

40E-41.220 Scope and Policy of Part III.

The rules in this part shall apply to new construction in the C-51 Basin.

Rulemaking Authority 373.044, 373.113 FS. Law Implemented 373.085, 373.413, 373.416 FS. History—New 5-13-87.

40E-41.221 Definitions.

When used in this Part:

(1) “Basin” means the C-51 Basin as legally described in Rule 40E-41.223, F.A.C., (Basin Boundary) and as depicted on Figure 41-5.

(2) “Western C-51 Basin” means that portion of the C-51 Basin west of State Road Seven as depicted on Figure 41-6 and described in subsection 40E-41.223(1), F.A.C., (Western Basin Boundary).

(3) “Eastern C-51 Basin” means that portion of the C-51 Basin east and west of State Road Seven as depicted on Figure 41-7 and described in subsection 40E-41.223(2), F.A.C., (Eastern Basin Boundary).

Rulemaking Authority 373.044, 373.113 FS. Law Implemented 373.085, 373.413, 373.416 FS. History—New 5-15-87.

40E-41.223 C-51 Basin Boundary.

The C-51 Basin is generally depicted in Figures 41-5, 41-6 and 41-7 and specifically includes land described below.

(1) Western C-51 Basin Boundary. Begin at the intersection of S. R. 80 (Southern Blvd.) and S. R. 7 (U.S. Highway No. 441) in Section 36, Township 43 South, Range 41 East; thence, westerly along S. R. 80 1000 feet; thence, southerly along a line 1000 feet west of and parallel with S. R. 7 to the north line of Section 1, Township 44 South, Range 41 East; thence, westerly along the north line of Section 1, Township 44 South, Range 41 East to the east line of Section 2, Township 44 South, Range 41 East; thence, southerly along the east line of Sections 2, 11 and 14, Township 44 South, Range 41 East to the southeast (S.E.) corner of said Section 14; thence, westerly along the south line of Sections 14, 15, 16, 17 and 18, Township 44 South, Range 41 East to the range line between Ranges 40 and 41 East; thence, southerly along said range line to the intersection thereof with South Florida Water Management District’s Levee 40; thence, northwesterly and northerly along said Levee 40 and along Levee 8 to the south line of Section 21, Township 43 South, Range 40 East; thence, easterly along the south line of Sections 21 and 22, Township 43 South, Range 40 East to the southeast (S.E.) corner of said Section 22; thence, northerly along the east line of said Section 22 to the northeast (N.E.) corner of said Section 22; thence, westerly along the south line of Section 15, Township 43 South, Range 40 East to the southwest (S.W.) corner of said Section 15; thence, northerly along the west line of Sections 15 and 10, Township 43 South, Range 40 East to the intersection thereof with the “M” Canal of the City of West Palm Beach; thence, northerly, northeasterly and easterly along said “M” Canal to the range line between Ranges 41 and 42 East; thence, southerly along said range line to the southwest (S.W.) corner of Section 19, Township 43 South, Range 42 East; thence, southerly along S.R. 7 to the Point of Beginning.

(2) Eastern C-51 Basin Boundary.

(a) Begin at the intersection of the Florida East Coast Railway and SR 802 (Lake Worth Road) in Section 21, Township 44 South, Range 43 East; thence, Westerly along SR 802 to SR 7 (U.S. Highway No. 441); thence, North along the East line of Section 25, Township 44 South, Range 41 East to the Northeast (N.E.) corner of said Section 25; thence, Westerly along the North line of said Section 25 to the Southwest (S.W.) corner of Section 24, Township 44 South, Range 41 East; thence, North along the west line of Sections 24, 13, 12, and 1, Township 44 South, Range 41 East to the Northwest (N.W.) corner of said Section 1; thence, Easterly along the North line of said Section 1 to a line that is 1,000 feet west of and parallel with the East line of Section 36, Township 43 South, Range 41 East; thence, North along said line to the intersection thereof with Canal 51; thence, Easterly along Canal 51 to SR 7; thence, North along SR 7 to the Southwest (S.W.) corner of Section 19, Township 43 South, Range 42 East; thence, North along the West line of said Section 19 to the Northwest (N.W.) corner of said Section 19; thence, Easterly along the North line of said Section 19 and the North line of Section 20, Township 43 South, Range 42 East to the Southwest (S.W.) corner of Section 16, Township 43 South, Range 42 East; thence, Northerly along the West line of said Section 16 to the Northwest (N.W.) corner of said Section 16; thence, Easterly along the North line of said Section 16 to the Southwest (S.W.) corner of Section 10, Township 43 South, Range 42 East; thence, Northerly along the West line of said Section 10 to the Northwest (N.W.) corner of said Section 10; thence, Easterly along the North line of said Section 10 to Florida’s Turnpike; thence, Southerly along Florida’s Turnpike to the North line of Section 23, Township 43 South, Range 42 East; thence, Easterly along the North line of said Section 23 to the Northeast (N.E.) corner of said Section 23; thence, Southerly along the East line of said Section 23 to SR 704 (Okeechobee Road); thence, Easterly along SR 704 to Palm Beach Lakes Boulevard; thence, Northeasterly along Palm Beach Lakes Boulevard to

Interstate 95; thence, Southeasterly along I-95 to Congress Avenue; thence, Northeasterly along Congress Avenue to the North line of Section 20, Township 43 South, Range 43 East; thence, Easterly along the North line of said Section 20 to the Westerly bank of the canal connecting Clear Lake and Lake Mangonia; thence, Northerly, Easterly, Southerly, and Westerly along the shore of Lake Mangonia to the Easterly bank of said canal to the Northerly shore of Clear Lake; thence, Easterly and Southerly along the shore of Clear Lake to the Westerly extension of First Street; thence, Easterly along said extension and along First Street to the Florida East Coast Railway; thence, Southerly along the Florida East Coast Railway to the Point of Beginning.

