



# Brevard County Board of County Commissioners

2725 Judge Fran Jamieson  
Way  
Viera, FL 32940

## Legislation Text

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**File #:** 3282, **Version:** 1

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### **Subject:**

St Johns River Water Management District Intergovernmental Agreement for the Crane Creek M-1 Canal Restoration Project - D5

### **Fiscal Impact:**

None.

### **Dept/Office:**

Natural Resources Management Department

### **Requested Action:**

1) Authorize the Chair to execute the Crane Creek M-1 Canal Restoration Project Intergovernmental Agreement with the Water Management District; 2) Authorize the County Manager or designee to sign amendments; 3) Authorize the Chair to execute related easements and property transfers documents once approved by Land Acquisition, Legal, and Risk Management.

### **Summary Explanation and Background:**

The Crane Creek/M-1 Canal Flow Restoration Project was approved by the County Commission on February 26, 2019 as a substitute project included in the 2019 Update to the Save Our Indian River Lagoon Project Plan. The project is to be constructed and operated by the St Johns River Water Management District (S.J.R.W.M.D.).

The Crane Creek/M-1 Canal cuts through the coastal ridge diverting stormwater flow from approximately 5,300 acres of the historic St. Johns River basin to the Indian River Lagoon. This Project will restore M-1 Canal baseflows and small stormflows west of Evans Road back to the St. Johns River basin by constructing an operable diversion structure in the M-1 Canal to divert flows to a pump station that will pump stormwater runoff from the M-1 canal to a stormwater treatment area west of I-95. This stormwater treatment area will treat the runoff prior to discharging to the St. Johns River.

The flood storage area located west of the St Johns Heritage Parkway is to be transferred to the S.J.R.W.M.D. for providing water quality treatment. Compensatory floodplain storage associated with the property will be reserved to the County through an easement upon transfer.

This project will reduce the amount of excess freshwater and nutrients flowing to the Indian River Lagoon by treating and diverting baseflows and storm flows back to the St. Johns River basin through the installation of a weir, pumps and stormwater treatment area. The nutrient reduction benefit of this project to the Indian River Lagoon is estimated to be 23,113 pounds per year of total nitrogen and 2,719 pounds per year of total phosphorus.

**Clerk to the Board Instructions:**

Execute two Originals of the Agreement.