

H-GAC CLEAN RIVERS PROGRAM

***APPENDIX B:
TASK 3 WORK PLAN, SAMPLING PROCESS DESIGN, AND
MONITORING SCHEDULE (TABLE)***

TASK 3: WATER QUALITY MONITORING

Objectives: Water quality monitoring will focus on collecting information to characterize water quality in a variety of locations and conditions. These efforts will include a combination of:

- planning and coordinating basin-wide monitoring,
- routine, regularly-scheduled monitoring to collect long-term information and support statewide assessment of water quality,
- systematic, regularly-scheduled short-term monitoring to screen water bodies for issues,
- permit-support monitoring to provide information for setting permit effluent limits, and
- special study, intensive monitoring targeted to:
 - identify sources and causes of pollution,
 - assess priority water quality issues,
 - obtain background water quality information,
 - provide information for setting site-specific permit effluent limits, and
 - evaluate statewide, regional, and site-specific water quality standards.

Task Description: In the absence of a single, regional entity that comprehensively monitors water quality across the San Jacinto River Basin and the various coastal basins in the Houston metropolitan area, the regional monitoring approach, which the Grantee is pursuing through the CRP, involves coordinating efforts among those local agencies, which monitor water quality in some portion of the area for their own specialized purposes and with their own organizational approaches. The Grantee's regional QAPP is the mechanism for bringing this existing data into the statewide water quality database. The participation of local monitoring agencies in this regional coordination effort has been largely voluntary. The Grantee provides assistance to some participating agencies contributing data to the CRP by paying for CRP quality assurance requirements, as well as, additional parameters collected at the Grantee's request on behalf of the CRP as negotiated with each participating agency.

During FY 2012 - 2013, the Grantee will continue to refine current monitoring efforts in the basins in partnership with the agencies participating voluntarily in the Grantee's RMW. This core group will define common goals and objectives and also consider goals of the environmental and regulatory communities in the basins. Project staff will take the RMW results and recommendations to the Grantee's CRP Steering Committee for concurrence and to enable additional review and comment by various basin interests. The details of the monitoring for the basins will then be documented in the Grantee's FY 2012-2013 QAPP updates. Initial funding agreements will be in place during FY 2012 based on the results of the regional monitoring evaluation in FY 2011.

Working with GBEP staff, the Grantee will continue to coordinate all monitoring and data management efforts between the RMW and the Monitoring and Research Subcommittee. The Grantee also will continue to arrange regional training opportunities and workshops which support cooperative monitoring efforts (e.g., field methods, biological data collection, and habitat assessment).

Monitoring Description - Local monitoring agencies participate voluntarily in the Grantee's monitoring program. The Grantee provides assistance to some participating agencies contributing data to the CRP by paying for CRP quality assurance requirements, as well as, additional parameters collected at the Grantee's request on behalf of the CRP as negotiated with each participating agency. CRP funds are used to augment their existing monitoring programs in order to further their own program objectives and have access to a much larger dataset. Special studies are developed, as needed, based on local stakeholder input and the results of TCEQ or the Grantee assessments.

Currently, six local agencies are involved in this regional monitoring effort: the Environmental Institute of Houston, Harris County Environmental Public Health Division, San Jacinto River Authority, City of Houston Department of Health and Human Services, the City of Houston Department of Water Quality Control, and the Grantee. The six agencies have a combined total of over 300 monitoring sites in the region. Each of the agencies' monitoring activities will be coordinated through the RMW. The coordination reduces monitoring duplication and allows all local agencies to see the data collection efforts

of and data availability from other local agencies. Routine monitoring is scheduled at varying frequencies, which are determined by the parameters of concern for individual streams and/or proximity to a monitoring agency's field office and lab. Frequencies vary from quarterly for some parameters to monthly in highly impacted urban areas. Baseline monitoring will include the collection of basic field parameters at all sites and the collection of bacteria, flow, and conventional chemical parameters at sites where indicated. Additional details concerning the monitoring activities conducted by the basin partner agencies are outlined in the Grantee area wide QAPP.

In FY 2012, Grantee will collect quarterly samples at 30 water quality monitoring sites throughout the Grantee service area. Most sites are located in the upper portions of watersheds or watersheds that fall outside the jurisdiction of local partner agencies. In FY 2013 area partners are expected to monitor at a similar level of effort as in FY 2012. The actual number of sites, location, frequency, and parameters collected for FY 2013 will be based on priorities identified at the basin Steering Committee and Coordinated Monitoring Meetings and included in the amended Appendix B schedule of the QAPP.

All monitoring procedures and methods will follow the guidelines prescribed in Grantee QAPP, the TCEQ *SWQM Procedures, Volume 1: Physical and Chemical Monitoring Methods for Water, Sediment, and Tissue (RG-415)* and the TCEQ *SWQM Procedures, Volume 2: Methods for Collecting and Analyzing Biological Community and Habitat Data (RG-416)*.

Coordinated Monitoring Meeting – The Grantee will hold an annual Coordinated Monitoring Meeting on the fourth Tuesday of March. Qualified monitoring organizations will be invited to attend the working meeting in which monitoring needs and purposes will be discussed segment by segment and station by station. Information from participants and stakeholders will be used to select stations and parameters that will enhance overall water quality monitoring coverage, eliminate duplication of effort, and address basin priorities. The changes to the monitoring schedule will be entered into the statewide database on the Internet (<http://cms.lcra.org>) and communicated to meeting attendees. Changes to monitoring that occur during the course of the year will be entered into the statewide database and communicated to meeting attendees.

Progress Report - Each Progress Report will indicate the number of sampling events and the types of monitoring conducted in the quarter, to include all types of monitoring.

Special Studies - Status reports of each special study will describe activities during the quarter. The status reports will be submitted along with the Progress Report. To help ensure the public and basin stakeholders are informed, the Grantee website will be updated in a timely manner to include key elements of special studies reports or summaries (e.g., status reports, executive summary, maps, and data analysis).

Aquatic Life Monitoring - Low Dissolved Oxygen (DO) levels are found on many streams within the Grantee region. While significant amounts of water chemistry data have been collected at routine monitoring sites, the aquatic life communities at most sites in the region have not been evaluated. The Grantee proposes to conduct aquatic life monitoring at up to 7 sites on wadeable streams that have previously not been evaluated. The monitoring will be completed using approved TCEQ methods. Sites will be selected by the Grantee and TCEQ.

A data summary report will be submitted in August of 2013. A draft and final report, including the Biological Summary packet, will be completed during FY 2014.

24 Hour DO Monitoring - There are priority sub-segments with DO impairments or concerns in the Grantee region. More data collection is needed to determine if the segments are actually impaired. The Grantee proposes to conduct 24 hour DO monitoring six times throughout the two year Agreement period. The sites will be determined once budget is approved and Coordinated Monitoring meeting information is finalized.

Site Characterizations - Review of local monitoring data indicates there are many sites throughout the region where elevated levels of bacteria or low levels of DO are chronic conditions. Local entities are

interested in determining why these chronic conditions exist. Beginning with some of the most problematic sites, The Grantee and other CRP partners will conduct 'site specific' characterizations. Habitat information, field verification of land cover, and identification of potential sources of pollution will be collected. Additional monitoring will be collected from these small sub-watersheds as needed to supply data to support TCEQ's assessment process. Data collected during these intensive surveys will be submitted to TCEQ for consideration while developing stream standards. As a result of the data collected during the site specific characterizations, identified sources causing the impairment will allow local entities to expend other resources to fix the problems and will, hopefully, result in improved conditions at these sites. A short report of approximately 1-5 pages in length along with photographs will be submitted following completion of each characterization assessment. An appendix to the Regional QAPP will be developed to provide the details of these special studies.

Biological Monitoring Summary Packets & Reports for Aquatic Life Monitoring conducted during FY2011 - During the FY 2010-2011 period, H-GAC contracted with the Environmental Institute of Houston to conduct aquatic life monitoring at 5 sites on wadeable streams within the H-GAC region. All data were collected prior to August 31, 2011, and the final Biological Monitoring Summary packets and reports are scheduled for delivery in FY 2012.

Data collected during each event included field multi-probe parameters, Diel (24-hour) measurements, routine water chemistry samples, flow measurements and observations, a fish survey, a benthic macroinvertebrate survey, and a stream physical habitat survey. Additionally, the following items will be submitted to TCEQ: copies of field notes and forms, latitude/longitude coordinates of each reach, and color photographs. The data will be analyzed using the regional approach currently used by TCEQ. For any comparisons to past conditions, the previous data will have to be re-analyzed using the currently approved regional metrics. If the old data cannot be re-calculated using the regional metrics, the current data will be calculated using the state metrics for the report comparison only. However, all new data will be submitted to TCEQ in the approved regional metrics format.

Deliverables and Dues Dates:

September 1, 2011 through August 31, 2012

- A. Conduct water quality monitoring, summarize activities, and submit with Progress Report - December 15, 2011; March 15 and June 15, 2012
- B. Biological Data Report (for data collected in the FY 2010-11 biennium) – December 1, 2011
- C. Coordinated Monitoring Meeting - March 26, 2012
- D. Coordinated Monitoring Meeting Summary of Changes - May 15, 2012
- E. Email notification that Coordinated Monitoring Schedule updates are complete - May 31, 2012
- F. Draft Report: Aquatic Life Monitoring Report from biological monitoring activities conducted in the FY 2010-11 biennium – May 1, 2012
- G. Final Report: Aquatic Life Monitoring Report from biological monitoring activities conducted in the FY 2010-11 biennium – August 20, 2012
- H. Special Study - Status Reports - December 15, 2011; March 15 and June 15, 2012

September 1, 2012 through August 31, 2013

- A. Conduct water quality monitoring, summarize activities, and submit with Progress Report - September 15 and December 15, 2012; March 15 and June 15 and August 31, 2013
- B. Coordinated Monitoring Meeting - April 2, 2013
- C. Coordinated Monitoring Meeting Summary of Changes – May 15, 2013
- D. Email notification that Coordinated Monitoring Schedule updates are complete - May 31, 2013
- E. Special Study - Status Reports - September 15 and December 15, 2012; March 15 and June 15, 2013
- F. Special Study - Draft Report – July 15, 2013
- G. Special Study - Final Report – August 15, 2013
- H. Special Study - post Final Report to Web – August 15, 2013

Sample Design Rationale FY 2012

The sample design is based on the legislative intent of the Clean Rivers Program. Under the legislation, the Basin Planning Agencies have been tasked with providing data to characterize water quality conditions in support of the 305(b) assessment and to identify significant long-term water quality trends. Based on Steering Committee input, achievable water quality objectives and priorities and the identification of water quality issues are used to develop work plans which are in accord with available resources. As part of the Steering Committee process, H-GAC coordinates closely with the TCEQ and other participants to ensure a comprehensive water monitoring strategy within the watershed.

