

**Houston-Galveston Area Council
FY2018-2021 Clean Rivers Program
Contract No. 582-18-80290
Progress Report**

FY 2020 - Quarter 4: Covering May 31, 2020 through August 31, 2020

Deliverable		Due Date	Deliverable Status Date Submitted	Quarterly Activity And Summary
Task 1	Administration			
	General Information			
		12/15/19	12/15/19	Mike Shumard has joined the water resources group to help with CRP monitoring. Raman Bakari left H-GAC. Marivic Keenan has taken over the duties of working on the CRP invoice for the time-being.
		3/15/20	3/15/20	Received resignation notice from Mike Shumard. H-GAC is working on posting the position.
		6/15/20	6/8/20	Daniel Albanese was hired to take Mike Shumard's vacant position. His first day at work was set for Monday, 6/8/20. In March 2020, Treebie Vasquez took over as the new accountant in finance that will be processing all CRP invoices to TCEQ.
		9/15/20	9/15/20	<i>Daniel Albanese did start at H-GAC on 6/8/20 and has been through training at the EIH 6/30/20 training class and been working with Kendall Guidroz in the field while maintaining COVID response protocol implemented by H-GAC.</i>
		12/15/20		
		3/15/21		
		6/15/21		
		8/31/21		
1A	Progress Reports			
		12/15/19	12/15/19	The 8 th Quarter of FY19 progress report was sent to TCEQ via e-mail on 8/30/19.
		3/15/20	3/15/20	The 1 st Quarter of FY20 progress report was sent to TCEQ via e-mail on 12/13/19.
		6/15/20	6/12/20	The 2 nd Quarter of FY20 progress report was sent to TCEQ via e-mail on 3/15/20.
		9/15/20	9/15/20	<i>The 3rd Quarter FY2020 progress report was sent to TCEQ via e-mail on 6/12/20.</i>
		12/15/20		
		3/15/21		
		6/15/21		

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		8/31/21		
1Ai	Reimbursement Forms			
		12/15/19	12/15/19	The FY19-Q4 voucher was sent to TCEQ on 09/30/19.
		3/15/20	3/15/20	The FY20-Q1 voucher was sent to TCEQ on 12/27/19.
		6/15/20	6/12/20	The FY20-Q2 voucher was sent to TCEQ on 4/1/20. This was Treebie's first invoice (voucher) submission for Clean Rivers.
		9/15/20	9/15/20	<i>The FY20-Q3 voucher was sent to TCEQ on 6/30/20.</i>
		12/15/20		
		3/15/21		
		6/15/21		
		8/31/21		
1B	Annual Self Evaluation	8/31/20	9/15/20	<i>The H-GAC self-evaluation was submitted on 8/31/20.</i>
		8/31/21		
1B	Annual Subcontract Evaluations	8/31/20	9/15/20	<i>H-GAC submitted the annual evaluations for HHD, EIH, TRIES, and Eastex Lab were submitted on 8/31/20.</i>
		8/31/21		
1C	Procurement Procedures Documentation – upon execution of the subcontracts	As Needed		
1F	Participation at CRP Planning Meetings	As Needed	9/15/20	<i>The pre-planning meeting for the 2021 Basin Summary Report was the only pre-planning meeting conducted during this quarter. There were no general CRP meetings conducted during this quarter.</i>
1D	Submission of documents for Site Visit or Desk Review	Upon Request		
1H	Attendance at Training Events	As Needed	12/15/19	10/21--10/23 – Casillas, Guidroz, and Wright attended the 3 rd Annual SWQM Workshop held at the Mayan Ranch, Bandera, TX.
1I	Financial Audit Letter	Within 270 days of end of H-GAC fiscal year		

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Task 2	Quality Assurance			
2A	Laboratory/NELAP updates	12/15/19	12/15/19	H-GAC prepared a check in the amount of \$1,265 for COH Drinking Water Operations 2020 NELAP accreditation fees in November 2019. It was received by Shubha Thakur at COH DWO on 12/4/19.
		3/15/20	3/15/20	A Purchase Order (PO-20-EN-21) for the purchase of April and October 2020 proficiency test samples for CRP partner laboratories, in the amount \$3162 was submitted to NSI Lab Solutions, Inc. on 01/20/2020
		6/15/20	6/12/20	No activity during the 3rd quarter.
		9/15/20	9/15/20	<i>No activity during the 4th quarter.</i>
		12/15/20		
		3/15/21		
		6/15/21		
		8/31/21		
2A	Basin Wide QAPP Receipt and Commitment Letters	10/15/19	9/19/19	The FY20-21 QAPP was officially executed on 9/16/19. Hard copies of the entire QAPP less all signature pages, including the map, were passed out at the Regional Monitoring Workgroup meeting on 9/10/19. Partners signed a form indicating they had received the hard copy. These letters are not required because all partners sign the QAPP. Electronic copies of the QAPP which included signature pages were distributed immediately after approval back on 9/19/19. Each partner responded by acknowledging the got the e-mail and attachment.
2A	Draft FY 2022-23 Basin-wide QAPP	6/15/21		
2A	Final FY 2022-23 Basin-wide QAPP	8/15/21		
2B	Specified Sections of the Regional QAPP posted to the Web	10/31/19	11/4/19	Electronic copy of document was divided and posted to the website along with moving the last QAPP.
2C	Draft QAPP Appendix B amendment for FY2021 Monitoring	6/15/20	6/15/20	<i>The draft QAPP Appendix B (Amendment 2) was submitted to TCEQ on 6/15/20.</i>
2D	Final QAPP Appendix B amendment for FY2021 Monitoring	8/15/20	8/14/20	<i>The final QAPP Appendix B (Amendment 2) was submitted to TCEQ on 8/14/20. TCEQ asked for a couple of changes to be made and the final document was sent out for approval</i>

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2E	Planning meeting for special studies or permit support monitoring -- (90 days prior to the planned sampling date)	As Needed	8/21/19	A planning meeting was held at H-GAC to discuss details of the proposed Targeted Monitoring Project along with the extra funding for EIH to conduct flow monitoring on Oyster Creek.
2F	Planning meeting notes for special studies or permit support monitoring	Within two weeks of meeting	10/9/19	The meeting notes were sent in late because Wright had to choose which deliverable was the most important to be completed between the meeting date and early October. This was discussed with TCEQ PM who helped Wright put things in order of preference.
2G	QAPP Appendices for special studies	As Needed, within 30 days of planning meeting	3/15/20	Draft 1 of Appendix J to Multi-Basin QAPP – Targeted Monitoring Special Project – was submitted 11/11/19. TCEQ PM read the draft and asked H-GAC to resubmit a draft AFTER choosing the segments that would be targeted for the special monitoring. This would make references to sites and actual maps in the QAPP appendix specific to the upcoming work. H-GAC's PM wanted to get input from other monitoring partners and stakeholders, so this topic was added to the agenda for the 12/12/19 Regional Monitoring Workgroup meeting. Based upon the discussion and input from the meeting, H-GAC re-wrote portions of Appendix J and submitted Draft 2 on 1/20/20. Comments were received back from TCEQ on 2/24/20. H-GAC is working through the comments.
			7/2/20	<i>Draft 3 of Appendix J to the Multi-Basin QAPP – Targeted Monitoring Special Project – was submitted on 7/2/20 with the final draft being sent 7/13/20.</i>
			9/15/20	<i>TCEQ returned comments to H-GAC on 9/10/20. H-GAC returned the final document to TCEQ on 9/13/20.</i>
2H	QAPP Amendments & Revisions to Appendices	As needed, if applicable	1/20/20	QAPP Amendment (Appendix J) was submitted to TCEQ on 1/20/20. Initial comments were received from TCEQ on 3/4/20. Comments are being address.
			2/12/20	QAPP Amendment 1 (draft 1) was submitted 2/12/20, with comments returned from TCEQ on 3/2/20.
			6/16/20 7/23/20 8/14/20	<i>QAPP Amendment 1 draft 2 was re-submitted to TCEQ on 6/16/20 with TCEQ comments back on 7/16/20. Draft 3 was submitted 7/23/20 with comments back to H-GAC on 8/12/20. The final draft 4 was submitted on 8/14/20 for final review and signatures completed on 8/18/20.</i>