(b) And Begin at the Northeast (N.E.) corner of Section 36, Township 44 South, Range 41 East on SR 7; thence Southerly along SR 7 to the Southeast (S.E.) corner of Section 24, Township 45 South, Range 41 East; thence, Westerly along the South line of said Section 24, and the east one-half of Section 23, Township 45 South, Range 41 East to the intersection thereof with South Florida Water Management District's Levee 40; thence, Northwesterly along said Levee 40 to the Southwest (S.W.) corner of Section 33, Township 44 South, Range 41 East; thence, Easterly along the South line of said Section 33 and the South line of Section 34; Township 44 South, Range 41 East to the Southwest (S.W.) corner of Section 35, Township 44 South, Range 41 East; thence, North along the West line of said Section 35 to the Northwest (N.W.) corner of said Section 35; thence, Easterly along the North line of said Section 35 and the North line of Section 36, Township 44 South, Range 41 East to the Northeast (N.E.) corner of said Section 36 and the POINT OF BEGINNING.

Rulemaking Authority 373.044, 373.113, 373.4131, FS. Law Implemented 373.085, 373.086, 373.413, 373.416 FS. History—New 5-15-87.

40E-41.233 Implementation.

The effective date of this part is May 15, 1987, revised 2015.

Rulemaking Authority 373.044, 373.113, 373.4131, FS. Law Implemented 373.085, 373.086, 373.413, 373.416 FS. History—New 5-15-87.

40E-41.243 Application of Part III.

(1) All projects located within the C-51 Basin which propose to discharge directly or indirectly into C-51 Canal or which are connected directly or indirectly in the C-51 Basin and which require permits pursuant to Rule 62-330.020, F.A.C., or this part shall be constructed, altered, operated, maintained and abandoned in accordance with the criteria specified in Rules 62-330.301, 62-330.302 and 40E-41.263, F.A.C., unless specifically exempted by Rule 40E-4.051, F.A.C.

(2) The criteria in Rule 40E-41.263, F.A.C., shall apply unless the applicant can demonstrate through accepted scientific and technical methodology that the purpose and intent of this rule chapter is fulfilled by the use of alternate criteria.

(3) All projects located within the C-51 Basin requiring permits pursuant to Rules 40E-6.041, F.A.C., (Works of the District, Consent Required), and Rule 40E-6.331, F.A.C., (Works of the District, Modification of Permits), shall comply with the criteria set forth in Rules 40E-6.301, F.A.C., (Works of the District, Conditions for Issuance of Permits), and Rule 40E-41.265, F.A.C., (Conditions for Issuance of Right-of-Way Permits in the C-51 Basin).

(4) The criteria in Rule 40E-41.265, F.A.C., (Conditions for Issuance of Right-of-Way Permits in the C-51 Basin), shall apply unless the applicant can demonstrate through accepted scientific and technical methodology that the purpose and intent of this rule chapter is fulfilled by the use of alternate criteria.

Rulemaking Authority 373.044, 373.113, 373.4131 FS. Law Implemented 373.085, 373.086, 373.413, 373.4131, 373.416 FS. History—New 5-15-87, Amended 4-20-94, 12-1-11, 10-1-13.

40E-41.260 Content of Application.

(1) All projects located within the C-51 Basin which require a permit from the District shall submit detailed plans showing the existing topography and proposed finished grading and detailed design calculations which demonstrate the proposed project's effect on net storage from the Basin for events up to and including the 100 year frequency event.

(2) In addition all projects in the C-51 Basin which require permits pursuant to Chapter 62-330, F.A.C., shall submit the information specified by Rule 62-330.060, F.A.C., and all projects located in the C-51 Basin which require a permit pursuant to Rule 40E-6.041, F.A.C., shall submit the information required under Rule 40E-6.101, F.A.C.

Rulemaking Authority 373.044, 373.113, 373.4131 FS. Law Implemented 373.085, 373.413, 373.4131, 373.416 FS. History—New 5-15-87, Amended 4-20-94, 12-1-11, 10-1-13.

40E-41.263 Conditions for Issuance of Permits in the C-51 Basin.

The following criteria shall apply:

(1)(a) The allowable discharge shall be based upon the post development discharge rate not exceeding the pre-development discharge rate during a design storm of a 10-year 3-day duration as depicted on Figure 41-8. Pre-development discharge rate shall be calculated by the formula:

$$Q = C_{sub e} \times A / 640$$

Where

Q = allowable flow in cubic feet per second (cfs);

A = Project size in acres;

C_{sub e} = discharge coefficient under existing/present conditions

(b) This criteria is not intended to limit inflows to the C-51 Canal to the rates specified in paragraph (a) above during non-flood conditions. Discharge capacity up to 27 cfs during non-flood conditions shall be considered on a case-by-case basis pursuant to the criteria in the “Environmental Resource Permit Applicant’s Handbook Volume II for Use Within the Geographic Limits of the South Florida Water Management District,” incorporated by reference in paragraph 40E-4.091(1)(a), F.A.C., and subparagraph 62-330.010(4)(b)5., F.A.C.