The following changes or additions have been made to the monitoring schedule. These changes have come about because of concerns or requests of steering committee members or monitoring entities during the Coordinated Monitoring meeting conducted in March 2011.

1. HG will add 24-hr DO monitoring at station 16658 (Plum Creek @ Old Galveston Rd in southeast Houston) 3 times in FY2012 and 3 times in FY2013.
2. HG will add 24-hr DO monitoring at station 16659 (Pine Gully @ Old Galveston Rd. in southeast Houston) 3 times in FY2012 and 3 times in FY2013.
3. HG will add 24-hr DO monitoring at station 18509 (Brushy Bayou immediately upstream of Brazoria CR 210 east of Angleton) 3 times in FY2012 and 3 times in FY2013.
4. HG will add 24-hr DO monitoring at station 20721 (West Bernard Creek at Wharton CR 225 east of Hungerford) 3 times in FY2012 and 3 times in FY2013.
5. HG will add 24-hr DO monitoring at station 11120 (Cedar Bayou above tidal 20 meters downstream of US 90 northeast of Crosby) 3 times in FY2012 and 3 times in FY2013.
6. HG will add 24-hr DO monitoring at station 11123 (Cedar Bayou above tidal 45 meters downstream of FM 1960 northeast of Huffman) 3 times in FY2012 and 3 times in FY2013.
7. HHS dropped site 11277 (Greens Bayou @ FM 520) due to safety and ADD new station 21008 at Greens Bayou @ Wallisville Rd.
8. HHS decided NOT to drop site 11128 (Hunting Bayou @ I-10).
9. HHS decided NOT to drop site 16663 (Spring Gully @ Barnesworth in NE Houston)
10. HW dropped site 11336 (Peach Creek @ FM 1485), and added site 11337 (Peach Creek @ 2090).
11. HW decided NOT to drop site 11334 to add a site at Dry Creek @ FM 1485.
12. The sampling frequency for site 20782 (Lake Houston west fork near Bellawood) is sampled on a monthly basis NOT bi-monthly (every other month).
13. SJRA-W dropped site 20568 (Lake Woodlands @ center of Lake Woodlands Drive bridge). They collected all the data they needed for the permit. They still have good coverage on Lake Woodlands with 4 other sites.
14. The number chlorophyll *a* samples was decreased to 2 for all of Lake Woodlands, one will be collected from the site located nearest the dam (16482) and then in the upper portion of the lake (16484).
15. HG dropped site 11111 (Cedar Bayou @ Roseland Park in Baytown) and added site 11115 (Cedar Bayou 45 meters downstream of SH 146).
16. HC will start collecting profile field data during their monitoring efforts as soon as the depth meter on the Hydrolab minisonde 4a is repaired or replaced.
17. EIH will take over all monitoring at station 11478 (Chocolate Bayou @ FM 2004) which includes adding TKN and chlorophyll *a*, because EIH collects from the centroid of the

flow in a boat. TCEQ will be able to move their effort to another location because they collect their sample from shore.

18. There was great confusion over a couple of monitoring sites in Chocolate Bayou/ Chocolate Bay. EIH will monitor at the correct coordinates and disregard the description because the channel markers can get moved over time. EIH dropped site 13346 and added site 17085. EIH also dropped site 13347 and added site 17086. Both are historical sampling locations and are listed in the 2012 CMS on the LCRA web site.
19. EIH dropped Clear Lake sites 16671, 16571, and 16572 since they are duplicating effort.
20. In their place, EIH added site 11423 (Mustang Bayou @ FM 2917), site 18554 (Mustang Bayou immediately upstream of East South Street in Alvin); and site 17068 (Hickory Slough @ Robinson Dr., Pearland)
21. EIH dropped site 17072 (Chigger Creek @ Windsong in Friendswood) and added site 20010 (Clear Creek @ Yost Rd. east of County Club Blvd. in Pearland).
22. HCFCD and PWE are new partners that will collect samples from current CRP monitoring sites. The purpose of their monitoring will be to collect additional bacteria data to help identify how bacteria concentrations change or fluctuate during the day. They will be monitoring at only 10 sites and all 10 sites are located at USGS gage locations to capture flow data as well. Sites include: 11125, 11126, 11129, 11132, 11135, 11139, 11140, 11332, 11362, and 11371.

Site Selection Criteria

This data collection effort involves monitoring routine water quality, using procedures that are consistent with the TCEQ SWQM program, for the purpose of data entry into the SWQMIS database maintained by the TCEQ. To this end, some general guidelines are followed when selecting sampling sites, as basically outlined below, and discussed thoroughly in the TCEQ Surface Water Quality Monitoring Procedures, Volume 1 (RG-415). Overall consideration is given to accessibility and safety. All monitoring activities have been developed in coordination with the CRP Steering Committee and with the TCEQ.

1. Locate stream sites so that samples can be safely collected from the centroid of flow. Centroid is defined as the midpoint of that portion of stream width which contains 50 percent of the total flow. If few sites are available for a stream segment, choose one that would best represent the water body, and not an unusual condition or contaminant source. Avoid backwater areas or eddies when selecting a stream site.
2. At a minimum for reservoirs, locate sites near the dam (reservoirs) and in the major arms. Larger reservoirs might also include stations in the middle and upper (riverine) areas. Select sites that best represent the water body by avoiding coves and back water areas. A single monitoring site is considered representative of 25 percent of the total reservoir acres, but not more than 5,120 acres.
3. Routine monitoring sites are selected to maximize stream coverage or basin coverage. Very long segments may require more stations. As a rule of thumb, stream segments between 25 and 50 miles long require two stations, and longer than 50 miles require three or more depending on the existence of areas with significantly different sources of contamination or potential water quality concerns. Major hydrological features, such as the confluence of a major tributary or an instream dam, may also limit the spatial extent of an assessment based on one station.

4. Because historical water quality data can be very useful in assessing use attainment or impairment, it may be best to use sites that are on current or past monitoring schedules.
5. All classified segments (including reservoirs) should have at least one routine monitoring site that adequately characterizes the water body, and should be coordinated with the TCEQ or other qualified monitoring entities reporting routine data to TCEQ.
6. Routine monitoring sites may be selected to bracket sources of pollution, influence of tributaries, changes in land uses, and hydrological modifications.
7. Sites should be accessible. When possible, stream sites should have a USGS or IBWC stream flow gauge. If not, it should be possible to conduct flow measurement during routine visits.

Monitoring Sites

The FY 2012 Monitoring Table is presented as an EXCEL spreadsheet (Attached).

Critical vs. non-critical measurements

All data taken for CRP and entered into SWQMIS are considered critical.

Legend for the Coordinated Monitoring Schedule

(See Tables A7.1a thru A7.1g for partner specific parameters.)

RT = Routine Monitoring

BS = Biased Season

Field Parameters: include grab measurements for Temperature, Specific Conductance, pH, Dissolved Oxygen, Salinity (where applicable), Transparency, Total Depth, Days Since Last Significant Precipitation, and numerous qualitative parameters.

Bacteria Parameters: includes *E.coli* and/or Enterococci

Conventional Parameters: include these parameters plus a few others - TSS, Ammonia, TKN, Nitrite+Nitrate, total Phosphorus, chloride, sulfate, chlorophyll *a*.

FY2012 CMS for H-GAC's Regional QAPP
(includes all partners)

Site Description	Station ID	Waterbody ID	Basin	Region	SE (Submitting Entity)	CE (Collecting Entity)	MT (Monitoring Type)	24 hr DO	Field	Conventionals	Flow	Bacteria	Enterococci	TKN	Chlorophyll a	Comments
SAN JACINTO RIVER TIDAL IMMEDIATELY DOWNSTREAM OF IH 10 BRIDGE EAST OF CHANNELVIEW	11193	1001	10	12	HG	HC	RT		12	12		12		4		
SAN JACINTO RIVER TIDAL 23 METERS SOUTH AND 735 METERS EAST OF INTERSECTION OF WALLISVILLE ROAD AND 7TH STREET	11198	1001	10	12	HG	HC	RT		12	12		12		4		
SAN JACINTO RIVER TIDAL IMMEDIATELY DOWNSTREAM OF US 90 BRIDGE EAST OF SHELDON	11200	1001	10	12	HG	HC	RT		12	12		12		4		Gage 8072050
SAN JACINTO RIVER TIDAL AT MAGNOLIA GARDENS 1.78 KM UPSTREAM OF US BUS 90U/ BEAUMONT HIGHWAY IN	11201	1001	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL AT BAYTOWN TUNNEL/CM 103 1.84 KM NORTH AND 1.17 KM EAST OF INTERSECTION OF SH 225 AND SH 146	11254	1005	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL AT SAN JACINTO PK WEST OF THE BATTLESHIP TX 317 M N AND 303 M W OF INTERSECTION OF BATTLEGROUND RD AND MARKER DR	11264	1006	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL AT CONFLUENCE WITH GREENS BAYOU/CM 152	11271	1006	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL/BUFFALO BAYOU HSC AT WASHBURN TUNNEL	11283	1007	10	12	HG	HC	RT		12	12		12		4		
HSC/BUFFALO BAYOU IN TURNING BASIN 2.82 K UPSTREAM OF CONFLUENCE WITH BRAYS BAYOU 433 M S AND 182 M W OF INTERSECT OF SIGNET AND DORSETT	11292	1007	10	12	HG	HC	RT		12	12		12		4	4	Gage 8074710
CLEAR LAKE AT SH 146 DRAWBRIDGE	13332	2425	24	12	HG	HC	RT		12	12		12		4	4	Gage 8077637
TABBS BAY MIDWAY BETWEEN GOOSE CREEK AND UPPER HOG ISLAND	13338	2426	24	12	HG	HC	RT		12	12		12		4	4	This site replaced site 17926
BLACK DUCK BAY AT MID BAY 0.6 KM NE OF SH 146 BRIDGE AND 0.6 KM SE OF END OF OKLAHOMA ST IN BAYTOWN	13340	2428	24	12	HG	HC	RT		12	12		12		4	4	