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2I	QAPP Appendix and Amendment QAPP receipt and commitment letters	As needed, if applicable		
2J	Participate in TCEQ Monitoring Systems Audit and Respond to Comments	As Needed		
2K	Conduct on-site oversight assessments of sub-participants once during each project or once during the contact cycle	Once During Contract - before 8/1/21	11/19/19	Wright asked SJRA to conduct an in-house training class for their staff members who help conduct water quality monitoring with him. Wright sat in on the class to learn how and what Simpson was teaching. H-GAC's Mike Shumard and Rachel Windham also attended the class to get training. While the class was 'okay,' the class was the impetus to look into setting up a training class taught by UHCL-EIH for all CRP partners.
			11/22/19	Wright conducted an on-site field audit and data processing audit on the TRIES water monitoring program. The report is still being finalized and will be sent to TCEQ as soon as it is finished. There was only one finding and no recommendations identified during the audit. Kaitlen Gary-Hargrave will be leaving the monitoring program but she is still working with her replacement to make sure the transition is smooth. She was present for the audit and did not answer questions for the new employees unless I asked her directly. It was a good audit.
			1/21/20	Wright conducted an on-site field audit of SJRA's The Woodland's run – both land and boat runs. This is the first time any person other than SJRA staff was allowed on the john boat that is used to monitor Lake Woodlands. It was discovered that their metals sampling was not being conducted according to the SWQM Procedures 1 Manual. SJRA CRP staff discussed the issue with their management. They have chosen to stop conducting all metals testing immediately.
			6/12/20	There were no field audits conducted during the 3 rd quarter due to COVID-19.
			9/15/20	<i>There were no field audits conducted during the 4th quarter due to COVID-19.</i>

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2L	On-site Project Assessment Report and Response	With Progress Report before 8/31/21	3/15/20	<p>The final audit report was submitted to TRIES on 12/20/19. TRIES sent their reply on 1/14/20. Their reply was acceptable and this audit is closed. Audit report and response is attached.</p> <p>The final audit report for SJRA – The Woodlands sampling was sent to SJRA on 2/19/20. SJRA sent an initial reply which they said may change so Wright requested they resubmit a final document before 3/19/20. Audit report is attached.</p>
			6/12/20	There were no field audits completed during the 3 rd quarter due to COVID-19.
			9/15/20	<i>There were no field audits conducted during the 4th quarter due to COVID-19.</i>
2M	Corrective Action Report status	With Progress Reports	12/15/19	There is nothing new to report on Corrective Action Reports. Only CRP 17-003 is still pending. Have not finished dealing with all the SJRA issues. Some of the items were asked about on 11/19/19 but will be revisited at next audit set for 1/15/20.
			3/15/20	Wright read through the CAR's on file for SJRA. While SJRA says they have corrected everything, Wright was not able to confirm all was corrected so those CARs will remain open until she makes another trip up to SJRA.
			6/12/20	No action taken on the SJRA CAR's due to remote working and social distancing due to COVID-19.
			9/15/20	<i>No action taken on the SJRA CAR's due to remote working and social distancing due to COVID-19.</i>
2N	Summary of training for local agencies	As needed, if applicable with Progress Reports	2/27/20	H-GAC sponsored a one-day surface water monitoring class at UHCL. The class was taught by staff from EIH and included a morning classroom session and afternoon field exercise. There were 18 attendees from local monitoring partners and lab personnel. Wright audited the class to make sure nothing was missed. The class was a great success and received very high marks in the end of day class evaluation. A sign-in sheet and agenda is attached.
			6/30/20	<i>Training by EIH for HHD, plus other local partners that missed the February training event. A sign-in sheet and agenda is attached.</i>

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Task 3	Water Quality Monitoring			
3A	Conduct Water Quality Monitoring and Summarize Activities	With Progress Reports	12/15/19	<p>The quarterly CRP Regional Monitoring Workgroup meeting was held on Tuesday, 9/10/19, at H-GAC. Verbal reports about local monitoring programs were given. There were no representatives from TRIES or USGS at the meeting. TRIES was undergoing a TCEQ Lab audit. Presentations about the OSSF Supplemental Environmental Project, the GLO Beach Watch challenges, the new Special study for Source Tracking of Bacteria (Targeted Monitoring), and the Monitoring Efficiency Analysis that will be completed over the next couple of years. Meeting summary notes attached.</p> <p>H-GAC set up a training session on 9/13/19 for a Hach Hydrolab technician to work through some issues in regards to calibrating the new HL4 multi-probe sondes. It turned out H-GAC and local partners had identified a flaw in the firmware for the sonde. All local partners use the hand-held surveyor to calibrate and the software would not let all the calibration steps be completed. The only way to calibrate the sondes is to use a laptop. Hach was unaware of the issue until this training class which was set up via Skype so we could see the technician and he could see us and talk back and forth. While walking through the process step-by-step, they agreed there was an error occurring in the firmware. During the class, Hach also asked that we return all hand-held surveyor units that had cracks in the screens. Hach found a flaw in the material used and they were replacing the screens free of charge.</p> <p>During October 2019, H-GAC completed all routine ambient monitoring making the program up-to-date. All sites were monitored and samples collected as planned. The one 24-hr DO sondes was deployed during the quarter as planned and flow monitoring collected at the three stations on the WFSJR in September and October. The month of November was skipped because the 30-days between events could not be completed. The next monitoring event was set for the first week of December. See H-GAC's monitoring tracking sheets attached for complete number of H-GAC's monitoring efforts. Tracking sheets include both ambient monitoring, flow</p>

