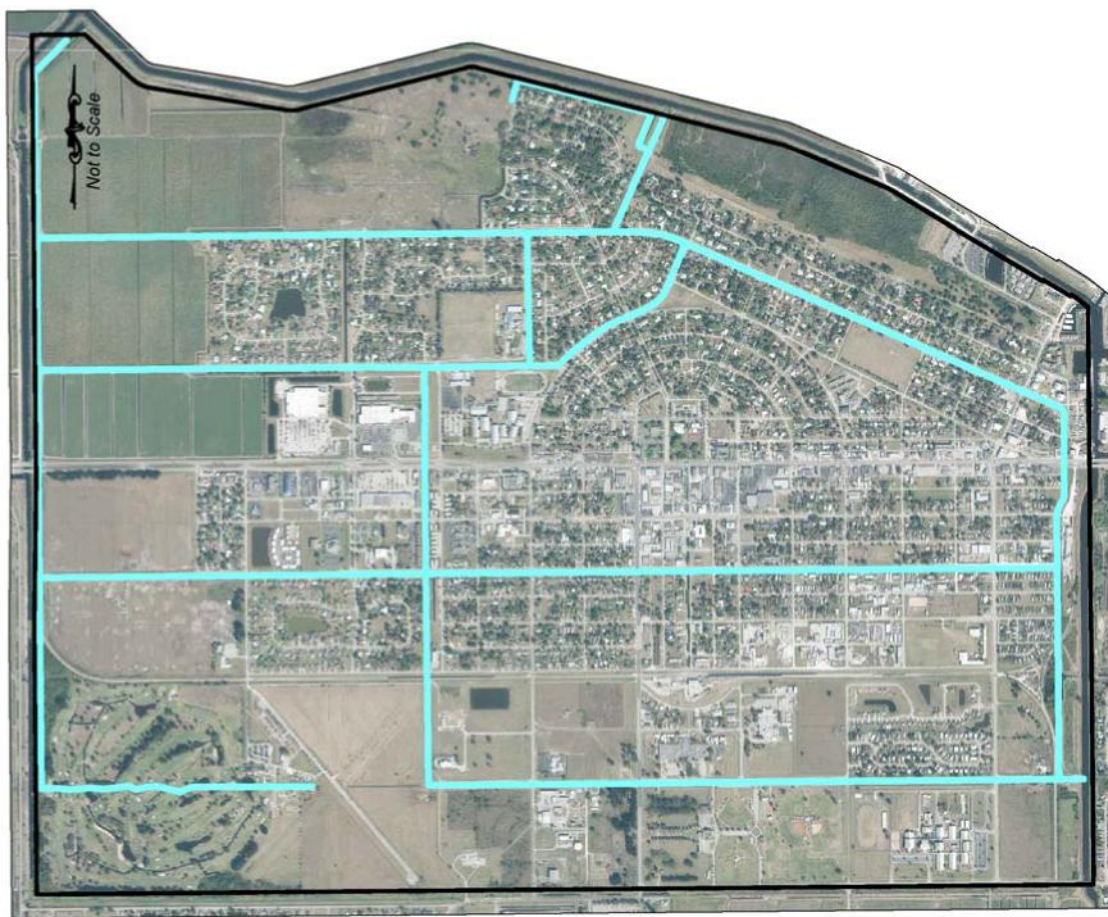


Clewiston Drainage District BMP Plan for Caloosahatchee River and Estuary Basin Management Action Plan September 2019

The Clewiston DD (CDD) is a Chapter 298 District established in 1924, and presently codified pursuant to Chapter 2000-453. The CDD encompasses the same lands as the City of Clewiston. The CDD maintains the primary network of canals within the City. The City of Clewiston is responsible for collecting storm water runoff and delivering it to these canals.

A map of the CDD discharge canals and associated rights of way is shown below. There are 13.5 miles of maintained canals.



The City of Clewiston has a MS4 Phase 2 permit issued by the FDEP (FLR04E134) and all agricultural producers within the CDD are required to implement FDACS best management practices, unless the alternative to monitor is permitted. There are approximately 2160 +/- acres of urban lands (residential, commercial, recreational, and industrial lands) and 710 +/- acres of agricultural lands within the CDD. A map generally depicting the agricultural producers enrolled

within the CDD is on file with FDACS. All storm water entering the CDD canals is therefore treated by one of the above requirements.

The CDD receives runoff from the lands within the City and transmits the flow to discharge points. This practice does not increase the nutrient load in the runoff. The CDD is proposing BMP's to remove nutrients sequester in vegetation and sediment during the transportation process.

The CDD proposes that the listed best management practices will be implemented and reported as activity based strategies. A specific allocation or nutrient reduction target will not be established. Rather the CDD's activities will serve to assist in the control of nutrients as part of the efforts described in the Basin Management Action Plan. Implementation of the best management practices shall provide compliance with the BMAP and Chapters 373 and 403 F.S.

In selecting the best management practices, in coordination with FDEP, the function, operation and budget of the CDD has been considered and these listed best management practices should not be considered as cost-effective, technically practical or applicable to any other water control district within the BMAP. Each best management practice includes a description and the required records keeping.

It is recognized the CDD is limited by the spatial configuration of the canal and rights-of-way as to the performance of certain bet management practices.

The CDD will provide FDEP an annual report confirming that these activities are as identified below. Detailed records of same will be kept in the CDD's offices.

1. Public Education and Outreach

Description: The CCD shall include as part of its annual meeting, an agenda item to alert its landowners of the existence of the BMAP and requirements for urban and agricultural landowners. FDEP and FDACS will assist with the preparation of the agenda materials. The CDD will also meet with the City of Clewiston Public Works department at least annually to emphasize the importance of City and landowners BMP's prior to discharge to the CDD system. Problem areas observed by CDD will be highlighted with the City at this meeting.

Report: Annual Landowners' Agenda. A copy of the agenda and background materials shall be on file. Maintain a log of meetings with City officials.

2. FDACS BMP Assistance

Description: The CDD will provide assistance to the Florida Department of Agriculture and Consumer Services (FDACS), when requested. The CDD will identify current landowner or producer and their contact information based on the CDD records. The CDD will contact landowners identified by FDACS to encourage the landowner or producer to participate in the FDACS BMP programs and recommend they contact FDEP to learn more about the program.

Report: Number of landowners/producer information requested by FDACS and responses provided.

3. Nutrient Controls

Description: No application of fertilizer within the CDD's rights of way.

Report: Annual verification by CDD.

4. Control Structures

Description: Maintain existing water control structures to regulate storm water discharges during storm events and to allow nutrients and sediments to settle out in the canals where they can be removed. Evaluate the cost benefit impact of new structures as identified to improve water quality.

Report: Structure type, location, and operation. Identify proposed structures analyzed and the results.

5. Aquatic Vegetation Control

Description: Install and maintain floating vegetation barriers upstream of pump stations to prevent aquatic vegetation from being pulled into the discharge pumps. Mechanically remove accumulated vegetation at the trash located at the discharge pumps.

Report: Document the buildup of aquatic vegetation and removal.