FY2012 CMS for H-GAC's Regional QAPP
(includes all partners)

Site Description	Station ID	Waterbody ID	Basin	Region	SE (Submitting Entity)	CE (Collecting Entity)	MT (Monitoring Type)	24 hr DO	Field	Conventionals	Flow	Bacteria	Enterococci	TKN	Chlorophyll a	Comments
BURNETT BAY AT MID BAY 1.3 KM SSW OF CONFLUENCE WITH SPRING GULLY AND 1.6 KM SE OF LYNCHBURG ROAD	13344	2430	24	12	HG	HC	RT		12	12		12		4	4	This site replaced site 17920
ARMAND BAYOU TIDAL 25 M WEST OF CLEAR LAKE PARK FISHING PIER IN MUD LAKE/PASADENA LAKE IN HARRIS COUNTY	15455	1113	11	12	HG	HC	RT		12	12		12		4	4	
CLEAR CREEK TIDAL AT THE CONFLUENCE WITH CLEAR LAKE 30 M NORTH AND 266 M WEST OF DAVIS ROAD AT VEGA COURT IN LEAGUE CITY IN HARRIS COUNTY	16573	1101	11	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL AT CARGILL TERMINAL NORTH OF TIDAL ROAD	16617	1006	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL W OF EXXON DOCKS AND N OF ALEXANDER ISLAND 316 M S AND 1.55 KM W OF INTERSECTION OF BAYWAY DR AND BAYTOWN AVE	16618	1005	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL AT LYNCHBURG FERRY INN SOUTH OF LYNCHBURG RD 658 M N AND 802 M E OF INTERSECTION OF BATTLEGROUND RD AND TIDAL RD	16619	1005	10	12	HG	HC	RT		12	12		12		4		
HOUSTON SHIP CHANNEL/BUFFALO BAYOU AT MAYO SHELL RD 1.42 KM S AND 41 M W OF INTERSECTION OF MAYO SHELL	16620	1007	10	12	HG	HC	RT		12	12		12		4		
SAN JACINTO RIVER TIDAL AT CONFLUENCE WITH HSC 226 M S AND 1.07 KM W OF INTERSECTION OF S LYNCHBURG RD AND POQUENO RD IN HOUSTON	16621	1005	10	12	HG	HC	RT		12	12		12		4		
SAN JACINTO RIVER TIDAL AT BANANA BEND ROAD AT END OF PAVEMENT IN HOUSTON	16622	1001	10	12	HG	HC	RT		12	12		12		4		
SAN JACINTO RIVER TIDAL MID STREAM AT TERMINUS OF SHADY LANE IN CHANNELVIEW 9 M S AND 648 M W OF INTERSECTION OF SHADY LN AND PARK DR	17919	1001	10	12	HG	HC	RT		12	12		12		4		

FY2012 CMS for H-GAC's Regional QAPP
(includes all partners)

Site Description	Station ID	Waterbody ID	Basin	Region	SE (Submitting Entity)	CE (Collecting Entity)	MT (Monitoring Type)	24 hr DO	Field	Conventionals	Flow	Bacteria	Enterococci	TKN	Chlorophyll a	Comments
CRYSTAL BAY IN BAYTOWN 383 METERS WEST AND 137 METERS SOUTH OF THE INTERSECTION OF BAYSHORE DRIVE AND CROW ROAD	17921	2430A	24	12	HG	HC	RT		12	12		12		4	4	Change temporary id to 17921
SCOTT BAY 1.2 KM SW OF INTERSECTION OF BAYWAY DRIVE AND PARK STREET IN BAYTOWN	17922	2429	24	12	HG	HC	RT		12	12		12		4	4	
UPPER SAN JACINTO BAY UNDERNEATH ELECTRICAL TRANSMISSION LINES 2.1 KM E/NE OF INTERSECTION OF MILLER CUTOFF RD AND OLD CLARK RD	17923	2427	24	12	HG	HC	RT		12	12		12		4	4	
LOWER SAN JACINTO BAY MID CHANNEL SOUTH OF SH 146 1 KM NE OF INTERSECTION OF SH 225 AND STRANG ROAD IN LAPORTE	17924	2427	24	12	HG	HC	RT		12	12		12		4	4	
BARBOUR'S CUT NEAR NORTH BANK 0.5 KM NNW OF THE INTERSECTION OF BARBOURS CUT BLVD AND MAPLE ST	17925	2436	24	12	HG	HC	RT		12	12		12		4		
GOOSE CREEK NEAR SH 146 0.4 KM S/SW OF THE INTERSECTION OF SH 146 AND WEST MAIN IN BAYTOWN	17927	2426C	24	12	HG	HC	RT		12	12		12		4		
HARRIS COUNTY FLOOD CONTROL DITCH A TRIBUTARY TO TAYLOR BAYOU 385 M UPSTREAM OF CONFLUENCE WEST OF SH 146 AT PORT ROAD IN HARRIS COUNTY	20012	2425E	24	12	HG	HC	RT		12	12		12		4		
TAYLOR BAYOU MID CHANNEL 400 M DOWNSTREAM OF PORT ROAD BRIDGE IN HARRIS COUNTY	20013	2425D	24	12	HG	HC	RT		12	12		12		4		
CLEAR LAKE UNNAMED INLET 115 M SOUTHWEST OF THE INTERSECTION OF NASA ROAD 1 AND OCEANVIEW DRIVE IN SEABROOK IN HARRIS COUNTY	20014	2425	24	12	HG	HC	RT		12	12		12		4		
TAYLOR LAKE MID LAKE AT BLUE WINDOWS 230 M SOUTH OF LAKEWAY DRIVE AT RAY SHELL COURT/HARBOR COVE CIRCLE IN HARRIS COUNTY	20015	2425A	24	12	HG	HC	RT		12	12		12		4	4	

FY2012 CMS for H-GAC's Regional QAPP
(includes all partners)

Site Description	Station ID	Waterbody ID	Basin	Region	SE (Submitting Entity)	CE (Collecting Entity)	MT (Monitoring Type)	24 hr DO	Field	Conventionals	Flow	Bacteria	Enterococci	TKN	Chlorophyll a	Comments
CARPENTERS BAYOU AT MOUTH OF BARGE CANAL 32 METERS WEST AND 666 METERS SOUTH FROM THE INTERSECTION OF DE ZAVALLA ROAD AND HARDING ROAD/HARDING STREET IN HARRIS COUNTY	20797	1006	10	12	HG	HC	RT		12	12		12		4		
CEDAR BAYOU TIDAL MID CHANNEL 45 M DOWNSTREAM OF SH 146 NORTHEAST OF BAYTOWN	11115	0901	9	12	HG	HG	RT		4	4		4		4	4	Site was added to HG monitoring schedule in FY2012
CEDAR BAYOU TIDAL AT IH 10 EASTBOUND BRIDGE SOUTH OF MONT BELVIEU EAST SIDE OF BAYOU	11117	0901	9	12	HG	HG	RT		4	4		4		4	4	
CEDAR BAYOU ABOVE TIDAL 30 M DOWNSTREAM OF FM 1942 AT EAST BANK	11118	0902	9	12	HG	HG	RT		4	4	4	4	4	4	4	Site was added to HG monitoring schedule in FY2012
CEDAR BAYOU ABOVE TIDAL 20 M DOWNSTREAM OF US 90 NORTHEAST OF CROSBY	11120	0902	9	12	HG	HG	BS	3			3					Plan to collect 24-hr DO 3 times in FY12 and 3 times in FY13
CEDAR BAYOU ABOVE TIDAL 45 M DOWNSTREAM OF FM 1960 NORTHEAST OF HUFFMAN	11123	0902	9	12	HG	HG	RT		4	4	4	4	4	4	4	Gage 8067500
CEDAR BAYOU ABOVE TIDAL 45 M DOWNSTREAM OF FM 1960 NORTHEAST OF HUFFMAN	11123	0902	9	12	HG	HG	BS	3			3					Plan to collect 24-hr DO 3 times in FY12 and 3 times in FY13
BUFFALO BAYOU IMMEDIATELY DOWNSTREAM OF GREEN BUSH ROAD 3.1 MILES SOUTHEAST OF KATY	11145	1014B	10	12	HG	HG	RT		4	4	4	4	4	4		was HG168 Gage 8072300
WEST FORK SAN JACINTO RIVER 70 METERS UPSTREAM OF FM 2854 WEST OF CONROE	11250	1004	10	12	HG	HG	RT		4	4		4	4	4		
CANEY CREEK IMMEDIATELY UPSTREAM OF FM 2090 WEST OF SPLENDORA	11335	1010	10	12	HG	HG	RT		4	4	4	4	4	4		Site added in FY2012
LAKE CREEK AT EGYPT COMMUNITY ROAD 8.3 MILES SOUTHWEST OF CONROE	11367	1015	10	12	HG	HG	RT		4	4	4	4	4	4		Gage 8067900 ?
OYSTER CREEK TIDAL AT THAT-WAY DRIVE 0.5 MILES BELOW FM 2004	11486	1109	11	12	HG	HG	RT		4	4		4		4		was HG175