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				<p>monitoring, and 24-hour DO.</p> <p>EIH collected all samples and completed flow monitoring and maintenance as planned. TRIES attempted to complete all their sampling in October but one site was inaccessible due to bridge construction and flow was missed at another site due to high water. Local partners – DWO, HCPCS, and SJRA continued to conduct regular water quality monitoring as planned and pick up TKN and Chlorophyll a samples as planned. The City of Houston Health Department monitoring frequency was reduced from 9 times per year to six times per year. While scheduling their monitoring events for October and November, one of the long-time field staff members left to take another position within the city. Due to being short-handed, HHD did not collect all samples, nor did they collect all TKN as planned. HHD is currently in the process of trying to lay out a monitoring plan counting on having only one field person available for the next several months. They recognize that they must hire and train the new employee before they will be back to full staff. Tracking sheets for EIH, TRIES, and HHD are also provided for review. See attached tracking sheets for TKN and chlorophyll a sampling and a separate ‘Percent Complete’ report for review.</p>
			3/15/20	<p>The quarterly CRP Regional Monitoring Workgroup meeting was held on Tuesday, 12/10/19, at H-GAC. Verbal reports about monitoring activities were given by representatives from each of the local programs. There was no representative from USGS at the meeting. There was a discussion about the waterways that might be appropriate or suitable for inclusion in the new Targeted Monitoring Special study to be conducted by H-GAC and possible local contractors during FY20-21. The second half of the meeting was devoted to the water quality games used as a refresher for knowing the requirement of the SWQM Procedures 1 Manual. Meeting summary notes attached.</p> <p>During February 2020, H-GAC completed all routine ambient monitoring making the program up-to-date. All sites were monitored and samples collected as planned. The one 24-hr DO sondes was deployed during the</p>

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			<p>quarter as planned and flow monitoring collected at the three stations on the WFSJR all three months of the quarter. See H-GAC's monitoring tracking sheets attached for complete number of H-GAC's monitoring efforts. Tracking sheets include both ambient monitoring, flow monitoring, and 24-hour DO.</p> <p>EIH collected all Task 1 routine samples and field measurements except for pH that was lost on one run due to the sonde probe failing post cal check. EIH successful deployed and monitored 24-hour DO at the two on Oyster Creek. EIH did not complete all flow monitoring and maintenance events as planned. Rather, repeated high water events prevented the crew from conducting the flow monitoring at one site during the month of January 2020. The flow was never considered close to being 'ambient conditions.'</p> <p>TRIES completed all their sampling in January. Flow was not collected at one site because the depth was too deep to wade.</p> <p>The City of Houston Health Department (HHD) completed monitoring all sites between October 2019 and February 2020. While they have trained a couple of substitutes to help with monitoring, a permanent staff member has not been assigned to work with Lisa Leija.</p> <p>Local partners – DWO, HCPCS, and SJRA continued to conduct regular water quality monitoring as planned and pick up TKN and Chlorophyll a samples as planned. Tracking sheets for EIH, TRIES, and HHD are also provided for review. See attached tracking sheets for TKN and chlorophyll a sampling and a separate 'Percent Complete' report for review.</p>
		6/12/20	<p>There was no quarterly CRP Regional Monitoring Workgroup (RMW) meeting held this quarter. The Coordinated Monitoring Meeting was held in lieu of the RMW meeting. See next section. Wright collected local partner information separately to complete the Qtr 2 progress report.</p>

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				<p>During May 2020, H-GAC sampled all but one routine ambient monitoring station due to road construction and in-accessibility. The one 24-hr DO sondes was deployed at Shakey Hollow Rd during the May run as planned. The flow monitoring collected for TCEQ Permitting was not conducted during the month of April due to COVID-19. During the May flow monitoring run, only two of the three stations on the WFSJR & tribs were monitored. A TXDOT road & bridge reconstruction project prevented staff from accessing and measuring the flow at SH 242. See H-GAC's monitoring tracking sheets attached for complete number of H-GAC's monitoring efforts. Tracking sheets include ambient monitoring, flow monitoring, and 24-hour DO.</p> <p>EIH successfully collected all Task 1 routine field measurements and lab samples plus TKN and Chlorophyll a samples as planned. EIH added routine monitoring to both 24-Hr DO sites beginning this quarter because they were not able to install the continuous flow gage at site 11493 west of Rosharon without hiring a structural engineer to draw-up plans and approve attaching equipment to the bridge. This was a new TXDOT requirement. Funds were redirected to ambient monitoring at two sites for the rest of the contract. EIH successful deployed and monitored 24-hour DO at the two sites on Oyster Creek (Task 2). EIH completed all monthly flow monitoring and maintenance events as planned. See EIH's monitoring tracking sheets attached for complete number of EIH's monitoring efforts. Tracking sheets include ambient monitoring, flow monitoring, and 24-hour DO.</p> <p>TRIES completed nine of 10 sampling sites in May. One site was inaccessible due to construction. Flow was collected at all nine sites. See TRIES' monitoring tracking sheet attached for complete details.</p> <p>The City of Houston Health Department (HHD) is undergoing a major restructuring in the water monitoring program. Lisa Leija resigned in mid-May but was able to train one individual to take over all the tasks associated with the H-GAC/HHD contract. The CRP monitoring was moved to a different group in</p>

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				<p>the Environmental Division and eventually the city will have between 8 & 10 trained samplers. Blanca Hinojosa is the new 'Lisa' and Nguyen Ly became the new supervisor. Sonja Lewis is no longer supervising the water monitoring staff. H-GAC has set up a training class with EIH on June 30th to help train other employees. Due to the flux in staff numbers/members and COVID-19, HHD is not completely 'caught up' on their monitoring all sites. They have plans to be caught up before August 31, 2020. See HHD's attached monitoring tracking sheet for the H-GAC paid sites for complete details.</p> <p>Local partners – DWO, HCPCS, and SJRA continued to conduct regular water quality monitoring as planned and pick up TKN and Chlorophyll a samples as planned. Tracking sheets for EIH, TRIES, and HHD are also provided for review. See attached tracking sheets for TKN and chlorophyll a sampling and a separate 'Percent Complete' report for review.</p>
			9/15/20	<p><i>The quarterly CRP Regional Monitoring Workgroup meeting was conducted virtually on Tuesday, 6/9/20, via TEAMS software. Verbal reports about monitoring activities were given by representatives from each of the local programs. There was no representative from USGS at the meeting. Besides discussing the upcoming data delivery and draft QAPP Appendix B, Brian Sims gave a presentation about the 2020 Basin Highlights Report. The second presentation was an update on BIG, Basins 11 & 13, and I-plan Updates given by Steven Johnston. Meeting summary notes attached.</i></p> <p><i>Due to COVID, H-GAC was not able to complete all routine ambient monitoring during this quarter. Two of the sites could not be monitored due to one site being under construction and the other was shallow intermittent pools. All monitoring was finished during early September. The one 24-hr DO sondes was deployed during the quarter as planned. Flow monitoring was collected at two stations on the WFSJR all three months of the quarter and at one station twice during the quarter. See H-GAC's monitoring tracking sheets attached for complete number of H-GAC's monitoring efforts. Tracking sheets include</i></p>