(2) Finished building floor elevations shall be above the most restrictive of the following:

(a) The 1 in 100 year storm elevations as determined by peak flood stage of the C-51 Basin as depicted on the attached Figure 41-8 ~~41-9~~,

(b) The Federal Flood Insurance Rate Map, or

(c) The on-site stage created by a 100-year 3-day storm event assuming no off-site discharge.

(3) No net encroachment into the floodplain shall be allowed. Any water storage volume removed from the floodplain must be accommodated by an equal volume of open storage compensation. Water storage volume shall be computed by utilizing Figure 41-8 ~~41-9~~. For the purposes of this part, the minimum volume of water which must be accommodated on site shall be that quantity equal to the volume stored below the level shown on Figure 41-8 ~~41-9~~ and above the existing grades. Compensation for any reduction in soil storage also shall be accommodated on site.

(4) All criteria in the “Environmental Resource Permit Applicant’s Handbook Volume II for Use Within the Geographic Limits of the South Florida Water Management District,” which is incorporated by reference in paragraph 40E-4.091(1)(a) and subparagraph 62-330.010(4)(b)5., F.A.C.

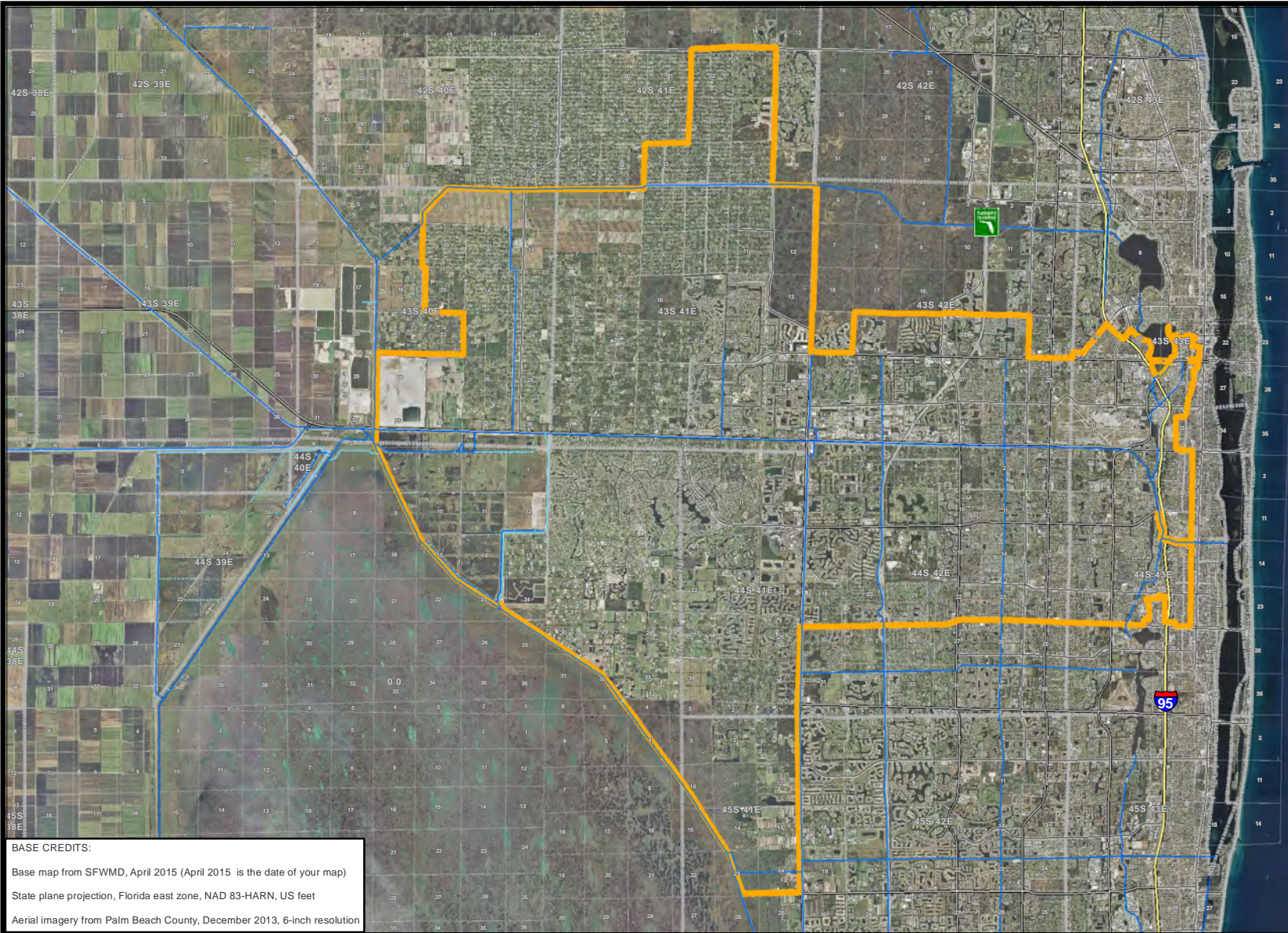
~~(5) Projects located within the Western C-51 Basin described in Rule 40E-41.223, F.A.C., (Western C-51 Basin Boundary), shall provide one half inch of dry retention/detention pretreatment as part of the required retention/detention.~~

Rulemaking Authority 373.044, 373.113, 373.4131 FS. Law Implemented 373.085, 373.086, 373.413, ~~373.4134~~, 373.416 FS. History—New 5-15-87, Amended 12-1-11, 10-1-13.