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Site Description	Station ID	Waterbody ID	Basin	Region	SE (Submitting Entity)	CE (Collecting Entity)	MT (Monitoring Type)	24 hr DO	Field	Conventionals	Flow	Bacteria	Enterococci	TKN	Chlorophyll a	Comments
SAN BERNARD RIVER IMMEDIATELY DOWNSTREAM OF FM 3013 ON THE COLORADO-AUSTIN COUNTY LINE APPROXIMATELY 15KM SW OF SEALY	16370	1302	13	12	HG	HG	RT		4	4	4	4	4	4	4	
MILL CREEK 1.810KM UPSTM OF HARDIN STORE RD DECKER HILLS SUBDIVISION TEXAS WATER SERVICES INC DECKER HILLS PLANT PERMIT WQ0012587-001	16604	1008A	10	12	HG	HG	RT		4	4	4	4	4	4		
PLUM CREEK/TRIBUTARY OF SIMS BAYOU AT OLD GALVESTON ROAD IN SOUTHEAST HOUSTON	16658	1007I	10	12	HG	HG	BS	3			3					Plan to collect 24-hr DO 3 times in FY12 and 3 times in FY13
PINE GULLY/TRIBUTARY OF SIMS BAYOU AT OLD GALVESTON ROAD IN SOUTHEAST HOUSTON	16659	1007H	10	12	HG	HG	BS	3			3					Plan to collect 24-hr DO 3 times in FY12 and 3 times in FY13
EAST FORK SAN JACINTO RIVER IMMEDIATELY DOWNSTREAM OF SH 150 WEST OF COLDSRING	17431	1003	10	10	HG	HG	RT		4	4	4	4	4	4		Added site in FY11
MOUND CREEK 167 METERS DOWNSTREAM OF RUN OF THE OAKS 1.35 KM UPSTREAM OF CONFLUENCE WITH LAKE CREEK	17937	1015A	10	12	HG	HG	RT		4	4	4	4	4	4		
LAKE CREEK AT FM 149 APPROX 12.5 KM SOUTH OF MONTGOMERY TEXAS NEAR KAREN TEXAS	18191	1015	10	12	HG	HG	RT		4	4		4	4	4		
BRUSHY BAYOU IMMEDIATELY UPSTREAM OF BRAZORIA CR 210 EAST OF ANGLETON	18509	1105D	11	12	HG	HG	BS	3			3					Plan to collect 24-hr DO 3 times in FY12 and 3 times in FY13
SPRING CREEK AT ROBERTS CEMETERY ROAD WEST-NORTHWEST OF TOMBALL	18868	1008	10	12	HG	HG	RT		4	4	4	4	4	4		
SPRING BRANCH AT SH 242 NORTHWEST TO THE CITY OF WOODBRANCH	20451	1010C	10	12	HG	HG	RT		4	4	4	4	4	4		was HG170
CANEY CREEK AT FIRE TOWER ROAD WEST TO THE CITY OF WOODBRANCH	20452	1010	10	12	HG	HG	RT		4	4		4	4	4		was HG171
CANEY CREEK AT COUNTY LINE ROAD IN MONTGOMERY COUNTY EAST TO THE CITY OF WILLIS	20453	1010	10	12	HG	HG	RT		4	4		4	4	4		was HG172

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PEACH CREEK AT COUNTY LINE ROAD-FM 3081 NORTHEAST OF CONROE IN MONTGOMERY COUNTY	20454	1011	10	12	HG	HG	RT		4	4	4	4	4	4		was HG173
HALLS BAYOU 50 METERS EAST TO THE INTERSECTION OF KOWIS STREET AND SHADY LANE 535 METERS DOWNSTREAM OF HOPPER ROAD AND 502 METERS UPSTREAM OF LITTLE YORK ROAD IN HOUSTON	20455	1006D	10	12	HG	HG	RT		4	4		4	4	4		was HG177
LITTLE CYPRESS CREEK AT MUESCHKE ROAD 4.4 KILOMETERS NORTH OF SH 290 NORTHWEST OF CYPRESS	20456	1009E	10	12	HG	HG	RT		4	4	4	4	4	4		was HG166
CYPRESS CREEK AT KATY HOCKLEY ROAD 7 KILOMETERS SOUTH OF SH 290 WEST OF CYPRESS	20457	1009	10	12	HG	HG	RT		4	4	4	4	4	4		was HG167 Gage 8068720
SAN BERNARD RIVER TIDAL AT SH 35 SOUTHWEST OF WEST COLUMBIA	20460	1301	13	12	HG	HG	RT		4	4		4		4	4	was HG176
WALNUT CREEK AT DECKER PRAIRIE ROSEHL ROAD NORTHWEST OF TOMBALL	20462	1008I	10	12	HG	HG	RT		4	4		4	4	4		was HG180
BRUSHY CREEK AT GLENMONT ESTATES BOULEVARD 265 METERS NORTH AND 35 METERS WEST TO THE INTERSECTION OF ARNDT LANE AND ANN CIRCLE WEST OF TOMBALL	20463	1008J	10	12	HG	HG	RT		4	4		4	4	4		
HORSEPEN CREEK AT FM 529 1.9 KILOMETERS EAST OF SH 6 NORTHWEST OF HOUSTON	20465	1014C	10	12	HG	HG	RT		4	4	4	4	4	4		was HG165
TARKINGTON BAYOU AT SH 105/SH 321 SOUTHEAST OF CLEVELAND	20466	1002A	10	12	HG	HG	RT		4	4	4	4	4	4		was HG169
HALLS BAYOU AT HOPPER ROAD 46 METERS EAST OF THE INTERSECTION OF HOPPER ROAD AND SHADY LANE IN HARRIS COUNTY	20553	1006D	10	12	HG	HG	RT		4	4	4	4	4	4		
WEST BERNARD CREEK AT WHARTON CR 225 IN EAST OF HUNGERFORD	20721	1302B	13	12	HG	HG	RT		4	4	4	4	4	4	4	replaces temp id HG-185

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WEST BERNARD CREEK AT WHARTON CR 225 IN EAST OF HUNGERFORD	20721	1302B	13	12	HG	HG	BS	3			3					Plan to collect 24-hr DO 3 times in FY12 and 3 times in FY13
PEACH CREEK AT WHARTON CR 117/CHUDALLA ROAD/ARCHER ROAD 89 METERS SOUTH OF THE INTERSECTION OF WHARTON CR 117/CHUDALLA ROAD/ARCHER ROAD AND WHARTON CR 121/ WHARTON CR 119/DONALDSON ROAD IN EAST OF WHARTON	20722	1302	13	12	HG	HG	RT		4	4	4	4	4	4	4	replaces temp id HG-186
MOUND CREEK AT BRAZORIA CR 450/JACKSON SETTLEMENT ROAD 1.22 KILOMETERS UPSTREAM OF FM 1301 IN WEST OF WEST COLUMBIA	20723	1302	13	12	HG	HG	RT		4	4	4	4	4	4	4	replaces temp id HG-187
UNNAMED TRIBUTARY OF GREENS BAYOU IMMEDIATELY DOWNSTREAM OF GREENRANCH ROAD 1.02 KM UPSTREAM OF CONFLUENCE WITH GREENS BAYOU	11124	1016C	10	12	HG	HH	RT		9	9		9		4		
GARNERS BAYOU AT NORTH SAM HOUSTON PARKWAY/SH LOOP 8 NE OF HOUSTON	11125	1016A	10	12	HG	HH	RT		9	9	9	9		4		Gage 8076180
HALLS BAYOU AT JENSEN DRIVE IN HOUSTON	11126	1006D	10	12	HG	HH	RT		9	9	9	9		4		Gage 8076500
HALLS BAYOU 87 METERS UPSTREAM OF TIDWELL ROAD IN SETTEGAST	11127	1006D	10	12	HG	HH	RT		9	9		9		4		
HUNTING BAYOU IMMEDIATELY DOWNSTREAM OF IH 10 EAST OF HOUSTON	11128	1007R	10	12	HG	HH	RT		9	9		9		4		
HUNTING BAYOU AT NORTH LOOP EAST/IH 610 IN HOUSTON	11129	1007R	10	12	HG	HH	RT		9	9	9	9		4		Gage 8075770
SIMS BAYOU AT TELEPHONE ROAD/SH 35 IN HOUSTON	11132	1007D	10	12	HG	HH	RT		9	9	9	9		4		Gage 8075500
SIMS BAYOU AT CULLEN BLVD/FM 865 SOUTH OF HOUSTON	11133	1007D	10	12	HG	HH	RT		9	9		9		4		
SIMS BAYOU AT HIRAM CLARKE RD IN HOUSTON	11135	1007D	10	12	HG	HH	RT		9	9	9	9		4		Gage 8075400
BRAYS BAYOU IMMEDIATELY DOWNSTREAM OF ALMEDA ROAD SOUTHWEST OF HOUSTON	11138	1007B	10	12	HG	HH	RT		9	9		9		4		

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BRAYS BAYOU AT SOUTH MAIN ST IN HOUSTON	11139	1007B	10	12	HG	HH	RT		9	9	9	9		4		Gage 8075000
BRAYS BAYOU AT SOUTH GESSNER DRIVE IN HOUSTON	11140	1007B	10	12	HG	HH	RT		9	9	9	9		4		Gage 8074810
LITTLE WHITE OAK BAYOU AT TRIMBLE STREET/NORTH EDGE OF HOLLYWOOD CEMETERY IN HOUSTON	11148	1013A	10	12	HG	HH	RT		9	9	9	9		4		Gage 8074540
VOGEL CREEK IMMEDIATELY DOWNSTREAM OF WEST LITTLE YORK ROAD	11155	1017C	10	12	HG	HH	RT		9	9		9		4		
ROLLING FORK CREEK IMMEDIATELY DOWNSTREAM OF LAKE LANE	11157	1017F	10	12	HG	HH	RT		9	9		9		4		
SOUTH MAYDE CREEK IMMEDIATELY DOWNSTREAM OF MEMORIAL DRIVE	11163	1014H	10	12	HG	HH	RT		9	9		9		4		
BRAYS/KEEGANS BAYOU IMMEDIATELY DOWNSTREAM OF ROARK ROAD NEAR US 59 AT BELTWAY 8 IN SOUTHWEST HOUSTON	11169	1007C	10	12	HG	HH	RT		9	9	9	9		4		Gage 8074800
LITTLE VINCE BAYOU IMMEDIATELY DOWNSTREAM OF NORTH MAIN STREET IN PASADENA TX	11172	1007	10	12	HG	HH	RT		9	9		9		4		
WILLOW CREEK IMMEDIATELY UPSTREAM OF GOSLING ROAD	11185	1008H	10	12	HG	HH	RT		9	9		9		4		
RUMMEL CREEK IMMEDIATELY DOWNSTREAM OF MEMORIAL DRIVE IN WEST HOUSTON	11188	1014N	10	12	HG	HH	RT		9	9		9		4		
GREENS BAYOU IMMEDIATELY DOWNSTREAM OF GREEN RIVER ROAD/LEY ROAD IN HOUSTON	11279	1006	10	12	HG	HH	RT		9	9	9	9		4		Gage 8076700
HUNTING BAYOU TIDAL AT FEDERAL ROAD BRIDGE IN HOUSTON	11298	1007	10	12	HG	HH	RT		9	9		9		4		
SIMS BAYOU TIDAL IMMEDIATELY DOWNSTREAM OF LAWDALE AVENUE IN HOUSTON	11302	1007	10	12	HG	HH	RT		9	9		9		4		
SIMS BAYOU TIDAL AT GALVESTON ROAD IN HOUSTON	11304	1007	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU TIDAL AT 75TH STREET IN HOUSTON	11306	1007	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU TIDAL AT SCOTT STREET IN HOUSTON	11309	1007	10	12	HG	HH	RT		9	9		9		4		