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				<p><i>both ambient monitoring, flow monitoring, and 24-hour DO.</i></p> <p><i>EIH collected all Task 1 routine samples and field measurements. EIH successfully deployed and monitored 24-hour DO at the two on Oyster Creek. EIH completed all flow monitoring and maintenance events as planned.</i></p> <p><i>TRIES completed 8 of their sampling sites in August and the other two sites during early September.</i></p> <p><i>The City of Houston Health Department (HHD) experienced a turnover of staff during the May/June time-period. Not all sites were collected six times during FY2020. They were already behind on monitoring all the sites but still have about 20 sites to be picked up seven times during FY2021. Wright and Hoffman met with both field and lab personnel to help work out a way for the field group to not re-type lab data into the database submitted to H-GAC. The Lab QAO and Data Manager will work with Hinojosa to come up with a text files to export, then import to eliminate time and typographical errors.</i></p> <p><i>Local partners – DWO, HCPCS, and SJRA continued to conduct regular water quality monitoring as planned and pick up TKN and Chlorophyll a samples as planned. Tracking sheets for EIH, TRIES, and HHD are also provided for review. See attached tracking sheets for TKN and chlorophyll a sampling and a separate ‘Percent Complete’ report for review.</i></p>
3C	Coordinated Monitoring Meeting	3/31/20	3/15/20	Besides the annual Coordinated Monitoring Meeting being listed on the 12/10/19 agenda, notices were also sent 1/28/20 and 2/10/20. Additional announcements will be sent in March.
			3/21/20 thru 4/1/20	The CMMtg was broken into several different sessions that were held via Microsoft TEAMS software. Individual partner agencies discussed their programs with H-GAC and TCEQ representatives over the course of three days. Wright and Guidroz spent some time the previous week testing all the partners access so the meetings would run smoothly. All went smoothly and H-GAC

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		4/??/21		has numerous items for follow up with. See Summary Notes attached.
3D	Coordinated Monitoring Meeting Summary of Changes	2 weeks after CM meeting or 4/17/20 Extension	04/17/20	Summary notes for the CMM were sent to TCEQ on 4/17/20 after getting an extension from TCEQ. Comments and questions about some of the information was sent back to H-GAC for resolution and re-write. The updated CMM Summary Packet file is attached.
		2 weeks after CM meeting or 5/??/21		
3E	Email Notification to CRP Manager that statewide CMS update has been completed	5/31/20	5/31/20	Wright submitted an e-mail informing TCEQ that the FY2021 CMS was updated as much as possible. H-GAC may make additional changes over the next month or so if sites are added before the final QAPP Appendix B is due.
		5/31/21		
3E	Special Study Status Reports: Monitoring Efficiencies Study	Quarterly after start of project	12/15/19	Staff met 9/30/20 to identify the project manager(s), discuss the project schedule moving forward, review some project maps created by Casillas and data analysis completed by Hoffman, finish vetting members for the Technical Advisory Group (TAG), and identify additional steps needed as we progress through the project time line. Prior to the first meeting of the TAG for the Monitoring Efficiencies (ME) Study , staff took a closer look at the data analysis to look for sample duplication within all assessment units (AUs), the frequency of data along with quantity and date range of data, plus staff signalized the list of potential members for the TAG. The first ME TAG study meeting was held on 11/13/19. The meeting minutes were sent out to all Technical Advisory Group members along with a questionnaire with all the results consolidated on 4/13/20.
			3/15/20	The 11/13/19 ME study meeting minutes were sent out to all TAG members on 12/2/19. Additionally, additional discussion questions and analysis were shared with members.
			6/12/20	A questionnaire was sent out to all local partners on 3/25/20 to get information about each monitoring partner. The results were collected at the Coordinated Monitoring Meetings from 3/30 through 4/1. Then, a summary of the responses

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				was presented at the Monitoring Efficiencies Study meeting held on 4/7/20. Meeting minutes were sent out to all Technical Advisory Group members along with a questionnaire with all the results consolidated on 4/13/20. The next TAG meeting has not be scheduled as of 5/31/20.
			9/15/20	<i>There were no meetings planned for this quarter.</i>
3E	Special Study Status Reports: Targeted Monitoring Project	Quarterly after start of project	9/15/20	<i>QAPP Appendix J, which addresses this project, was submitted several times during this quarter. With submission of the final draft, TCEQ PM Rodibaugh gave permission to H-GAC to begin the intensive desktop review and windshield survey. However, the waterway investigation with sampling had to wait for the QAPP Appendix approval. Wright made inquiries of EIH and City of Houston regarding contracting to perform work. Only EIH will contract. Houston will help as available but does not want to be committed to deadlines at this time. SJRA has agreed to help with field portion of investigations. They will be part of an H-GAC field team only which as not started yet.</i>
3F	Special Study – Site Characterization – DRAFT Report(s) (IF APPLICABLE)	5/1/21		
3H	Special Study – Site Characterization – FINAL Report(s) (IF APPLICABLE)	8/1/21		
Task 4	Data Management			
4A	Surface Water Quality Monitoring data files, SWQMIS Validator Report and Data Summary Report	12/1/19	11/27/19	<p>SJRA Woodlands data for January-June 2017 were submitted 10/9/19. There were 102 events and 1124 results. Data are under review at TCEQ.</p> <p>SJRA Lake Conroe data for January-June 2017 were submitted 10/9/19. There were 60 events and 951 result. Data are under review at TCEQ.</p> <p>SJRA Woodlands data for October – December 2017 were submitted 10/9/19. There were 54 events and 483 results. Data are under review at TCEQ.</p>

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				<p>SJRA Lake Conroe data for October-December 2017 were submitted on 10/9/19. There were 30 events and 398 results. Data are under review at TCEQ.</p> <p>SJRA Lake Conroe data for January-May 2018 were submitted 10/9/19. There were 50 events and 674 results. Data are under review at TCEQ.</p> <p>SJRA Woodlands data for January-May 2018 were submitted 10/9/19. There were 79 events and 790 results. Data are under review at TCEQ.</p> <p>SJRA Lake Conroe data for June 2018 – May 2019 were submitted on 11/11/19. There were 251 events and 2263 results. Data are under review at TCEQ.</p> <p>SJRA Woodlands data for June 2018-May 2019 were submitted on 11/11/19. There were 201 events and 1907 results. Data are under review at TCEQ.</p> <p>EIH data for the Cypress Creek biological assessment project were submitted 11/11/19. There were 14 events and 422 results. Data are under review at TCEQ.</p> <p>City of Houston DWO data for June-15 September2019 were submitted to TCEQ on 11/19/19. There were 45 events and 1007 results. Data are under review at TCEQ.</p> <p>TRIES data for August 2019 were submitted to TCEQ on 11/11/19. There were 10 events and 225 results. Data are under review at TCEQ.</p> <p>EIH data for June-August 2019 were submitted to TCEQ on 11/11/19. There were 191 events and 2208 results. Data are under review at TCEQ.</p>

