

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

FROM: Bob Heeke, Sr. Project Manager, Office of Agriculture and Environmental Projects

THRU Steve Minnis, Deputy Executive Director, Business and Community Services

DATE: October 2, 2020

RE: Mallory Swamp Modeling Efforts

RECOMMENDATION

Authorize the Executive Director to execute a Task Work Assignment with NorthStar Contracting, Inc. for an amount not to exceed \$190,000.

BACKGROUND

In January 2020, the District executed an Amendment to the Middle Suwannee River and Springs Restoration and Aquifer Recharge Project with the Florida Department of Environmental Protection. The amendment allowed the District to model the current water management system in Mallory Swamp to determine if there were significant offsite impacts. This study is also important to assist Dixie County, which is currently involved in Aquifer Recharge projects using Springs funds, by providing data about ground and surface water flows that affect the county.

The proposed Task Work Assignment (TWA) will have NorthStar Contracting, Inc. (NorthStar) collect data to calibrate the model and augment existing data sources; refine the North Florida South East Georgia model to be used in this area; and use the Interconnected Channel and Pond Routing v4 software to model the current conditions to determine how nearby surface and ground water is affected by the current water management practices in Mallory Swamp.

NorthStar is currently under a general engineering contract with the District. NorthStar has worked on several projects in the area and the firm is familiar with the site. Additionally, their subcontractor for modeling, Drummond Carpenter, is working with Dixie County on projects which will allow for seamless integration of the model results between Mallory Swamp and down gradient areas of Dixie County. A report will be generated based on the model results, that discusses the current impacts of the water management practices in and near Mallory Swamp.

This TWA will be funded by the Middle Suwannee River and Springs Restoration and Aquifer Recharge Project grant.

BH/tm
Attachment