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SPRING CREEK IMMEDIATELY DOWNSTREAM OF RILEY FUZZEL ROAD	11312	1008	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8068520
SPRING CREEK IMMEDIATELY UPSTREAM OF SH 249	11314	1008	10	12	HG	HH	RT		9	9	9	9	4	4		Monitoring Entity changed from HW to HH in FY2010 Gage 8068275
SPRING CREEK IMMEDIATELY UPSTREAM OF DECKER PRAIRIE ROSEHILL ROAD	11323	1008	10	12	HG	HH	RT		9	9		9	4	4		Part of UAA
CYPRESS CREEK AT STEUBNER-AIRLINE ROAD IN HOUSTON	11330	1009	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8068900
CYPRESS CREEK AT SH 249	11331	1009	10	12	HG	HH	RT		9	9		9	4	4		Monitoring Entity changed from HW to HH in FY2010
CYPRESS CREEK IMMEDIATELY DOWNSTREAM OF GRANT ROAD NEAR CYPRESS	11332	1009	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8068800
CYPRESS CREEK IMMEDIATELY DOWNSTREAM OF HOUSE HAHN ROAD NEAR CYPRESS	11333	1009	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8068740
BUFFALO BAYOU TIDAL AT MCKEE ST IN HOUSTON	11345	1013	10	12	HG	HH	RT		9	9		9		4		
BUFFALO BAYOU TIDAL IMMEDIATELY DOWNSTREAM OF MAIN STREET IN HOUSTON	11347	1013	10	12	HG	HH	RT		9	9	9	9		4		Gage 8074600
BUFFALO BAYOU TIDAL AT SHEPHERD DRIVE IN HOUSTON	11351	1013	10	12	HG	HH	RT		9	9	9	9		4		Gage 8074000
BUFFALO BAYOU AT VOSS ROAD	11356	1014	10	12	HG	HH	RT		9	9		9	4	4		
BUFFALO BAYOU IMMEDIATELY DOWNSTREAM OF WEST BELTWAY 8 IN HOUSTON	11360	1014	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8073600
BUFFALO BAYOU AT WILCREST DRIVE IN HOUSTON	11361	1014	10	12	HG	HH	RT		9	9		9	4	4		
BUFFALO BAYOU IMMEDIATELY DOWNSTREAM OF DAIRY	11362	1014	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8073500
BUFFALO BAYOU AT ELDRIDGE ROAD IN HOUSTON	11363	1014	10	12	HG	HH	RT		9	9		9	4	4		
BUFFALO BAYOU AT SH 6	11364	1014	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8072500
GREENS BAYOU AT TIDWELL ROAD IN HARRIS CO	11369	1016	10	12	HG	HH	RT		9	9		9	4	4		
GREENS BAYOU IMMEDIATELY DOWNSTREAM OF MT HOUSTON PARKWAY	11370	1016	10	12	HG	HH	RT		9	9		9	4	4		
GREENS BAYOU AT US 59 NORTH OF HOUSTON	11371	1016	10	12	HG	HH	RT		9	9	9	9	4	4		

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GREENS BAYOU AT WEST GREENS PARKWAY	11376	1016	10	12	HG	HH	RT		9	9		9	4	4		
WHITEOAK BAYOU AT NORTH SHEPHERD STREET IN HOUSTON	11389	1017	10	12	HG	HH	RT		9	9		9	4	4		This site replaced site 15827
WHITEOAK BAYOU AT NORTH HOUSTON ROSSLYN ROAD	11394	1017	10	12	HG	HH	RT		9	9		9	4	4		
WHITEOAK BAYOU IMMEDIATELY DOWNSTREAM OF TAHOE DRIVE	11396	1017	10	12	HG	HH	RT		9	9		9	4	4		
ARMAND BAYOU AT GENOA-RED BLUFF RD NE OF ELLINGTON AFB	11404	1113A	11	12	HG	HH	RT		9	9		9		4		
ARMAND BAYOU AT FAIRMONT PARKWAY ALONG MEDIAN AT MIDPOINT BETWEEN BRIDGES	11405	1113A	11	12	HG	HH	RT		9	9		9		4		Added in FY2011 because dropped site 11409
ARMAND BAYOU TIDAL AT BAY AREA BLVD NORTH OF NASA AT MIDDLE OF MEDIAN BETWEEN 2 BRIDGES EASTERN SHORE	11503	1113	11	12	HG	HH	RT		9	9		9		4		
GREENS BAYOU 184 METERS DOWNSTREAM OF KNOBCREST DRIVE	13778	1016	10	12	HG	HH	RT		9	9	9	9	4	4		Gage 8075900
LITTLE CYPRESS CREEK IMMEDIATELY DOWNSTREAM OF KLUGE ROAD IN HOUSTON	14159	1009E	10	12	HG	HH	RT		9	9		9		4		
WHITEOAK BAYOU IMMEDIATELY DOWNSTREAM OF WEST 43RD STREET IN NORTHWEST HOUSTON	15829	1017	10	12	HG	HH	RT		9	9		9	4	4		
WHITEOAK BAYOU AT WEST TIDWELL ROAD IN NORTHWEST HOUSTON	15831	1017	10	12	HG	HH	RT		9	9		9	4	4		
BUFFALO BAYOU TIDAL IMMEDIATELY UPSTREAM OF JENSEN DRIVE IN HOUSTON	15841	1007	10	12	HG	HH	RT		9	9		9		4		
BUFFALO BAYOU TIDAL AT SABINE STREET NORTH OF ALLEN	15843	1013	10	12	HG	HH	RT		9	9		9		4		
BUFFALO BAYOU AT CHIMNEY ROCK ROAD IN HOUSTON	15845	1014	10	12	HG	HH	RT		9	9		9	4	4		
BUFFALO BAYOU IMMEDIATELY DOWNSTREAM OF BRIAR FOREST DRIVE IN WEST HOUSTON	15846	1014	10	12	HG	HH	RT		9	9		9	4	4		

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TURKEY CREEK IMMEDIATELY DOWNSTREAM OF MEMORIAL DRIVE IN WEST HOUSTON	15847	1014K	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU IMMEDIATELY DOWNSTREAM OF SH 6 IN WEST HOUSTON	15848	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU AT DAIRY ASHFORD STREET IN WEST HOUSTON	15850	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU AT WILCREST DRIVE IN WEST HOUSTON	15851	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU IMMEDIATELY DOWNSTREAM OF BEECHNUT STREET IN WEST HOUSTON	15852	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU IMMEDIATELY DOWNSTREAM OF HILLCROFT STREET IN WEST HOUSTON	15853	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU IMMEDIATELY DOWNSTREAM OF SOUTH RICE AVENUE IN WEST HOUSTON	15854	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU IMMEDIATELY DOWNSTREAM OF STELLA LINK ROAD IN HOUSTON	15855	1007B	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU AT GREENBRIAR STREET IN SOUTHWEST HOUSTON	15859	1007B	10	12	HG	HH	RT		9	9	9	9		4		Gage 8075000
HALLS BAYOU AT HOMESTEAD ROAD IN NORTHEAST HOUSTON	15862	1006D	10	12	HG	HH	RT		9	9		9		4		
HALLS BAYOU AT HIRSCH RD IN NORTHEAST HOUSTON	15863	1006D	10	12	HG	HH	RT		9	9		9		4		
HALLS BAYOU AT MESA DR IN NORTHEAST HOUSTON	15864	1006D	10	12	HG	HH	RT		9	9		9		4		
HUNTING BAYOU AT JENSEN DRIVE IN NORTHEAST HOUSTON	15867	1007R	10	12	HG	HH	RT		9	9		9		4		
HUNTING BAYOU AT CAVALCADE ST IN NORTHEAST HOUSTON	15869	1007R	10	12	HG	HH	RT		9	9		9		4		
HUNTING BAYOU AT LOCKWOOD DRIVE IN NORTHEAST HOUSTON	15873	1007R	10	12	HG	HH	RT		9	9		9		4		

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SIMS BAYOU IMMEDIATELY DOWNSTREAM OF ALMEDA ROAD IN SOUTH HOUSTON	15876	1007D	10	12	HG	HH	RT		9	9		9		4		
SIMS BAYOU AT MARTIN LUTHER KING JUNIOR BOULEVARD IN SOUTH HOUSTON	15877	1007D	10	12	HG	HH	RT		9	9	9	9		4		Gage 8075470
SIMS BAYOU AT SWALLOW STREET IN SOUTHEAST HOUSTON	15878	1007D	10	12	HG	HH	RT		9	9		9		4		
BRAYS BAYOU AT SOUTH WAYSIDE DRIVE 802 METERS UPSTREAM OF IH 45 IN SOUTHEAST HOUSTON	16479	1007B	10	12	HG	HH	RT		9	9		9		4		
GARNERS BAYOU IMMEDIATELY UPSTREAM OF OLD HUMBLE ROAD AT CONFLUENCE WITH RIENHARDT BAYOU IN NORTHEAST HOUSTON	16589	1016A	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF GREENS BAYOU AT MESA DR/E. HOUSTON-DYERSDALE ROAD IN NORTHEAST HOUSTON	16590	1016B	10	12	HG	HH	RT		9	9		9		4		
SPRING BRANCH CREEK IMMEDIATELY UPSTREAM OF WIRT ROAD 331 METERS DOWNSTREAM OF IH 10 IN WEST HOUSTON	16592	10140	10	12	HG	HH	RT		9	9		9		4		
COLE CREEK IMMEDIATELY UPSTREAM OF BOLIVIA BLVD 792 METERS UPSTREAM OF CONFLUENCE WITH WHITEOAK BAYOU IN NW HOUSTON	16593	1017B	10	12	HG	HH	RT		9	9		9		4		
BRICKHOUSE GULLY AT US 290 IN NORTHWEST HOUSTON 2.03 KM UPSTREAM OF CONFLUENCE WITH WHITEOAK BAYOU	16594	1017A	10	12	HG	HH	RT		9	9	9	9		4		Gage 8074250
UNNAMED TRIBUTARY OF WHITE OAK BAYOU AT US290 INTERSECTION AT MANGUM ROAD IN NORTHWEST HOUSTON	16595	1017D	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF WHITE OAK BAYOU AT W 14TH IN WEST HOUSTON 516 METERS UPSTREAM OF CONFLUENCE WITH WHITE OAK BAYOU	16596	1017E	10	12	HG	HH	RT		9	9		9		4		