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				<p>Harris County PCS data for June-September 15, 2019 were submitted to TCEQ on 11/19/19. There were 208 events and 2189 results. Data are under review at TCEQ.</p> <p>City of Houston HHD data for June and July 2019 were submitted to TCEQ on 11/25/19. There were 266 events and 5564 results. Data are under review at TCEQ.</p> <p>H-GAC ambient and 24-hour DO data for June-August 2019 were submitted to TCEQ on 11/25/19. There were 31 events and 695 results Data are under review at TCEQ.</p> <p>SJRA Woodlands data for June- 15September 2019 were submitted 11/25/19. There were 76 events and 615 results. Data are under review at TCEQ.</p> <p>SJRA Lake Conroe data for June- 15September 2019 were submitted 11/26/19. There were 159 events and 1192 results. Data are under review at TCEQ.</p> <p>City of Houston HHD data for August 2019 were submitted to TCEQ on 12/9/19. There were 132 events and 2706 results. Data are under review at TCEQ.</p>
4A	Surface Water Quality Monitoring data files, SWQMIS Validator Report and Data Summary Report - <i>continued</i>		3/15/20	<p>City of Houston HHD data for October-December 2019 were submitted 2/26/20. There were 133 events and 2722 results. Data are under review at TCEQ.</p> <p>Harris County PCS data for 24 September – December 2019 were submitted 2/20/20. There were 154 events and 2095 results. Data are under review at TCEQ.</p> <p>H-GAC ambient and 24-hour DO data for 24 September 2019 – December 2019 were submitted 2/24/20. There were 31 events and 666 results. Data are under review at TCEQ.</p>

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				<p>City of Houston Drinking Water Operations data for 16 September – December 2019 were submitted 2/24/20. There were 47 events and 1040 results. Data are under review at TCEQ.</p> <p>TRIES data for October 2019 were submitted 2/20/20. There were 9 events and 203 results. Data are under review at TCEQ.</p> <p>EIH data for 19 September – December 2019 were submitted 3/2/20. There were 179 events and 2009 results. Data are under review at TCEQ.</p>
4A	Surface Water Quality Monitoring data files, SWQMIS Validator Report and Data Summary Report - <i>continued</i>		6/12/20	No data was submitted during this quarter.
	Surface Water Quality Monitoring data files, SWQMIS Validator Report and Data Summary Report - <i>continued</i>		9/15/20	<p><i>EIH (UI) data for January-May 2020 were submitted 7/16/20. There were 320 events and 3889 results. Data are under review at TCEQ.</i></p> <p><i>SJRA Woodlands (SJ) data for December 2019- May 2020 were submitted 7/14/20. There were 91 events and 513 results. Data are under review at TCEQ.</i></p> <p><i>SJRA-Lake Conroe (SJ) data for December 2019- May 2020 were submitted 7/29/20. There were 249 events and 2056 results. Data are under review at TCEQ.</i></p> <p><i>SJRA-Lake Conroe (SJ) data for October/November 2019 were submitted 7/29/20. There were 82 events and 656 results. Data are under review at TCEQ.</i></p> <p><i>SJRA- Woodlands (SJ) data for October/November 2019 were submitted 7/29/20. There were 34 events and 344 results. Data are under review at TCEQ.</i></p>

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				<p><i>City of Houston DWO (HW) data for January-May 2020 were submitted 7/30/2020. There were 79 events and 1861 results. Data are under review at TCEQ.</i></p> <p><i>Revised City of Houston DWO (HW) data for September-December 2019 were submitted 7/30/20. There were 47 events and 1058 results. Data are under review at TCEQ.</i></p> <p><i>H-GAC data (HG) for January-May 2020 were submitted 7/30/2020. There were 52 events and 1245 results. Data are under review at TCEQ.</i></p> <p><i>Harris County PCS (HC) data for January-May 2020 were submitted 7/30/2020. There were 216 events and 2844 results. Data are under review at TCEQ.</i></p> <p><i>A dataset containing missing E. coli data analyzed by TRIES (TF) between 10/1/2018 and 10/31/2019 was submitted 9/1/20. There were 76 additional results. Data are under review at TCEQ.</i></p>
4B	Surface Water Quality monitoring data updates posted to the web or link to TCEQ water quality data.	2/1/20	1/29/20	Hoffman completed updating the data files on H-GAC's web page on 1/29/20. E-mail notification to TCEQ was completed on 2/12/20.
		8/1/20	8/1/20	Updated Access databases were posted on the H-GAC CRP on 8/12/2020
		2/1/21		
		8/1/21		
4C	Provide Summary of Database and GIS Upgrades	2/1/20	12/15/19	Data and station pages on the WRIM were updated 10/9/19.
			3/15/20	Hoffman updated Texas Stream Team pages on the WRIM on 12/15, 1/15, 2/15.
			6/12/20	Hoffman updated Texas Stream Team WRIM pages on 3/15, 4/15, and 5/15

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			9/15/20	<i>Hoffman produced updated Texas Stream Team WRIM pages on 6/18/20, 7/15/20, and 8/18/20</i>
		8/1/20	8/1/20	<i>Updated Access databases were posted on the H-GAC CRP on 8/12/2020</i>
		2/1/21		
		8/1/21		
4	Data Correction Request Forms	As Needed	12/15/19	No Data Correction Requests were submitted during this period.
			3/15/20	No Data Correction Requests were submitted during this period.
			6/12/20	No Data Correction Requests were submitted during this period.
			9/15/20	<i>No Data Correction Requests were submitted during this period.</i>
4	Station Location Request Forms	As Needed	12/15/19	Two SLOCs were submitted in this period. Both have been approved by TCEQ and assigned "Production" status.
			3/15/20	No SLOCs submitted in Quarter 2.
			6/12/20	One SLOC change request was submitted 5/12/2020. It remains under review at TCEQ. Another new SLOC was submitted 5/19/20. It also remains under review at TCEQ.
			9/15/20	<i>One SLOC request was submitted 8/4/2020</i>
Task 5	Data Analysis and Reporting			
	General Data Analysis Activities		12/15/19	Hoffman conducted preliminary data analysis, produced several thousand graphs, and assembled multiple tables and charts in preparation for the 2020 Basin Highlights Report. These activities were repeated two times after additional segments were added to the scope of the report.
	(Continued) General Data Analysis Activities		3/15/20	<p>Hoffman created several DBF and Excel files for maps associated with the CRP projects.</p> <p>Hoffman provided J. Wright with a file identifying all metals and hardness data collected by SJRA for TCEQ review.</p> <p>Hoffman compiled a count of active monitoring sites (not including TCEQ) in the CRP project area for T. Running</p> <p>Hoffman queried flow data for J. Steinwinder of Brown-Caldwell Engineering</p>

