



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: August 17, 2020

Re: Collaborative Adaptive Management (CAM) Progress Report 2017-2018 from the CAM Stakeholder Committee

## Executive Summary

The Hinkson Creek Collaborative Adaptive Management (CAM) Stakeholders and Municipal Separate Storm Sewer System (MS4) permit holders (City of Columbia, County of Boone, and University of Missouri) have prepared the CAM Progress Report 2017-2018. The purpose of this report is present a summary of the activities of the Stakeholder group and the actions taken as part of the CAM process.

## Discussion

In Spring 2012, a five-party Collaborative Adaptive Management Agreement was negotiated to settle the Hinkson Creek TMDL (Total Maximum Daily Load) litigation. The parties to the agreement are the City of Columbia, Boone County, the University of Missouri (partners in the local Municipal Separate Storm Sewer System (MS4) permit), the United States Environmental Protection Agency (EPA) and the Missouri Department of Natural Resources (MDNR). According to the CAM Agreement, the MS4 permit holders and CAM Stakeholder group are to provide a periodic report summarizing the activities of the Stakeholder Committee and progress of the CAM process. This progress report -includes presentations and reports, field trips, actions and status of those actions. Each item has website links to the information provided to the Stakeholders. The Hinkson Creek CAM Stakeholder group approved this report for the 2017-2018 reporting period at their December 9, 2019 meeting.

The actions/proposals approved by the Stakeholder Group during the report period include the El Chaparral Riparian Restoration project and the Hinkson Creek Macroinvertebrate Data Mining Study. The El Chaparral Riparian Restoration project is a City-funded project that restored a former neighborhood sewer treatment lagoon site, located along the south fork of the Grindstone, to a more natural riparian land cover. Construction of the necessary stormwater infrastructure was completed in March 2018 with seeding and planting activities occurring in January, March and October 2018. Invasive plant control at the site is still ongoing. The Hinkson Creek Macroinvertebrate Data Mining Study objective is to analyze and interpret existing macroinvertebrate and chemical/physical data to diagnose stressors causing Hinkson Creek AQL impairment. This project is an intergovernmental agreement funded equally by the City, Boone County and the University of Missouri. Geosyntec Consultants was awarded the contract in August of 2019, and the study is expected to be completed by the end of 2020.



Other items of note include the CAM Summit that was held on April 10, 2017, as a joint meeting of the Stakeholder Committee, Science Team, and Action Team to discuss current status and future direction of the CAM process. At that meeting, the group decided to delay MS4 partner funding (previously funded by MDNR) of the twice yearly macroinvertebrate sampling for the next 1-3 years until a targeted sampling approach could be developed. In addition to the Progress Report, the CAM website, [www.helpthehinkson.org](http://www.helpthehinkson.org), is updated regularly to provide meeting minutes for each of the various committees as well as more information regarding the CAM process.

## Fiscal Impact

Short-Term Impact: N/A  
Long-Term Impact: N/A

## Strategic & Comprehensive Plan Impact

### Strategic Plan Impacts:

Primary Impact: Not Applicable, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

### Comprehensive Plan Impacts:

Primary Impact: Environmental Management, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

## Legislative History

Date	Action
05/04/2020	B98-20: Authorizing an intergovernmental cooperative agreement with Boone County, Missouri and The Curators of the University of Missouri for a chemical analysis project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process; amending the FY 2020 Annual Budget by appropriating funds.
04/06/2020	B83-20 Authorizing an intergovernmental cooperative agreement with Boone County, Missouri and The Curators of the University of Missouri for a synoptic sampling project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process; amending the FY 2020 Annual Budget by appropriating funds.
01/07/2019	B322-18: Authorizing an intergovernmental cooperative agreement with the County of Boone and The Curators of the University of Missouri for an aquatic macroinvertebrate data mining project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process;



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

12/18/2017	appropriating funds. R182-17: Appointing the City Manager, or the City Manager's designee, as an alternate voting member of the Hinkson Creek Collaborative Adaptive Management Stakeholder Committee.
11/06/2017	B316-17: Authorizing construction of the El Chaparral riparian restoration project on a City-owned tract located along the south fork of the Grindstone Creek; authorizing the Purchasing Division to call for bids or contract for a portion of the work.
08/21/2017	PH28-17: Proposed construction of the El Chaparral riparian restoration project on a City-owned tract located along the south fork of the Grindstone Creek.
04/17/2017	R91-17: Setting a public hearing: proposed construction of the El Chaparral riparian restoration project on a City-owned tract located along the south fork of the Grindstone Creek.
11/03/2015	Ord. 22630; Authorizing an Intergovernmental Cooperative Agreement Partial Performance Acknowledgement of Hinkson Creek Physical Habitat Assessment as it relates to the collaborative adaptive management implementation (CAM) process to address the total maximum daily load (TMDL) for Hinkson Creek
08/05/2014	Res. 135-14 Transferring funds for the Collaborative Adaptive Management (CAM) - Hubbard assessment project and for construction of the West Broadway sewer project
04/01/2013	B78-13: Authorizing an intergovernmental cooperation agreement with Boone County and the University of Missouri as it relates to collaborative adaptive management implementation process to address total maximum daily load for Hinkson Creek
03/18/2013	B65-13(D): Public Hearing Construction of the Forum Nature Area level spreader project.
03/04/2013	R40-13: Setting a public hearing: construction of the Forum Nature Area level spreader project.
04/17/2012	Ord. 21291; Authorizing a collaborative adaptive management implementation schedule and agreement for Hinkson Creek TMDL

## Suggested Council Action

Report is for information only. See attached CAM Progress Report 2017-2018 for detailed information.