40E-41.265 Conditions for Issuance of Right-of-Way Permits in the C-51 Basin.

Any drainage connection to C-51 Canal within the C-51 Basin must be part of a surface water management system approved under Rule 40E-41.263, F.A.C.

Rulemaking Authority 373.044, 373.113 FS. Law Implemented 373.085, 373.086 FS. History—New 5-15-87, Amended 12-1-11.



Atlantic
Ocean

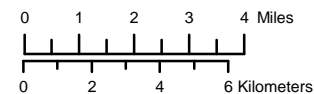
BASE CREDITS:
Base map from SFWMD, April 2015 (April 2015 is the date of your map)
State plane projection, Florida east zone, NAD 83-HARN, US feet
Aerial imagery from Palm Beach County, December 2013, 6-inch resolution



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Figure 41-5 C-51 BASIN

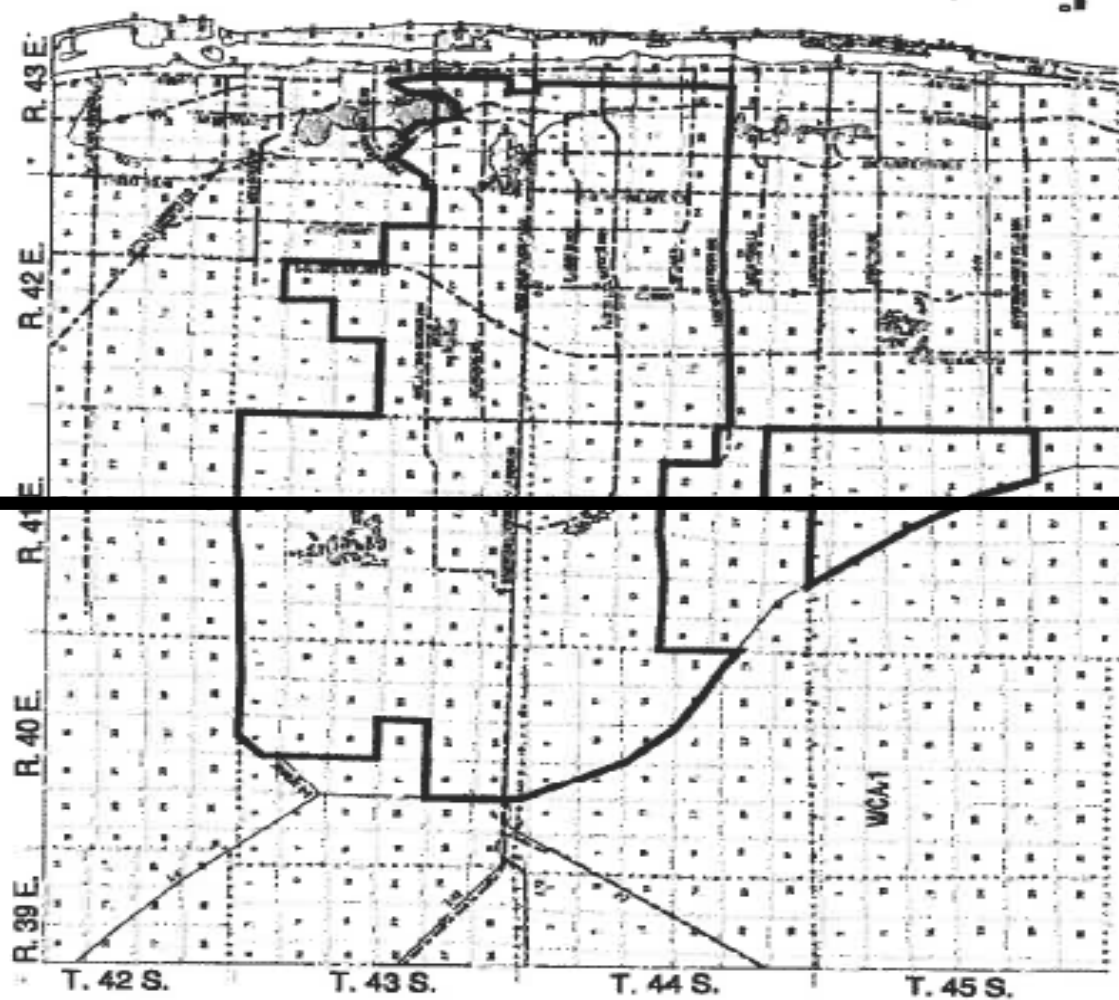


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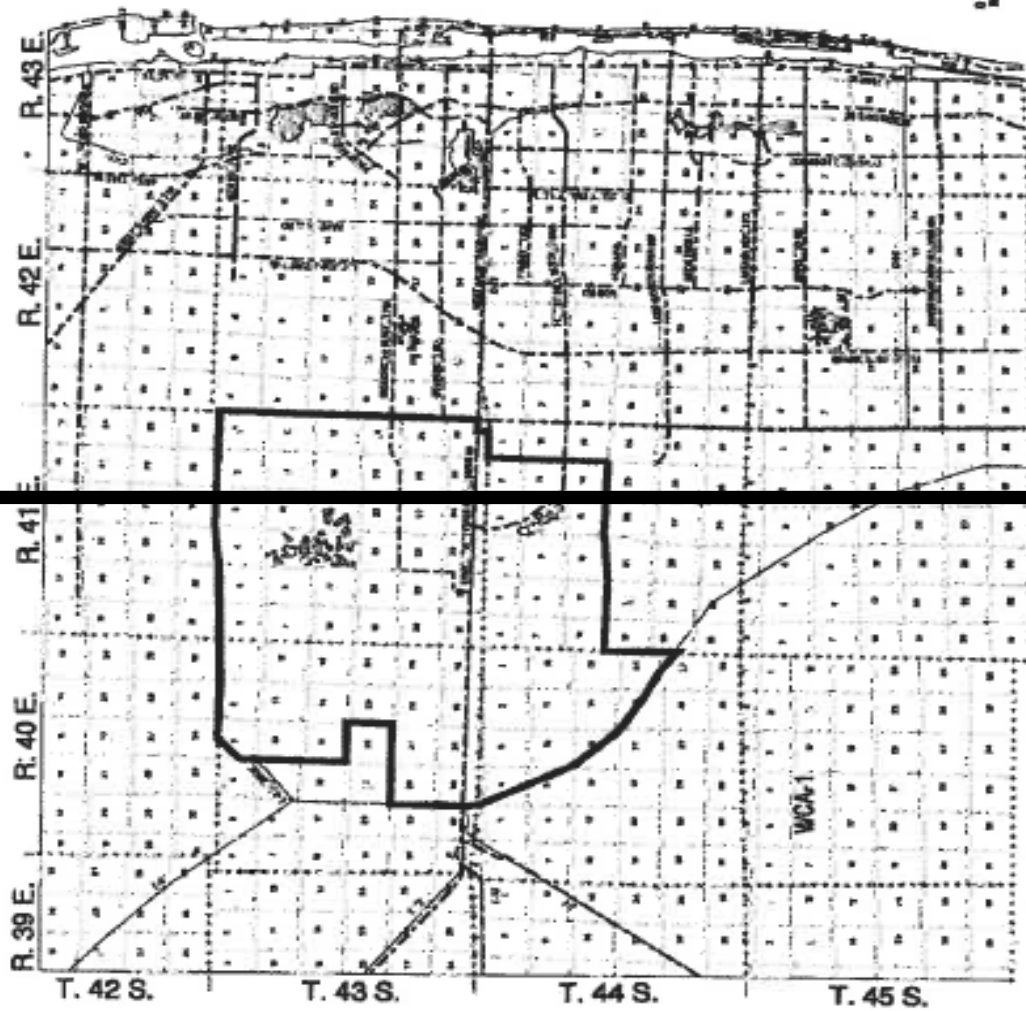
May, 2015