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NEWMAN BRANCH / NEIMANS BAYOU AT MEMORIAL DRIVE IN WEST HOUSTON	16597	1014M	10	12	HG	HH	RT		9	9		9		4		
LITTLE WHITE OAK BAYOU AT WHITE OAK DRIVE IN NORTH HOUSTON	16648	1013A	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF BUFFALO BAYOU AT CLINTON DRIVE IN CENTRAL HOUSTON	16649	1007O	10	12	HG	HH	RT		9	9		9		4		
COUNTRY CLUB BAYOU/TRIBUTARY OF BRAYS BAYOU IMMEDIATELY UPSTREAM OF SOUTH WAYSIDE DRIVE/US90A IN CENTRAL HOUSTON	16650	1007K	10	12	HG	HH	RT		9	9		9		4		
COUNTRY CLUB BAYOU/TRIBUTARY OF BRAYS BAYOU AT HUGHES STREET IN CENTRAL HOUSTON	16651	1007K	10	12	HG	HH	RT		9	9		9		4		
WILLOW WATERHOLE AT MCDERMED DRIVE IN SOUTHWEST HOUSTON	16652	1007E	10	12	HG	HH	RT		9	9		9		4		
KUHLMAN GULLY/TRIBUTARY OF BRAYS BAYOU AT BROCK STREET 311 METERS UPSTREAM OF WHEELER STREET IN SOUTHEAST CENTRAL HOUSTON	16653	1007G	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF BRAYS BAYOU AT DUMFRIES DRIVE IN SOUTH WEST HOUSTON	16654	1007L	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF SIMS BAYOU AT DULCIMER STREET IN SOUTH HOUSTON	16655	1007N	10	12	HG	HH	RT		9	9		9		4		
SIMS BAYOU SOUTH BRANCH AT TIFFANY DRIVE IN SOUTH HOUSTON	16656	1007D	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF HUNTING BAYOU IMMEDIATELY UPSTREAM OF JOHN RALSTON ROAD IN EAST HOUSTON	16657	1007M	10	12	HG	HH	RT		9	9		9		4		
PLUM CREEK/TRIBUTARY OF SIMS BAYOU AT OLD GALVESTON ROAD IN SOUTH EAST HOUSTON	16658	1007I	10	12	HG	HH	RT		9	9		9		4		
PINE GULLY/TRIBUTARY OF SIMS BAYOU AT OLD GALVESTON ROAD IN SOUTH EAST HOUSTON	16659	1007H	10	12	HG	HH	RT		9	9		9		4		

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BERRY BAYOU/TRIBUTARY OF SIMS BAYOU IMMEDIATELY UPSTREAM OF AHRENS DRIVE IN SOUTH EAST HOUSTON	16660	1007	10	12	HG	HH	RT		9	9		9		4		
BERRY BAYOU IMMEDIATELY UPSTREAM OF SOUTH RICHEY STREET IN SOUTH EAST HOUSTON	16661	1007F	10	12	HG	HH	RT		9	9		9		4		between gages 8075650 & 8075605
BIG GULCH AT WALLISVILLE ROAD IN EAST HOUSTON	16662	1006F	10	12	HG	HH	RT		9	9		9		4		
SPRING GULLY AT WEST TERMINUS OF BARNESWORTH DRIVE IN NORTHEAST HOUSTON	16663	1006H	10	12	HG	HH	RT		9	9		9		4		
GOODYEAR CREEK TIDAL IMMEDIATELY UPSTREAM OF IH 10 IN EAST HOUSTON	16664	1006	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF HALLS BAYOU IMMEDIATELY DOWNSTREAM OF LANGLEY ROAD IN NORTH HOUSTON	16665	1006J	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF HALLS BAYOU AT TALTON STREET IN NORTH EAST HOUSTON	16666	1006I	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF HALLS BAYOU AT WOODLYN ROAD IN NORTH EAST HOUSTON	16667	1006I	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIB OF BUFFALO BAYOU AT GLENWOOD CEMETARY RD 160 M W OF INTERSECT OF LUBBOCK ST AND SAWYER ST IN CENTRAL HOUSTON /INACTIVE	16675	1013C	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF GREENS BAYOU AT SMITH RD IN NORTHEAST HOUSTON	16676	1016D	10	12	HG	HH	RT		9	9		9		4		
SPRING GULLY AT SPRING CREEK OAKS DRIVE IN TOMBALL	17481	1009D	10	12	HG	HH	RT		9	9		9		4		
LANGHAM CREEK AT SH 6 IN NORTHWEST HOUSTON	17482	1014E	10	12	HG	HH	RT		9	9	9	9		4		Gage 8072760 (0.15 mi upstream of site)
TURKEY CREEK IMMEDIATELY SOUTHEAST OF TANNER ROAD AND NORTH ELDRIDGE PARKWAY INTERSECTION IN HOUSTON	17483	1014K	10	12	HG	HH	RT		9	9		9		4		
BEAR CREEK AT OLD GREENHOUSE ROAD WEST OF HOUSTON	17484	1014A	10	12	HG	HH	RT		9	9		9		4		

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UNNAMED TRIBUTARY OF HORSEPEN BAYOU TIDAL AT PENN HILLS	17485	1113C	11	12	HG	HH	RT		9	9		9		4		
BIG ISLAND SLOUGH AT HILLRIDGE ROAD IN SOUTHEAST HOUSTON	17486	1113E	11	12	HG	HH	RT		9	9		9		4		
WILLOW SPRING AT BANDRIDGE ROAD IN SOUTHEAST HOUSTON	17487	1113D	11	12	HG	HH	RT		9	9		9		4		
SPRING CREEK IMMEDIATELY DOWNSTREAM OF KUYKENDAHL ROAD NORTHEAST OF HOUSTON	17489	1008	10	12	HG	HH	RT		9	9		9	4	4		
HALLS BAYOU AT AIRLINE ROAD IN NORTH HOUSTON	17490	1016D	10	12	HG	HH	RT		9	9		9		4		
HALLS BAYOU AT DEER TRAIL DRIVE IN NORTH HOUSTON	17491	1006D	10	12	HG	HH	RT		9	9	9	9		4		Gage 8076200
BUFFALO BAYOU AT SOUTH MASON ROAD WEST OF HOUSTON	17492	1014B	10	12	HG	HH	RT		9	9		9		4		
SOUTH MAYDE CREEK AT DULANEY ROAD WEST OF HOUSTON	17493	1014H	10	12	HG	HH	RT		9	9	9	9		4		Gage 8072700
MASON CREEK 151 METERS DOWNSTREAM OF PARK PINE	17494	1014L	10	12	HG	HH	RT		9	9		9		4		
GREENS BAYOU IMMEDIATELY UPSTREAM OF MILLS ROAD WEST OF HOUSTON	17495	1016	10	12	HG	HH	RT		9	9		9	4	4		
FAULKEY GULLY OF CYPRESS CREEK 105 METERS DOWNSTREAM OF LAKEWOOD FOREST DRIVE NORTHWEST OF HOUSTON	17496	1009C	10	12	HG	HH	RT		9	9		9		4		
SIMS BAYOU UPSTREAM TIDAL AT SOUTH POST OAK ROAD IN SOUTHWEST HOUSTON	17976	1007D	10	12	HG	HH	RT		9	9		9		4		
UNNAMED TRIBUTARY OF HUNTING BAYOU AT MINDEN STREET APPROXIMATELY 0.3 KM EAST OF LOCKWOOD AND S OF N 610 LOOP EAST	18689	1007V	10	12	HG	HH	RT		9	9		9		4		
BINTLIFF DITCH TRIBUTARY OF BRAYS BAYOU UNDER CENTER OF BISSONNET ST BRIDGE 317 M NE OF BISSONNET AT FONDREN RD IN SW HOUSTON	18690	1007T	10	12	HG	HH	RT		9	9		9		4		

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MIMOSA DITCH TRIBUTARY OF BRAYS BAYOU AT NEWCASTLE DR IN SOUTHWEST HOUSTON	18691	1007U	10	12	HG	HH	RT		9	9		9		4		
POOR FARM DITCH TRIBUTARY OF BRAYS BAYOU AT EASTBOUND NORTH BRAESWOOD BLVD APPROX 200 M E OF BUFFALO SPEEDWAY IN SW HOUSTON	18692	1007S	10	12	HG	HH	RT		9	9		9		4		
KEEGAN'S BAYOU AT SYNOTT ROAD 1.1 KM SOUTH OF THE INTERSECTION OF SYNOTT ROAD AND BISSONET STREET IN SOUTHWEST HOUSTON	20211	1007C	10	12	HG	HH	RT		9	9		9		4		
BUFFALO BAYOU NORTH SHORE IMMEDIATELY UNDERNEATH THE SOUTHBOUND FEEDER ROAD BRIDGE OF IH 610 WEST IN HOUSTON	20212	1014	10	12	HG	HH	RT		9	9		9	4	4		
WILLOW CREEK AT TUWA ROAD APPROXIMATELY 859 METERS DOWNSTREAM OF FM 2920 ROAD IN NORTHERN HARRIS COUNTY	20730	1008H	10	12	HG	HH	RT		9	9		9		4		
GREENS BAYOU AT WALLISVILLE ROAD APPROX 150 METERS NORTHEAST OF THE INTERSECTION OF DATTNER ROAD AND WALLISVILLE ROAD IN HOUSTON	21008	1006	10	12	HG	HH	RT		9	9		9		4		This site replaced 11277 in FY2012 due to safety issues.
GARNERS BAYOU AT NORTH SAM HOUSTON PARKWAY/SH LOOP 8 NE OF HOUSTON	11125	1016A	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
HALLS BAYOU AT JENSEN DRIVE IN HOUSTON	11126	1006D	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
HUNTING BAYOU AT NORTH LOOP EAST/IH 610 IN HOUSTON	11129	1007R	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
SIMS BAYOU AT TELEPHONE ROAD/SH 35 IN HOUSTON	11132	1007D	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
SIMS BAYOU AT HIRAM CLARKE RD IN HOUSTON	11135	1007D	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works

