.5m deep - perform	n profile @ 0.3	3m from botton	n, @ middle, and	@ 0.3m from surface)		
	1		2		3			4	5		
Temp (C)											
Conductivity (uS)											
Salinity (psu)											
DO (%sat)	· · · · · · · · · · · · · · · · · · ·										
DO mg/L							<u> </u>				
рН											
Depth (m)											
				FIELD OBS	ERVATIONS						
	TOTAL DEPTH (m))				PRESENT WEATHER 1-clear 2-partly cloudy 3-cloudy 4-rain 5-other					
	WATER ODOR	1-sewage 2-oily/ch 4-musky 5-fishy 6-	emical 3-rotten egg			FLOW SEV	ERITY	1-no flow 2-low			
•••	WATER SURFACE)		FLOW (cfs)		4-flood 5-high 6	o-city		
	WIND INTENSITY	1-calm 2-slight 3-moderate 4-stro	pa			FLOW MET	FLOW METHOD 1-gage 2-electric 3-mechanical				
	WATER COLOR 1-brownish 2-reddish 3-greenish					SECCHI DIS	4-weir/flume 5-doppler SECCHI DISK (m)				
	4-blackish 5-clear 6-other TIDE STAGE 1-low 2-falling 3-slack 4-rising 5-high					n=1° observed, 2=2° observed, 3=non-cont necreational use observed, 4=1° evidence, 5=2° evidence, 6= contact evidence, 7=no evidence					
	DAYS SINCE LAST SIG. RAINFALL					Primary Contact Rec. Observed (enter number of people)					
					Rec. Observed 0= no evidence observed, 1= evidence observed						
		Kara Here		WATER	SAMPLES						
	FRESH MARINE (Non-Tidal) (Tidal)					Field Split Collected (yes/no)					
	E. coli		Enterococcus								
Conta	ainer	Prese	rvative	Analysis	s Requested			Commen	ts		
	- Plastic	ice		TSS							
	2 x 1L - Plastic 2 x 500ml - Plastic		lce, 2 mL H ₂ SO ₄ added lce, 1 mL H ₂ SO ₄ added		NH ₃ , TPO ₄ , NO ₂ +NO ₃ TKN						
2 x 500ml - Plastic		lce		CI, SO ₄ (fresh water only)							
2 x 4L - Plastic (amber) 1 x 100ml - Plastic		ice ice, Na ₂ S ₂ O ₃ tablet		Chtorophyll-a (select sites) Bacteria (Entero and/or E. coli)							
			ADDITIO	NALINFOR	MATION & REI	MARKS					
100 4810 - 41 100 884											
* If site is dry, determin Maximum pool width_	ne if there is any pool (m), Maximur		If pool(s) exists (> _ (m), Pool length		and 0.4m deep) red and percent pool co		Long m reach	of la	argest pool in 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 N	MEASUREMENT	'S (If < 1.5m deep	- record @ 0.3m fro	om surface; If≥ 1	.5m deep - perform	profile @ 0.3	Bm from bottom	, @ middle, and	@ 0.3m from surface)	
	1		2		3			4	5	
Tomp (C)					-				-	
Temp (C)										
Conductivity (uS)										
Salinity (psu)										
DO (%sat)										
DO mg/L										
pН										
Depth (m)										
				FIELD OBSI	ERVATIONS					
	TOTAL DEPTH (m)					PRESENT WEATHER 1-clear 2-partly cloudy 3-cloudy				
] 101AL BLI 111(III)]	WEATHER	4-rain 5-other	cloudy 5-cloudy	
	WATER ODOR	1-sewage 2-oily/ch 4-musky 5-fishy 6-r				FLOW SEV	ERITY	1-no flow 2-low 4-flood 5-high 6		
	WATER SURFACE	1-calm 2-ripples	3-waves 4-whitecap	•		FLOW (cfs)				
	WIND INTENSITY	1-calm 2-slight 3-moderate 4-stro	ng			FLOW METHOD		1-gage 2-electric 3-mechanical 4-weir/flume 5-doppler		
	WATER COLOR 1-brownish 2-reddish 3-greenish 4-blackish 5-clear 6-other					SECCHI DI	SK (m)			
	TIDE STAGE 1-low 2-falling 3-slack 4-rising 5-high					RECREATIONAL USE observed, 4:			d, 2=2° observed, 3=non-contact contact contact contact, 5=2° evidence, 6=non-tevidence, 7=no evidence	
	DAYS SINCE LAST SIG. RAINFALL					Primary Contact Rec. Observed (enter number of people)			mber of people)	
					Evidence of Primary Contact Rec. Observed 0= no evidence observed, 1= evidence o			bserved, 1= evidence observed		
				WATER S	SAMPLES					
	☐ FRESH ☐ MARINE				Field Split Collected (yes/no)					
(Non-Tidal) (Tidal)					_					
Ц	E. coli	Ц	Enterococcus							
Container		Preservative		Analysis Requested				Commen	ts	
2 x 1L - Plastic 2 x 1L - Plastic		Ice Ice, 2 mL H ₂ SO ₄ added		TSS NH ₃ , TPO ₄ , NO ₂ +NO ₃						
2 x 500ml - Plastic		Ice, 1 mL H ₂ SO ₄ added		TKN						
	2 x 500ml - Plastic Ice 2 x 4L - Plastic (amber) Ice				Cl, SO ₄ (fresh water only) Chlorophyll-a (select sites)					
1 x 100m	1 x 100ml - Plastic Ice, Na ₂ S ₂ O ₃ tablet		let	Bacteria (Entero and/or E. coli)						
ADDITIONAL INFORMATION & REMARKS										
* 15 _ 12 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _	- If the - · · · · · · · · · · · · · · · · · ·		H	40 1: 1: "						
* If site is dry, determine Maximum pool width_	ne if there is any pool (m), Maximur		If pool(s) exists (> _ (m), Pool length		and 0.4m deep) recount and percent pool cover		Long_ m reach	of la %.	argest pool in reach	