ATLANTIC OCEAN

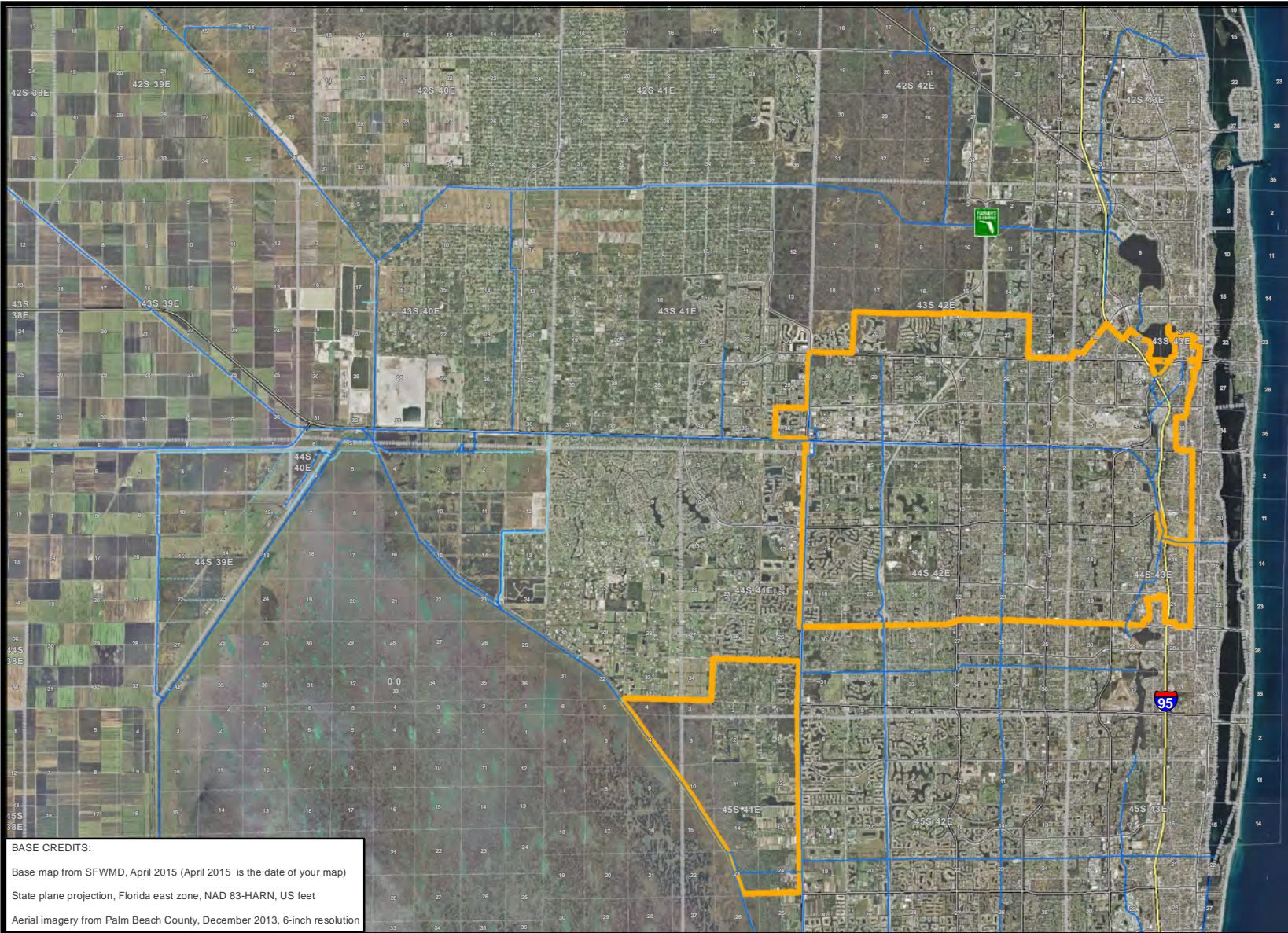


C-51 BASIN
FIGURE 41-5

ATLANTIC OCEAN



C-51 BASIN
FIGURE 41-6



Atlantic
Ocean

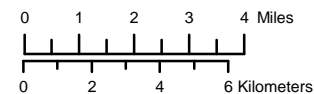
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Figure 41-7 C-51 BASIN EAST