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BRAYS BAYOU AT SOUTH MAIN ST IN HOUSTON	11139	1007B	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
BRAYS BAYOU AT SOUTH GESSNER DRIVE IN HOUSTON	11140	1007B	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
CYPRESS CREEK IMMEDIATELY DOWNSTREAM OF GRANT ROAD NEAR CYPRESS	11332	1009	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
BUFFALO BAYOU IMMEDIATELY DOWNSTREAM OF DAIRY ASHFORD ROAD WEST OF HOUSTON	11362	1014	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
GREENS BAYOU AT US 59 NORTH OF HOUSTON	11371	1016	10	12	HG	HP	RT		15		15	15	15	4		Project jointly funded by HCFC and COH-Public Works
LUCE BAYOU/SAN JACINTO RIVER EAST FORK AT HUFFMAN-NEW CANEY ROAD	11187	1002B	10	12	HG	HW	RT		6	6		6	4	4		Monitoring Entity changed from HH to HW in FY2010
LAKE HOUSTON NORTH SIDE OF MISSOURI PACIFIC RAILROAD BRIDGE 137 METERS SOUTH AND 1.36 KM WEST OF INTERSECTION OF PINO LN AND SUNOCO RD	11208	1002	10	12	HG	HW	RT		12	12		12	4	4	4	
LAKE HOUSTON AT FM 1960 WEST END PASS BRIDGE 269 M N AND 731 M E OF INTERSECTION OF ATASCOCITA SHORES AND FM 1960/CITY HO SITE 9	11211	1002	10	12	HG	HW	RT		12	12		12	4	4	4	
LAKE HOUSTON AT FM 1960 EAST END PASS BRIDGE 235 M S AND 950 M WEST OF INTERSECTION OF FM 1960 AND FAIRLAKE LANE/CITY HO SITE 13	11212	1002	10	12	HG	HW	RT		12	12		12	4	4	4	
EAST FORK SAN JACINTO RIVER AT FM 1485	11235	1003	10	12	HG	HW	RT		6	6	6	6	4	4		Gage 8070200
EAST FORK SAN JACINTO RIVER IMMEDIATELY UPSTREAM OF SH 105 WEST OF CLEVELAND	11238	1003	10	12	HG	HW	RT		6	6	6	6	4	4		Site added in FY11 Gage 8070000
WEST FORK SAN JACINTO RIVER IMMEDIATELY UPSTREAM OF SH 242	11243	1004	10	12	HG	HW	RT		6	6		6	4	4		This site ID replaces site ID 16624. Data was moved from 16624 to 11243.

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WEST FORK SAN JACINTO RIVER IMMEDIATELY DOWNSTREAM OF SH 105 NW OF CONROE	11251	1004	10	12	HG	HW	RT		6	6	6	6	4	4		Gage 8067650
SPRING CREEK BRIDGE AT IH 45 20 MILES NORTH OF HOUSTON	11313	1008	10	12	HG	HW	RT		6	6	6	6	4	4		Gage 8068500
CYPRESS CREEK BRIDGE ON IH 45 15 MI NORTH OF HOUSTON	11328	1009	10	12	HG	HW	RT		6	6	6	6	4	4		Gage 8069000
CANEY CREEK IMMEDIATELY DOWNSTREAM OF FM 1485	11334	1010	10	12	HG	HW	RT		6	6		6	4	4		
PEACH CREEK BRIDGE AT FM 2090 IN SPLENDORA	11337	1011	10	12	HG	HW	RT		6	6		6	4	4		This site was substituted for 11336 in FY2012.
CANEY CREEK AT SH 105	14241	1010	10	12	HG	HW	RT		6	6		6	4	4		
LAKE HOUSTON 90 M S AND 349 M W OF INTERSECTION OF MAGNOLIA PT DR AND DIAMOND WAY CANEY CREEK ARM IN HOUSTON	16623	1002	10	12	HG	HW	RT		12	12		12	4	4	4	
PEACH CREEK IMMEDIATELY UPSTREAM OF OLD HWY 105	16625	1011	10	12	HG	HW	RT		6	6		6	4	4		
STEWARTS CREEK 175 METERS DOWNSTREAM OF SH LOOP 336 SOUTHEAST OF CONROE	16626	1004E	10	12	HG	HW	RT		6	6		6	4	4		
CRYSTAL CREEK AT SH 242 SOUTHEAST OF CONROE	16635	1004D	10	12	HG	HW	RT		6	6		6	4	4		Replaces site 11181 Crystal Creek at FM1314
LK HOUSTON W OF LK SHADOWS SUBDIVISION MID LAKE NW OF HOUSTON 2.09 KM N AND 1.38 KM E OF INTERSECT OF LK HOUSTON PKWY AND DITE CAYLIN	16668	1002	10	12	HG	HW	RT		12	12		12	4	4	4	
LAKE HOUSTON IN THE WEST FORK SAN JACINTO RIVER CHANNEL 270 M EAST AND 60 M NORTH OF MISTY COVE AT ATASCOCITA PLACE DR	18667	1002	10	12	HG	HW	RT		12	12		12	4	4	4	
LAKE HOUSTON/LUCE BAYOU 123 M NORTH AND 188 M WEST OF LAKEWATER DR AT WATERWOOD DR IN WATER WONDERLAND SUBDIVISION IN HARRIS COUNTY	18670	1002	10	12	HG	HW	RT		12	12		12	4	4	4	

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LAKE HOUSTON WEST FORK SAN JACINTO RIVER ARM UNDER POWER LINES 567 METERS EAST AND 538 METERS NORTH FROM THE INTERSECTION OF BELLEAU WOOD DRIVE AND SOUTHSORE DRIVE IN HOUSTON	20782	1002	10	12	HG	HW	RT		12	12		12	4	4	4	added site in FY2011 want to know if OSSF community upstream is affecting ambient water quality
LAKE CONROE AT DAM MID CHANNEL 85 M OUT FROM MIDDLE TAINTER GATE 922 M N AND 426 M E OF INTERSECTION OF DAM SITE RD AND SH 105	11342	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE AT FM 1375 IN THE MAIN CHANNEL 4TH PILING FROM THE EAST 541 M SOUTH AND 1.40 KM W OF INTERSECTION OF KAGLE RD AND FM 1375 USGS SITE GC	11344	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE WOODLANDS AT WESTERN REACH 104 METERS NORTH AND 306 METERS E OF INTERSECTION OF LEEWARD CV AND PANTHER CREEK DR IN THE WOODLANDS	16481	1008F	10	12	HG	SJ	RT		12	4		4	4	4		
LAKE WOODLANDS AT SOUTH END 147 METERS NORTH AND 48 METERS EAST WEST EDGE OF DAM IN THE WOODLANDS	16482	1008F	10	12	HG	SJ	RT		12	4		4	4	4	4	
LAKE WOODLANDS AT MID POINT 69 METERS NORTH AND 513 METERS EAST OF INTERSECTION OF N WINDSAIL PL AND SHORELINE PT IN THE WOODLANDS	16483	1008F	10	12	HG	SJ	RT		12	4		4	4	4	4	
LAKE WOODLANDS AT NORTH END 111 METERS DOWNSTREAM OF RESEARCH FOREST DRIVE IN THE WOODLANDS	16484	1008F	10	12	HG	SJ	RT		12	4		4	4	4		
LOWER PANTHER BRANCH 89 M UPSTREAM OF SAWDUST RD APPROX 25 M UPSTREAM OF PERMIT WQ0011401-001 LOCATED AT 2436 SAWDUST ROAD	16627	1008C	10	12	HG	SJ	RT		12	4		4	4	4		

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LOWER PANTHER BRANCH 134 DOWNSTREAM OF SAWDUST RD APPROX 240 M DOWNSTREAM OF PERMIT WQ0011401-001 LOCATED AT 2436 SAWDUST ROAD	16628	1008C	10	12	HG	SJ	RT		12	4	4	4	4	4		
UPPER PANTHER BRANCH APPROX 80 M UPSTREAM OF PERMIT WQ0012597-001 LOCATED AT 5402 RESEARCH FOREST DR	16629	1008B	10	12	HG	SJ	RT		12	4		4	4	4		
UPPER PANTHER BRANCH APPROX 60 M DOWNSTREAM OF PERMIT WQ0012597-001 LOCATED AT 5402 RESEARCH FOREST DR	16630	1008B	10	12	HG	SJ	RT		12	4		4	4	4		
BEAR BRANCH BRIDGE 153 METERS DOWNSTREAM OF RESEARCH FOREST DRIVE	16631	1008E	10	12	HG	SJ	RT		12	4	4	4	4	4		
LAKE CONROE AT APRIL POINT MID CHANNEL 559 M N AND 586 M E OF INTERSECTION OF APRIL POINT PLACE AND APRIL	16638	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE AT SOUTH END OF LAKE ON EAST SIDE 201 METERS SOUTH AND 732 METERS WEST OF INTERSECTION OF S VALLEY DRIVE AND CREST DRIVE	16639	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE S OF BENTWATER ISLAND WEST COVE S OF FM 1097 BRIDGE 769 M N AND 89 M E OF INTERSECTION OF WATERFRONT AND SPRINGTIME DR	16640	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE AT AQUARIUS POINT MID CHANNEL N OF FM 830 BOAT RAMP 437 M N AND 924 M W OF INTERSECT OF FM	16641	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE AT LAKE MID POINT MID CHANNEL AT FM 1097 BRIDGE 57 M S AND 520 M W OF INTERSECTION OF FM 1097 AND BLUEBERRY HILL	16642	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE AT HUNTERS POINT CANEY CREEK ARM E OF SCOTTS RIDGE BOAT RAMP 640 M N AND 558 M E OF INTERSECT OF TEEL RD AND HUNTERS TRL	16643	1012	10	12	HG	SJ	RT		12	12		12		4	4	

