



DATA SHEET

Date:

Time:

Station Number:

Station Description:

Sample Depth (M)						
D.O. (mg/l)						
pH (S.U.)						
Temp. (EC)						
Conductivity (µmhos)						
Salinity						
Secchi (inches)						
Total Depth (M)						

Comments:

DATA SHEET

Date: 7/5/2018

Time: 0800 hrs

Station Number: 1

Station Description:

Cypress Bayou, 300 yards west of Bayou Self.

Sample Depth (M)	0.5					
D.O. (mg/l)	0.5					
pH (S.U.)	6.1					
Temp. (EC)	31.0					
Conductivity (μmhos)	75					
Salinity	0.0					
Secchi (inches)	>31					
Total Depth (M)	0.8					

Comments:

Cloud cover 0 %. Winds from SE @ 0-5 mph. No flow. Cypress -Tupelo swamp drainage. Water black in color and clear. Bottom sediments very organic. Odor of hydrogen sulfide when sediments stirred with motor. Gar and bowfin surfacing frequently.

DATA SHEET

Date: 7/5/2018

Time: 0830 hrs

Station Number: 2

Station Description:

Bayou Self, 500 yards south of Cypress Bayou.

Sample Depth (M)	0.5					
D.O. (mg/l)	1.0					
pH (S.U.)	6.5					
Temp. (EC)	31.3					
Conductivity (μmhos)	80					
Salinity	0.0					
Secchi (inches)	25					
Total Depth (M)	0.8					

Comments:

Cloud cover 0 %. Winds from SE @ 0-5 mph. Slight flow to south. Bottom sediments organic. Shad piping at surface.

DATA SHEET

Date: 7/5/2018

Time: 0842 hrs

Station Number: 3

Station Description:

Grand Bayou, 1 mile northeast of confluence with Bayou Self.

Sample Depth (M)	0.5	1.0	2.0	3.0	4.0	
D.O. (mg/l)	6.5	6.5	6.1	6.1	5.8	
pH (S.U.)	7.6	7.6	7.4	7.3	7.0	
Temp. (EC)	22.4	22.3	22.4	21.5	21.1	
Conductivity (μ mhos)	250	250	250	250	250	
Salinity	0.0	0.0	0.0	0.0	0.0	
Secchi (inches)	11					
Total Depth (M)	4.3					

Comments:

Cloud cover 10 %. Winds from SE @ 0-5 mph. Flow to south at moderate rate. Water turbid. Rain in upper basin 2 days prior to this date. Bottom sediments more mineral than previous stations.

DATA SHEET

Date: 7/05/2018

Time: 0858 hrs.

Station Number: 3A

Station Description:

Grand Bayou, 1 mile south of Bayou Self

Sample Depth (M)	0.5	1.0	2.0	3.0	4.0	
D.O. (mg/l)	3.9	4.2	5.6	5.9	5.9	
pH (S.U.)	6.9	6.9	7.3	7.6	7.6	
Temp. (EC)	29.3	29.9	30.2	30.5	30.5	
Conductivity (μ mhos)	120	150	210	250	250	
Salinity	0.0	0.0	0.0	0.0	0.0	
Secchi (inches)	20					
Total Depth (M)	4.3					

Comments:

Cloud cover 1%. Winds from SE@ 0-5 mph. Flow to south at moderate rate. Water black and clear. Note D.O. and pH measurements higher in bottom of water column.

DATA SHEET

Date: 7/5/2018

Time: 0906 hrs

Station Number: 4

Station Description:

Forty Arpent Canal, 0.5 miles west of Marine Critter Processors Corp.

Sample Depth (M)	0.5	1.0	2.0	2.3		
D.O. (mg/l)	0.3	0.3	0.2	0.1		
pH (S.U.)	6.1	6.1	6.0	6.0		
Temp. (EC)	18.0	18.0	17.0	17.0		
Conductivity (µmhos)	90	90	90	90		
Salinity	0.0	0.0	0.0	0.0		
Secchi (inches)	25					
Total Depth (M)	2.6					

Comments:

Cloud cover 15 %. Winds from SE @ 0-5 mph. Flow to east-southeast at slight velocity. Water clear and dark in color. Water hyacinth surface cover complete just upstream. Bottom sediments organic. Gar and bowfin surfacing frequently.