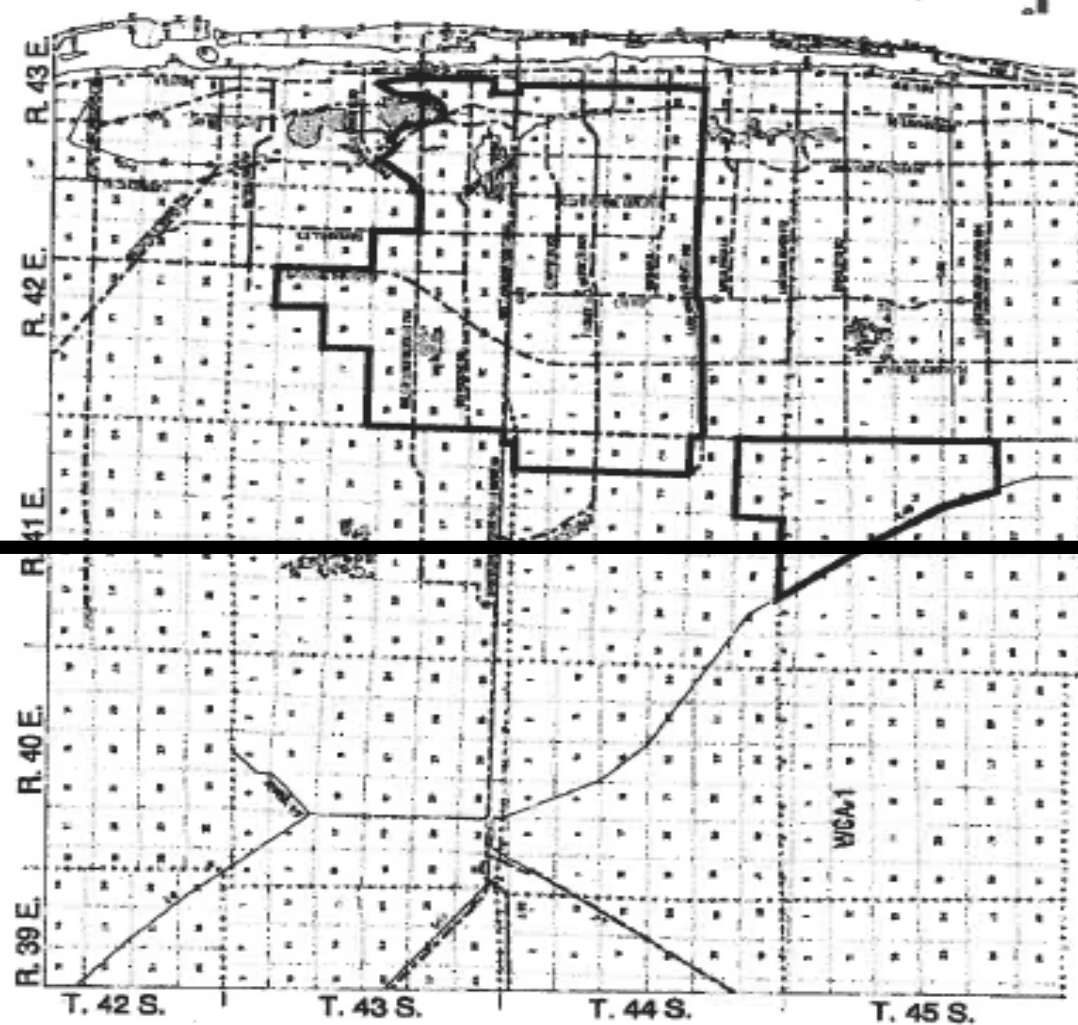


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ATLANTIC OCEAN



C-51 BASIN
FIGURE 41-7

Sub-Basin	100-yr Stage	100-yr Discharge Rates
1	20.8 ft NGVD	27.0 CSM
2A		
2B	15.4 ft NGVD	27.0 CSM
3	16.1 ft NGVD	27.0 CSM
4	17.1 ft NGVD	27.0 CSM
5	18.8 ft NGVD	27.0 CSM
6	18.8 ft NGVD	63.5 CSM
7	19.2 ft NGVD	41.5 CSM
8	20.1 ft NGVD	54.0 CSM
9	18.8 ft NGVD	27.0 CSM
10	19.2 ft NGVD	27.0 CSM
11	19.2 ft NGVD	27.0 CSM
12	19.2 ft NGVD	27.0 CSM
13	17.0 ft NGVD	29.0 CSM
14	17.0 ft NGVD	29.0 CSM
15A	18.4 ft NGVD	70.0 CSM
15B	20.2 ft NGVD	0.0 CSM
16A	18.4 ft NGVD	27.0 CSM
16B-1	20.2 ft NGVD	27.0 CSM
16B-2	20.4 ft NGVD	27.0 CSM
16B-3	19.9 ft NGVD	27.0 CSM
17	16.1 ft NGVD	27.0 CSM
18	16.1 ft NGVD	27.0 CSM
20A	17.6 ft NGVD	27.0 CSM
20B	17.1 ft NGVD	35.0 CSM
21A	18.0 ft NGVD	0.0 CSM