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LAKE CONROE AT PARADISE POINT MID CHANNEL 396 METERS S AND 309 M WEST INTERSECTION OF PARADISE VIEW DRIVE AND PARADISE POINT DRIVE	16644	1012	10	12	HG	SJ	RT		12	12		12		4	4	
LAKE CONROE AT MOUTH OF SANDY BRANCH COVE 2.63 KM EAST OF INTERSECTION OF HARDY SMITH ROAD AND F S 218 A	16645	1012	10	12	HG	SJ	RT		12	12		12		4	4	
MOSES BAYOU AT NORTHBOUND SH 146 BRIDGE AT MID-BRIDGE NORTH OF LA MARQUE	11400	2431A	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
HIGHLAND BAYOU AT FAIRWOOD ROAD IN LA MARQUE IN GALVESTON COUNTY	11415	2424A	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
HALLS BAYOU AT FM 2004 SW OF ALTO LOMA	11422	2432C	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
MUSTANG BAYOU AT FM 2917 SOUTH OF ALVIN	11423	2432A	24	12	HG	UI	RT		4	4	4	4	4	4		Added site in FY2012
COWART CREEK AT FM 518 IN FRIENDSWOOD	11425	1102A	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
CEDAR CREEK AT FM 517 W OF DICKINSON	11434	1103E	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
GUM BAYOU AT FM 517 E OF DICKINSON	11436	1103D	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
DICKINSON BAYOU TIDAL AT SH 146 BRIDGE EAST OF DICKINSON	11455	1103	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
DICKINSON BAYOU TIDAL AT IH 45	11462	1103	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
CHOCOLATE BAYOU TIDAL FM 2004 BRIDGE SOUTH OF ALVIN	11478	1107	11	12	HG	UI	RT		4	4		4		4	4	Added chlorophyll a in FY2012; Reduced frequency for FY08
CHOCOLATE BAYOU TIDAL 27 METERS DOWNSTREAM FROM MISSOURI-PACIFIC RAILROAD AT LIVERPOOL	11480	1107	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
WEST BAY OFFAT BAYOU MID BAYOU OPPOSITE LAKE MADELINE CANAL	13322	2424D	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08.
WEST BAY AT RANGE MARKER D BETWEEN SOUTH DEER ISLAND AND TEICHMAN POINT	14622	2424	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08.
OFFATTS BAYOU OFF CM 18	14645	2424D	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08.

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BORDENS GULLEY AT FM517 BRIDGE 0.10MI UPSTREAM OF CONFLUENCE OF DICKINSON BAYOU IN DICKINSON	16469	1103B	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
GEISLER BAYOU AT FM517 BRIDGE 0.19MI UPSTREAM OF DICKINSON BAYOU IN DICKINSON	16470	1103C	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
BENSONS BAYOU ON WAGON RD 0.22 MI SOUTH OF FM 517 IN DICKINSON 0.10 MI UPSTREAM OF DICKINSON BAYOU	16471	1103A	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
MARYS CREEK AT MARYS CROSSING IN NORTH FRIENDSWOOD	16473	1102B	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08 Gage 8077540??
ROBINSONS BAYOU AT FM270 IN LEAGUE CITY	16475	1101D	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
JARBO BAYOU AT FM2094 APPROX 0.3MI DOWNSTREAM OF CLEAR LAKE CONFLUENCE IN KEMAH	16476	2425B	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
HIGHLAND BAYOU 80 M NORTHEAST OF SH 6 BRIDGE CENTERPOINT IN BAYOU VISTA WEST OF IH 45 IN GALVESTON COUNTY	16488	2424A	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08.
MARCHAND BAYOU TIDAL AT FM519 IN HITCHCOCK	16490	2424C	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08.
HIGHLAND BAYOU AT FM 2004 IN HITCHCOCK IN GALVESTON COUNTY	16491	2424A	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
CHIGGER CREEK AT FM528 BRIDGE IN FRIENDSWOOD	16493	1101B	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
MOSES LAKE FLOOD GATES AT GALVESTON BAY CONFLUENCE AT SHELL ISLAND	16551	2431	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08
LAKE MADELINE AT CORNER OF BELUCHE DRIVE AND DOMINIQUE DRIVE IN GALVESTON	16564	2424B	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08
CLEAR CREEK TIDAL AT BROOKDALE DR APPROX 0.1MI DOWNSTREAM OF GRISSOM RD IN COUNTRYSIDE PARK IN CANOE LAUNCHING AREA IN LEAGUE CITY	16576	1101	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08

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MAGNOLIA CREEK APPROX 600M UPSTREAM OF FM518 LEAGUE CITY 30M UPSTREAM OF WWTP PERMIT WQ0010568-003	16611	1101A	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
HICKORY SLOUGH AT ROBINSON DRIVE IN PEARLAND	17068	1102C	11	12	HG	UI	RT		4	4	4	4	4	4		site added to UI schedule in FY2012
CHOCOLATE BAY 600 M SOUTH OF CHANNEL MARKER 9 1.2 KM EAST OF WHARTON BAYOU	17085	2432	24	12	HG	UI	RT		4	4		4		4	4	this site replaces site 13346
CHOCOLATE BAY 200 M NORTHWEST OF HORSE GROVE POINT	17086	2432	24	12	HG	UI	RT		4	4		4		4	4	this site replaces site 13347
MOSES BAYOU AT SH 3 IN TEXAS CITY	17910	2431A	24	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
NEW BAYOU AT FM 2004 S/SW OF HITCHCOCK	17911	2432E	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
PERSIMMON BAYOU AT FM 2004 S/SW OF HITCHCOCK	17913	2432D	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
COW BAYOU AT NASA ROAD 1 IN WEBSTER 100 M EAST OF FM 270/EL CAMINO REAL	17928	1101C	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
AUSTIN BAYOU AT FM 2004 APPROXIMATELY 4 MILES SOUTHEAST OF ANGLETON TEXAS IN BRAZORIA COUNTY	18048	1105C	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
BASTROP BAYOU OFF BAYOU WOOD DR DUE EAST OF BRAZORIA CR 201 AT BASTROP BAYOU DR APPROX 1.1 KM UPSTREAM OF SH 288B IN RICHWOOD VILLAGE	18502	1105	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
BASTROP BAYOU TIDAL APPROXIMATELY 15 M OFF NORTH BANK AND 1.55 KM UPSTREAM OF FM 2004 IN RICHWOOD VILLAGE	18503	1105	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
BASTROP BAYOU TIDAL MID CHANNEL AT NORTH END OF BASTROP BEACH ROAD 350 M DOWNSTREAM OF FM 523 SE OF ANGLETON	18504	1105	11	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
BASTROP BAYOU TIDAL 38 M NORTH OF N END OF COMPASS DR/BRAZORIA CR 504 APPROXIMATELY 4.4 KM DOWNSTREAM OF FM 523 SE OF ANGLETON	18505	1105	11	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08

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AUSTIN BAYOU IMMEDIATELY UPSTREAM OF DANBURY-ANGLETON ROAD/BRAZORIA CR 210 EAST OF DANBURY	18506	1105C	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
AUSTIN BAYOU MID CHANNEL 189 M UPSTREAM OF CONFLUENCE WITH BASTROP BAYOU TIDAL UPSTREAM OF CR 227 IN BRAZORIA COUNTY	18507	1105B	11	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08
FLORES BAYOU IMMEDIATELY UPSTREAM OF DANBURY-ANGLETON ROAD/BRAZORIA CR 210 EAST OF ANGLETON	18508	1105A	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
BRUSHY BAYOU IMMEDIATELY UPSTREAM OF BRAZORIA CR 210 EAST OF ANGLETON	18509	1105D	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
MUSTANG BAYOU IMMEDIATELY UPSTREAM OF EAST SOUTH STREET 85 METERS WEST OF SOUTHBOUND SH 35 IN ALVIN USGS ID 8077890	18554	2432A	24	12	HG	UI	RT		4	4	4	4	4	4		site added in FY2012
UNNAMED TRIBUTARY OF CLEAR CREEK TIDAL IN FOREST PARK CEMETERY IMMEDIATELY UPSTREAM OF S FEEDER RD OF I 45/GULF FWY S OF NASA RD 1 IN WEBSTER	18591	1101F	11	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
UNNAMED TRIBUTARY OF MOSES LAKE AT STATE LOOP 197/25TH AVE NORTH 432 M EAST OF NORTHBOUND SH 146 IN TEXAS CITY	18592	2431	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
HIGHLAND BAYOU DIVERSION CANAL MID CHANNEL AT SECOND STREET BRIDGE 467 M UPSTREAM OF PRICE ROAD WWTP RELEASE IN HITCHCOCK	18593	2424G	24	12	HG	UI	RT		4	4		4		4		Reduced frequency for FY08
WILLOW BAYOU AT BAKER ST 404 M UPSTREAM OF FM 2004 SOUTH OF SANTA FE IN GALVESTON COUNTY	18668	2432B	24	12	HG	UI	RT		4	4	4	4	4	4		Reduced frequency for FY08
ENGLISH BAYOU MID BAYOU 250 M EAST AND 83 M SOUTH OF 61ST ST BRIDGE CENTERPOINT IN GALVESTON	18695	2424E	24	12	HG	UI	RT		4	4		4		4	4	Reduced frequency for FY08
CLEAR CREEK ABOVE TIDAL AT YOST ROAD TERMINUS IN PEARLAND IN BRAZORIA COUNTY	20010	1102	11	12	HG	UI	RT		4	4	4	4	4	4		site added to UI schedule in FY2012

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BORDENS GULLY AT SPRUCE DRIVE IN DICKINSON	20724	1103B	11	12	HG	UI	RT		4	4	4	4	4	4		replaces temp id HG-188 collect for 2 years then compare results against 16469
GEISLER BAYOU AT SUNSET DRIVE 49 METERS SOUTH AND 80 METERS WEST FROM THE INTERSECTION OF SUNSET DRIVE AND WILMINGTON DRIVE IN DICKINSON	20726	1103C	11	12	HG	UI	RT		4	4		4		4		replaces temp id HG-189 collect for 2 years then compare results against 16470
BENSONS BAYOU AT SUNSET DRIVE IN DICKINSON	20727	1103A	11	12	HG	UI	RT		4	4		4		4		replaces temp id HG-190 collect for 2 years then compare results against 16471
UNNAMED TRIBUTARY OF GUM BAYOU AT OWENS DRIVE 1.51 KILOMETERS UPSTREAM OF CONFLUENCE WITH GUM BAYOU IN DICKINSON	20728	1103D	11	12	HG	UI	RT		4	4	4	4	4	4		replaces temp id HG-191 this site was added after site 11446 was dropped for being a duplicate with WCFO