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				Hoffman compiled bacteria data from White Oak Bayou and Moses Bayou for J. Wright and J. Casillas
			6/12/20	<p>Hoffman completed analysis for the Targeted Monitoring Project, requested by J. Casillas/K. Guidroz on 3/24/2020</p> <p>Hoffman completed revision of charts for the 2020 BHR on 3/18/2020</p> <p>Hoffman prepared a chart/graph for the Targeted Monitoring Project requested by K. Guidroz on 3/24/2020</p> <p>Hoffman performed analysis for the WQMP requested by B. Sims on 4/16/2020</p> <p>Hoffman performed an analysis of DMR and SSO data in the BIG region, requested by J. Casillas, on 4/8/2020</p> <p>Hoffman prepared a dataset for the Chocolate Bayou TMDL project requested by T. Ranatunga on 5/13/2020</p> <p>Hoffman prepared a dataset for the Spring Creek TMDL project requested by T. Ranatunga on 5/13/2020</p> <p>Hoffman prepared a dataset for the Spring Creek TMDL project requested by T. Ranatunga on 5/26/2020</p> <p>Hoffman performed an analysis for the Cotton Bayou TMDL project requested by R. Windham on 5/12/2020</p> <p>Hoffman performed an analysis and created tables and graphs for the Spring Creek TMDL project requested by R. Windham on 5/18/2020</p>

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			<p>Hoffman prepared a dataset for the Big Creek TMDL project requested by T. Ranatunga on 5/18/2020</p> <p>Hoffman performed analyses for the WQMP requested by T. Ranatunga on 6/1/2020 and 6/4/2020</p> <p>Hoffman prepared revised map files and tables, and an SSO dbf file, for the BIG IP, requested by Preeti K., on 6/4/20</p>
(Continued) General Data Analysis Activities		9/15/20	<p><i>Hoffman produced a dataset of H-GAC special flow monitoring data for J. Rodibaugh/ TCEQ standards team , at the request of J. Wright, forwarded to J. Wright on 6/11/20</i></p> <p><i>Hoffman produced an updated BIG moving geomean chart for B. Sims (WQMP) on 6/17/20</i></p> <p><i>Hoffman performed water quality, DMR and SSO analysis for R. Windham (Cotton Bayou) on 7/1/20</i></p> <p><i>Hoffman queried SWQM and H-GAC data to investigate missing E. coli data from TRIES data previously reported to TCEQ on 7/7/20</i></p> <p><i>Hoffman provided Spring Creek water quality data to T. Ranatunga on 7/13/20</i></p> <p><i>Hoffman performed additional data analysis for S. Johnston (BIG) on 7/20/20</i></p> <p><i>Hoffman produced a water quality / DMR / SSO dataset for J. Bower (Upper Oyster Creek WPP) on 7/20/20; revised and resubmitted 7/23/20</i></p> <p><i>Hoffman produced at dataset for N. Ellis at GBF containing all TST data that he planned to use for testing a tool written in R on 8/3/2020</i></p>

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				<p><i>Hoffman produced a spreadsheet showing the statistical summary of all laboratory results for each parameter and each station monitored by COH HHD, and forwarded to R. Sealy and E. Marjanovich at HHD on 8/25/20</i></p> <p><i>Hoffman provided a table of CRP parameter min/max values to J. Casillas on 9/1/20</i></p> <p><i>Hoffman began preliminary analysis of segment 1101 and 1102 data for "example" of H-GAC approach to 2021 BSR on 9/10/20</i></p>
5A	Preparation meeting for Basin Highlights Report	10/1/19	10/31/19	This meeting is not a requirement for the basin highlight report but Clean Rivers Program staff met in-house on 10/31/2019 to discuss the outline and develop a timeline for the upcoming 2020 Basin Highlights Report (BHR). Wright spoke to PM Rodibaugh at the annual SWQM conference the previous week to let her know what format H-GAC was planning for the report and who would be taking the lead this year.
5A	Preparation meeting for Basin Summary Report	6/30/20 Extended to 7/31/20	7/1/20	<i>The BSR Planning meeting with TCEQ was set for 7/1/20 with an in-house (H-GAC only) pre-planning meeting was set for 6/29/20.</i>
5B	Draft 2020 Basin Highlights Report (BHR) – Watershed Characterizations	1/15/20	2/3/20	Draft 1 of the 2020 BHR was submitted to TCEQ on Monday, 2/3/20. H-GAC staff had the wrong due date in our heads and didn't realize the missed date until it was past. TCEQ confirmed receipt of Draft #1 on 2/4/20.
			3/15/20	H-GAC received partial comments back from TCEQ on 2/29/20. H-GAC immediately started to review, revise, and resubmitted on 3/5/20. All of TCEQ's comments were addressed and sent back to TCEQ on 4/1/20.
			6/12/20	Draft 2 to the 2020 BHR was re-submitted TCEQ on. All comments were addressed.
5B	Pre-Draft Segment Example/ Sample for 2021 Basin Summary Report (BSR)	9/15/20 Extended to 10/15/20	9/15/20	<i>Due to TCEQ being short-staffed and current data not being uploaded to SWQMIS, H-GAC could not finish the pre-draft segment(s) for submission by 9/15/20. Instead it was decided that H-GAC would use both uploaded and reformat 'pending' data so H-GAC could finish the data analysis needed to compose the draft segment write-ups. The new due date is 10/15/20.</i>

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5C	Draft 2021 Basin Summary Report	2/15/21		
5C	Draft Basin Highlights Report website/storyboard application	4/1/20 Extended to 4/20/20	4/20/20	Sims sent TCEQ PM the BHR storyboard application link for review on 4/20/20.
5D	FINAL 2020 Basin Highlights Report – Watershed Characterizations	5/15/20 6/11/20	6/11/20	The final 2020 Basin Highlights Report story map was finished on 6/8 however, H-GAC did not submit it pending the results of an inquiry sent to ESRI about printing the report in hard copy. Attempts to print a hard copy left out all maps. The link was sent to TCEQ on 6/11 and the report was also submitted to TCEQ in WORD with all text, photos, graphs, maps, and tables included.
			6/25/20	<i>The final StoryMap of the 2020 BHR was submitted to TCEQ and the PDF version of the 2020 BHR was uploaded to the web on 7/17/20.</i>
5D	Draft 2021 Basin Summary Report application	5/1/21		
5E	Post 2020 BHR to the Web	6/30/20 extended by two weeks AFTER getting TCEQ comments.	7/17/20	<i>The 2020 Basin Highlights Report StoryMap layout and viewing were tweaked several times as TCEQ made their final review and approved launching the web-based report. All was posted and launched by 7/17/20/</i>
5E	FINAL BSR and application	6/15/21		
5F	Post 2021 BSR to the Web	6/30/21		
Task 6	Stakeholder Participation and Public Outreach			
6A	Document & notify TCEQ that website meets outlined Web Site Requirements	12/15/19	12/15/19	Website meets TCEQ's website requirements with required links. Updates have been posted to the H-GAC website for the past quarter.
		12/15/20		
6B	Provide summary of updates and/or copies of revised website pages in Progress Report	12/15/19	12/15/19	Copies of revised pages are attached to this report. Specifically, changes have been made to the following pages: <ul style="list-style-type: none"> • posted Final Scope of Work and Budget for FY2020-2021 • posted Regional FY20-21 QAPP,

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				<ul style="list-style-type: none"> updated Water Resources Interactive Map (WRIM) monitoring sites,
		3/15/20	3/15/20	<p>Copies of revised pages are attached to this report. Specifically, changes have been made to the following pages:</p> <ul style="list-style-type: none"> Updated water quality data from all partners (except SJRA) on the web site; updated Water Resources Interactive Map (WRIM) monitoring sites.
		6/15/20	6/12/20	<p>Copies of revised web pages are attached to this report. Specifically, changes have been made to the following pages:</p> <ul style="list-style-type: none"> Upcoming Basin Steering Committee meeting agenda was posted to web; H-GAC and all local partner monitoring sites were updated on the LCRA maintain Coordinated Monitoring Schedule web site; Texas Stream Team data was updated in the Water Resources Interactive Map (WRIM).
		9/15/20	9/15/20	<p>Copies of revised web pages are attached to this report. Specifically, changes have been made to the following pages:</p> <ul style="list-style-type: none"> 2020 Basin Highlights Report was posted to web and launched to the public; Basin Steering Committee meeting summary notes for 5/27/20 meeting were posted to web; Amendment 1 to the Multi-Basin QAPP was posted to the web; Updated data on H-GAC web sites in the Surface Water Monitoring Data by Basin and Organization. Updated Texas Stream Team data in the Water Resources Interactive Map (WRIM).