21B	18.2 ft NGVD	27.0 CSM
22	18.1 ft NGVD	35.0 CSM
23	17.4 ft NGVD	35.0 CSM
24	18.0 ft NGVD	35.0 CSM
25A	14.1 ft NGVD	35.0 CSM
25B	14.2 ft NGVD	35.0 CSM
26	14.0 ft NGVD	35.0 CSM
27	14.3 ft NGVD	35.0 CSM
28	13.1 ft NGVD	35.0 CSM
29A	14.3 ft NGVD	35.0 CSM
29B	15.0 ft NGVD	35.0 CSM
30	13.5 ft NGVD	35.0 CSM
31	12.7 ft NGVD	35.0 CSM
32	12.9 ft NGVD	35.0 CSM
33	12.7 ft NGVD	35.0 CSM
34	12.6 ft NGVD	35.0 CSM
35	13.2 ft NGVD	35.0 CSM
36	14.1 ft NGVD	35.0 CSM
37	16.5 ft NGVD	35.0 CSM
38	19.0 ft NGVD	27.0 CSM
39	13.5 ft NGVD	35.0 CSM
Sect 24	17.1 ft NGVD	27.0 CSM

BASE CREDITS:

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State plane projection, Florida east zone, NAD 83-HARN, US feet

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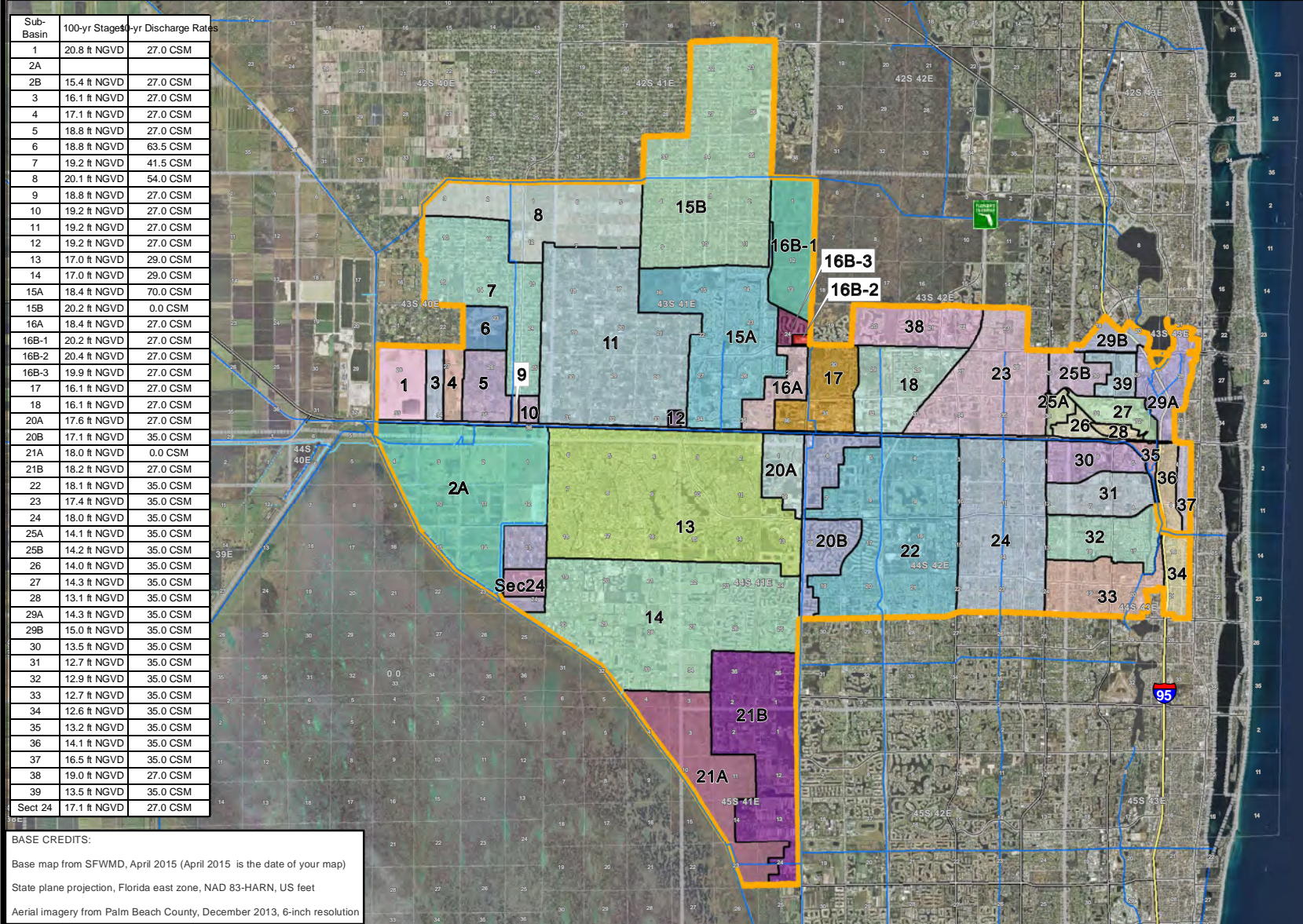
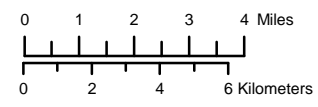