DATA SHEET

Date: 7/5/2018

Time: 0945 hrs

Station Number: 5

Station Description:

Forty Arpent Canal, 200 yards SE of Marine Critters Processing Corp.

Sample Depth (M)	0.5	1.0	2.0	2.3		
D.O. (mg/l)	0.0	0.0	0.0	0.0		
pH (S.U.)	7.9	7.8	7.9	7.9		
Temp. (EC)	20.0	20.1	20.0	19.8		
Conductivity (μmhos)	320	320	320	320		
Salinity	0.0	0.0	0.0	0.0		
Secchi (inches)	16					
Total Depth (M)	2.3					

Comments:

Cloud cover 60%. Winds from S @ 5-10 mph. Flow to east-southeast at slight velocity. Water slightly gray in color. Discharge from Marine Critter Processors observed. Numerous species of fishes observed piping at surface.

DATA SHEET

Date: 7/5/2018

Time: 1030 hrs

Station Number: 6

Station Description:

Grand Bayou, 300 yards south of Forty Arpent Canal.

Sample Depth (M)	0.5	1.0	2.0	3.0		
D.O. (mg/l)	0.0	0.0	0.0	0.0		
pH (S.U.)	6.6	6.6	6.6	6.5		
Temp. (EC)	20.0	20.2	20.0	19.8		
Conductivity (µmhos)	400	400	400	400		
Salinity	0.0	0.0	0.0	0.0		
Secchi (inches)	5					
Total Depth (M)	3.3					

Comments:

Cloud cover 90%. Winds from S @ 10 - 15 mph. Flow to south at moderate rate. Water black and opaque. Hydrogen sulfide and methane bubbles noted at surface. Dead and dying fish noted along bank.

DATA SHEET

Date: 7/5/2018

Time: 1130 hrs

Station Number: 7

Station Description:

Grand Bayou, 4.0 miles south of Forty Arpent Canal.

Sample Depth (M)	0.5	1.0	2.0	3.0		
D.O. (mg/l)	6.4	6.0	4.3	4.0		
pH (S.U.)	8.2	8.2	8.2	8.1		
Temp. (EC)	20.6	20.4	20.3	20.3		
Conductivity (μmhos)	7020	7113	8540	8710		
Salinity	4.0	4.3	5.3	5.9		
Secchi (inches)	14					
Total Depth (M)	3.3					

Comments:

Cloud cover 100%, raining. Wind from SW @ 15-20 mph. Flow: still. Bank vegetation intermediate to brackish.

DATA SHEET

Date: 7/5/2018

Time: 1315 hrs

Station Number: 8

Station Description:

Green Canal, 6 miles west of Grand Bayou

Sample Depth (M)	0.5	1.0	2.0			
D.O. (mg/l)	12.3	9.3	2.3			
pH (S.U.)	9.6	8.3	6.8			
Temp. (EC)	21.5	21.3	20.4			
Conductivity (μ mhos)	240	240	240			
Salinity	0.0	0.0	0.0			
Secchi (inches)	8					
Total Depth (M)	2.3					

Comments:

Cloud cover 60 %, no rain. Wind from SE @ 10-15 mph. Flow rapidly to east. Water green in color.

DATA SHEET

Date: 7/5/2018

Time: 1220 hrs.

Station Number: 8A

Station Description:

City Oxidation Pond outfall

Sample Depth (M)	NA					
D.O. (mg/l)	10.6					
pH (S.U.)	9.6					
Temp. (EC)	24.2					
Conductivity (µmhos)	230					
Salinity	0.0					
Secchi (inches)	NA					
Total Depth (M)	NA					

Comments:

Cloud cover 60%. Outfall flowing at moderate rate. Effluent extremely green in color.

DATA SHEET

Date: 7/5/2018

Time: 1345 hrs

Station Number: 9

Station Description:

Grand Bayou, 0.5 miles north of Saline Bay.

Sample Depth (M)	0.5	1.0	2.0			
D.O. (mg/l)	8.5	8.5	8.2			
pH (S.U.)	8.4	8.4	8.3			
Temp. (EC)	25.3	25.3	25.1			
Conductivity (µmhos)	24,400	25,600	25,600			
Salinity	16.3	16.3	16.4			
Secchi (inches)	9					
Total Depth (M)	2.3					

Comments:

Cloud cover: 20%. Wind SE @ 0-5 mph. Tide incoming.