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		3/15/21		
		6/15/21		
		8/31/21		
6C	Contact Steering Committee Members to promote/confirm participation and review response against membership guidelines, distribute Pre-Meeting Questionnaire	45 days prior to meeting	04-27-20	The list of Steering Committee members was reviewed and updated with representatives from agencies and organizations. A draft agenda was sent out along with announcing the meeting would be held via Microsoft TEAMS software.
6D	Distribute/Post final meeting announcements and final agenda for steering committee meetings	As Needed 15 days prior to meetings	05-20-20	The final agenda was sent out to all on 5/20/20 along with additional instructions on how to join the TEAMS meeting.
6E	Conduct Basin Steering Committee Meetings (Before August 31, 2016)	As Needed 1 in latter half of fiscal year	05-27-20	The annual Basin Steering Committee meeting was conducted on 5/27/20 via Microsoft TEAMS software. The meeting was well attended with at total of 44 people attended and/or participating in the virtual meeting.
6F	Steering Committee Meeting materials	As Needed, with PR	06/10/20	The Basin Steering Committee summary notes were completed and sent to TCEQ on 6/10 and are included in this progress report. See attached. Summary packet.
6G	Steering Committee Summary posted to web	45-60 days after meeting	7/16/20	<i>The Basin Steering Committee summary notes for 5/27/2020 were posted to the H-GAC web site. Meeting Summary Packet is attached.</i>
6H	Materials from education and outreach activities including description of & materials from.	12/15/19	12/15/19	<p>MEETING AGENDAS & EVENT FLYERS are attached.</p> <p>07/17/19 – Running represented H-GAC at the GBEP Galveston Bay Council Meeting at the Harris -Galveston Subsidence District office in Friendswood.</p> <p>07/31/19 – Running gave a presentation about non-point source and ambient water quality issues in the region at the Carmen Orozco Professional Development Complex in Pasadena</p> <p>08/02/19 – Janhsen participated in a Houston Advanced Research Center (HARC), Geotechnology Research Institute (GRI), and Galveston Bay Foundation (GBF) sponsored public outreach planning meeting at the UH main</p>

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				<p>campus to assess public perception levels of Galveston Bay and execute outreach and education campaigns in communities throughout the region. (There was no agenda provided for this meeting.)</p> <p>08/06/19 – Running met at the Bayou Preservation Association (BPA) office to discuss how BPA could implement TST protocols as part of their monitoring -efforts with volunteers.</p> <p>08/08/19 – Janhsen attended the Galveston Bay Report Card Workgroup meeting to discuss assessing public perception levels of Galveston Bay and how to execute outreach and education campaigns in specific communities within the region.</p> <p>08/21/19 – Running attended the GBEP Resiliency Assessment workgroup meeting to discuss and establish metrics for local water quality issues.</p> <p>09/05/19 – Running attended the North Houston Association (NHA) Environmental Committee meeting in the Greenspoint area of Houston. He gave an update on CRP and other water quality activities in the area.</p> <p>09/10/19 – Wright facilitated, and Casillas and Sims attended the Clean Rivers Program Regional Monitoring Workgroup Meeting at H-GAC.</p> <p>09/10/19 – Running, Janhsen, and Guidroz attended the Public Participation and Education Subcommittee Meeting at the Galveston Bay Estuary Program.</p> <p>9/11/19 – Bower and Sims attended the Water and Sediment Quality Subcommittee Meeting at the Galveston Bay Estuary Program.</p> <p>9/11/19 – Wright attended the Monitoring and Research Subcommittee Meeting at the Galveston Bay Estuary Program.</p>

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				<p>09/12/19 – Running and Guidroz attended the Olin Ambassador Training session held in Freeport. They were helping with public outreach regarding multiple water quality issues.</p> <p>10/21/19 – Wright, Guidroz, and Casillas travelled to and stayed at Mayan Ranch in Bandera for the annual SWQM Workshop.</p> <p>10/30/19 – Casillas, Guidroz, Running, Shumard, and Wright attended the Bayou Preservation Association (BPA) Annual Symposium.</p> <p>11/13/19 – Casillas and Sims facilitated, Wright, Guidroz, Running, Hoffman, and Shumard attended the Technical Advisory Group for Monitoring Efficiencies Analysis Meeting at H-GAC.</p> <p><u>Texas Stream Team outreach activities included:</u></p> <p>09/14/19 - Guidroz conducted a Texas Stream Team Phase I/II Training at Brazosport College in Lake Jackson.</p> <p>09/20/19– Guidroz conducted a Texas Stream Team Phase I and II training in Sugarland.</p> <p>10/25/19 – Guidroz conducted 2 Texas Stream Team Phase III trainings in Lake Jackson and Pearland.</p> <p>11/05/19 – Guidroz conducted a Texas Stream Team Phase III training in Clear Lake.</p> <p>11/07/19 – Guidroz conducted a Texas Stream Team Phase III training in Katy.</p> <p>11/07/19 – Guidroz sent out the H-GAC Texas Stream Team Newsletter to</p>

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				332 recipients. 11/22/19 – Guidroz conducted a Texas Stream Team Phase III training in Sugar Land.
		3/15/20	3/15/20	<u>Meeting Agendas, Event Flyers, & Newsletter are attached.</u> 11/15/19 – Running attended an EIH Advisory Board Meeting held at the UHCL campus. They presented an update on all activities worked on over the past 6 months and discussed funding opportunities they were pursuing. 12/05/19 – Bower represented H-GAC and CRP at the GBEP Water & Sediment Quality Subcommittee meeting in Clear Lake area. 12/10/19 – Wright facilitated and Casillas and Guidroz attended the Clean Rivers Program Regional Monitoring Workgroup Meeting at H-GAC. There was a discussion about the upcoming Targeted Monitoring Project as well as the annual monitoring procedures review. 12/11/20 – Wright attended the Monitoring & Research Subcommittee Meeting at the Galveston Bay Estuary Program. 12/12/19 – Guidroz attended the Public Participation and Education Subcommittee Meeting at the Galveston Bay Estuary Program. 01/06/20 – Wright conducted a conference call with representatives from Texas AgriLife and Texas Parks & Wildlife Department to discuss what type of information was available for deciding whether Dickinson Bayou Above Tidal was a good candidate for the Targeted Monitoring Project. 1/22/20 – 1/23/20 – Running, Wright, Guidroz, Casillas, and Shumard attended the State of the Bay Symposium at Moody Gardens in Galveston. Running