Figure 41-8 C-51 BASIN DESIGN CRITERIA

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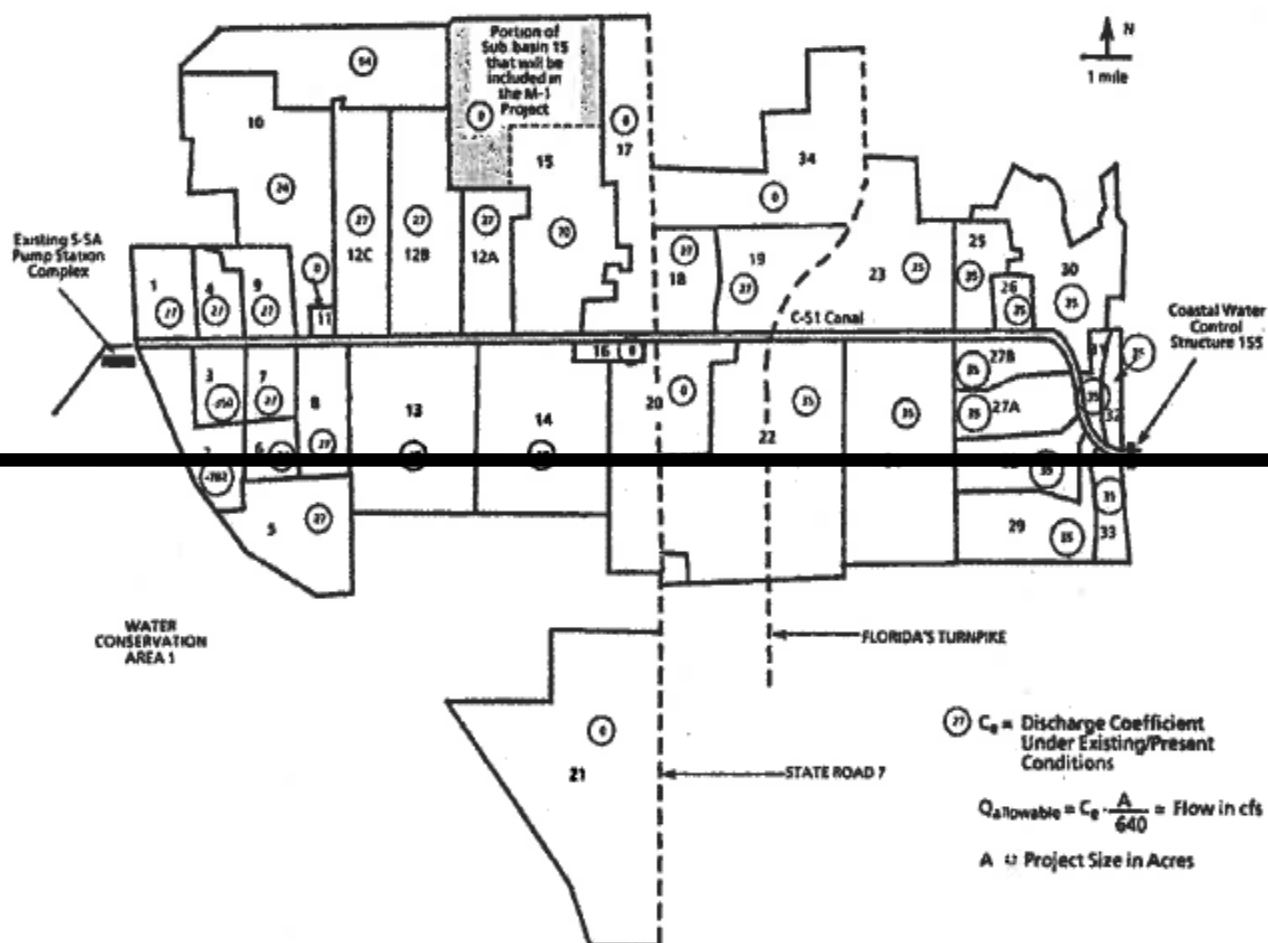
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May, 2015



Discharge Coefficients for the Sub-basins of the C-51 Basin in Palm Beach County, Florida.
Figure 41-8