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			<p>and Guidroz presented at the Symposium. Bower, Sims, Johnston, and Windham also attended and helped with H-GAC's outreach table at the event. Their registrations were covered by other projects, not CRP.</p> <p>02/06/20 – Bower, Sims, Janhsen, and Windham attended the Natural Resources Advisory Committee Meeting at H-GAC.</p> <p>02/26/20 – Wright attended the Galveston Bay Foundation's (GBF) Boater Waste Workgroup Meeting at the GBF office in Clear Lake. Wright met the new coordinator and participated in a discussion about ambient monitoring in relationship to marinas in the region.</p> <p>02/27/20 – Wright, Shumard and Windham attended the Surface Water Quality Monitoring Workshop at the Environmental Institute of Houston. H-GAC sponsored the one-day training. Shumard and Windham attended the training while Wright audited the class. A total of 16 additional local partners participated. Jenny Oakley was the classroom teacher with Wright occasionally jumping in at the end of each section to ask a question or expand on the subject just discussed in the module. The afternoon session saw the group divided into two for field activities. EIH had set up two field stations – one 'in-situ' and one from a bridge.</p> <p><u>Texas Stream Team outreach activities included:</u></p> <p>12/03/19 - Guidroz conducted a Texas Stream Team Phase III Training on the San Bernard River.</p> <p>12/03/19 – Guidroz conducted Texas Stream Team Phase III training at a site in Brazoria and a site in Sugar Land.</p> <p>01/07/20 – Guidroz attended the Bayou Citizen Science Committee Meeting at the Bayou Preservation Association to discuss TST program and data.</p>

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				<p>01/07/20 (Really happened on 01/13/20) – Guidroz conducted a Texas Stream Team Phase III training in Oyster Creek and Lake Jackson.</p> <p>02/06/20 – The H-GAC Texas Stream Team Quarterly Newsletter was sent out to 333 recipients with a 40.6% open rate and 23.2% click rate.</p> <p>02/07/20 – Guidroz conducted a Texas Stream Team Phase III training in League City.</p> <p>02/15/20 – Guidroz conducted a Texas Stream Team Phase I and II training with Bayou Preservation Association at the Houston Audubon Raptor and Education Center.</p>
		6/15/20	6/12/20	<p><u>Meeting Agendas, Event Flyers, & Newsletter are attached.</u></p> <p>*Due to COVID-19, most outreach events were cancelled. Meetings that were scheduled were either postponed or held virtually via Microsoft TEAMS software or ZOOM.</p> <p>03/04/20 – Wright participated in the Monitoring and Research Subcommittee Meeting at the Galveston Bay Estuary Program.</p> <p>03/07/20 – Casillas and Guidroz attended the NatureFest outreach event at Jesse H. Jones Park and Nature Center. H-GAC messages included pet waste disposal for bacteria reduction and litter prevention.</p> <p>03/30/20 – 04/01/20 – Wright facilitated and Casillas, Guidroz, Hoffman, Sims and Running attended the Coordinated Monitoring Meetings via Microsoft Teams. They were held over a three-day period with each local partner meeting at a designated time.</p>

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				<p>04/07/20 – Sims facilitated and Wright, Casillas, Guidroz, Hoffman, and Running attended the Monitoring Efficiencies Meeting hosted by H-GAC on Microsoft Teams.</p> <p>04/07/20 – Guidroz attended the Bayou Preservation Association’s Bayou Citizen Science Subcommittee Meeting held via ZOOM. Topics included water quality data gathering protocols and methods of sharing with the public.</p> <p>04/28/20 – Windham facilitated while Wright and Johnston attended the Cotton Bayou Watershed Public Meeting. Discussion included water quality monitoring in the watershed and a follow-up meeting was planned with the city of Mt. Belvieu to discuss additional data collection.</p> <p>05/05/20 – Wright, Windham and Johnston attended a ZOOM meeting with the City of Mont Belvieu and contracted engineer to discuss potential CRP monitoring on Cotton Bayou and how best to benefit both CRP and the city moving forward with WWTP expansion plans.</p> <p>05/21/20 – Wright attended the GBF Boater Waste Workgroup Meeting. The Meeting was held via ZOOM. Topics included current and planned efforts in the Boater Waste program, including discussions with the City of Galveston about high bacteria concentrations coming from the Pier19 storm drainage system.</p> <p>05/27/20 – Wright facilitated and Running, Guidroz, Sims, Johnston, Hoffman, Windham, Bower, and Tantillo attended the H-GAC CRP Basin Steering Committee Meeting held virtually via Microsoft TEAMS.</p> <p><u>Texas Stream Team outreach activities included:</u></p> <p>05/07/20 – The H-GAC Texas Stream Team Quarterly Newsletter was sent</p>

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				out to 333 recipients with a 40.6% open rate and 23.2% click rate.
		9/15/20	9/15/20	<p><u>Meeting Agendas, Event Flyers, & Newsletter are attached.</u></p> <p><i>*Due to COVID-19, most outreach events were cancelled. Meetings that were scheduled were either postponed or held virtually via Microsoft TEAMS software, ZOOM, or Go-to-Webinar.</i></p> <p>06/09/20 – Wright facilitated and Guidroz, Albanese, Running, Hoffman, Sims, and Johnston attended the H-GAC CRP Regional Monitoring Workgroup Meeting hosted virtually by H-GAC.</p> <p>06/10/20 – Wright attended the Monitoring and Research Subcommittee Meeting hosted virtually by the Galveston Bayou Estuary Program.</p> <p>06/10/20 – Guidroz attended the Water and Sediment Quality Subcommittee Meeting hosted virtually by the Galveston Bay Estuary Program.</p> <p>06/18/20 – Guidroz attended the Public Participation and Education Subcommittee Meeting hosted virtually by the Galveston Bay Estuary Program.</p> <p>08/04/20 – Guidroz attended the Bayou Citizen Science Committee Meeting hosted virtually by the Bayou Preservation Association.</p> <p>08/06/20 – Running, Guidroz, Casillas, and Albanese attended the Natural Resources Advisory Committee Meeting hosted virtually by H-GAC.</p> <p><u>Texas Stream Team outreach activities included:</u></p> <p>07/02/20 – Guidroz met with Bayou Preservation Association staff virtually to</p>

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				<p><i>discuss options for their new Texas Stream Team group with the COVID-19 situation.</i></p> <p>08/06/20 – <i>The H-GAC Texas Stream Team Quarterly Newsletter was sent out to 334 recipients with a 30.4% open rate and 11.8% click rate.</i></p>
		12/15/20		
Task 7	Special Projects (N/A)	N/A	N/A	N/A
	Targeted Monitoring Project			