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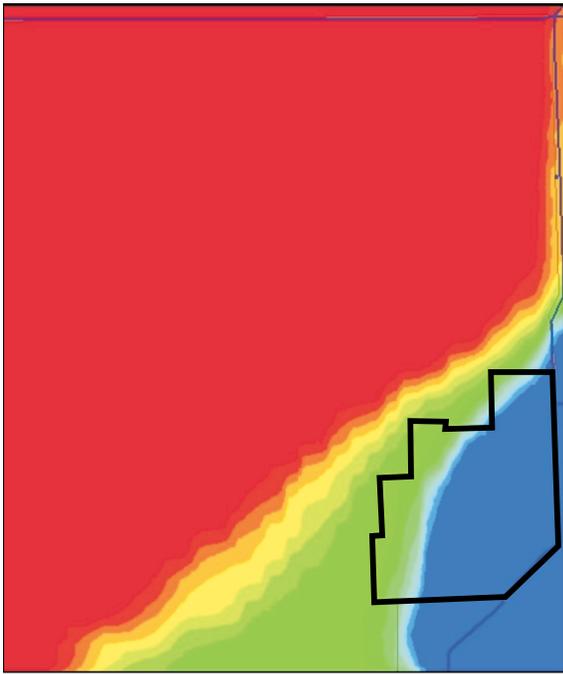
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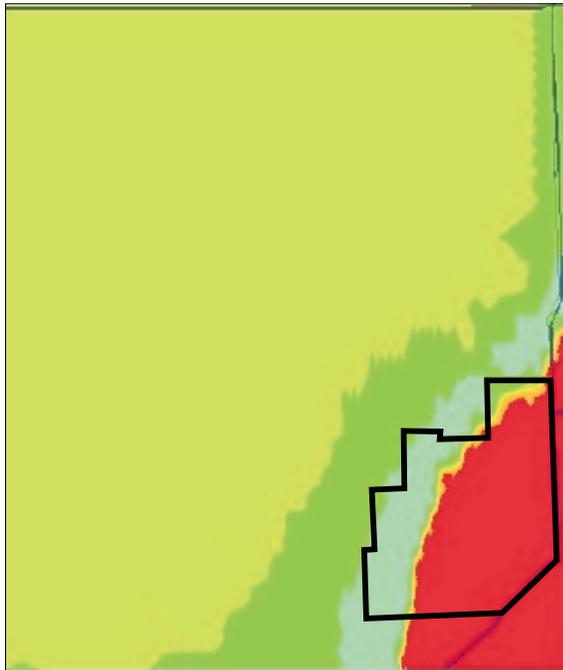
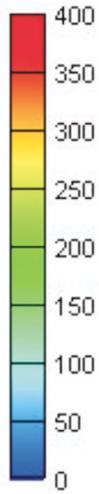
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Figure 28. Simulated Wetland Hydroperiods and Substrate Conditions – Alternative No. 6B

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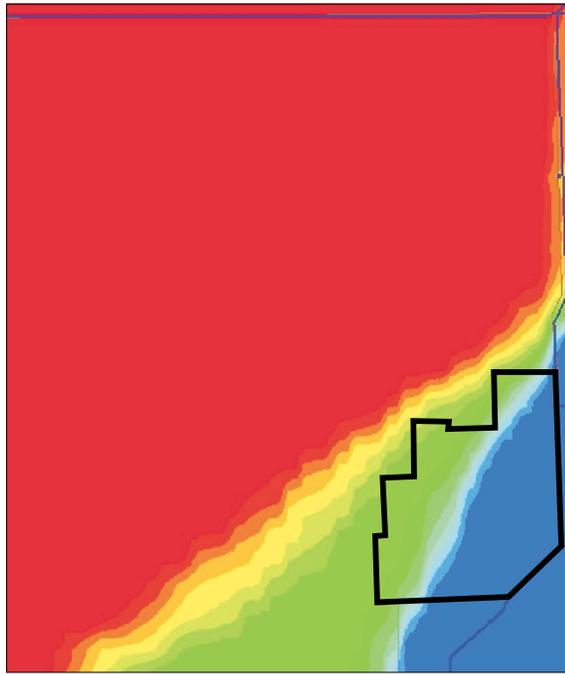
HYDROPERIOD



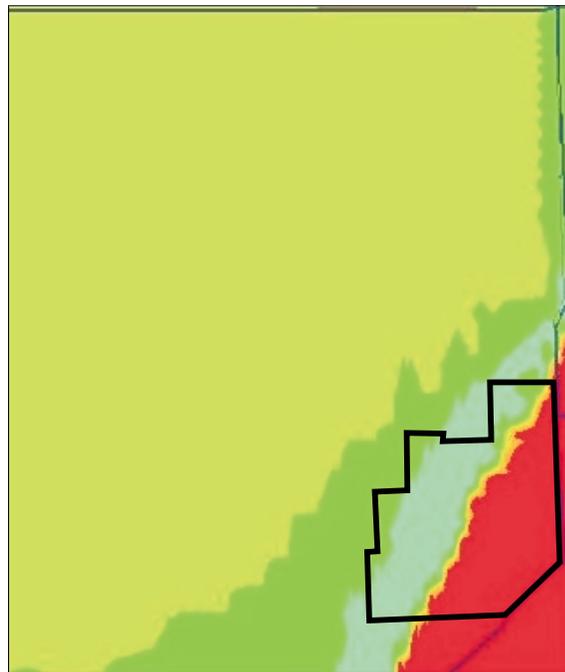
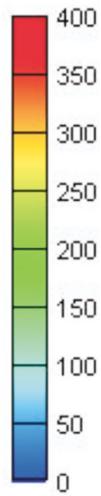
WETLANDS

-  **Peat-Forming:** Depth > 2', Hydroperiod > 180 days
-  **Peat-Forming:** -1' < Depth <+2', Hydroperiod > 180 days
-  **Marl-Forming:** -1' < Depth <+2', 30 < Hydroperiod < 180 days
-  **Upland**

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
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**FIGURE 28 - SIMULATED WETLAND HYDRO-
 PERIODS AND SUBSTRATE CONDITIONS
 ALTERNATIVE 6B**
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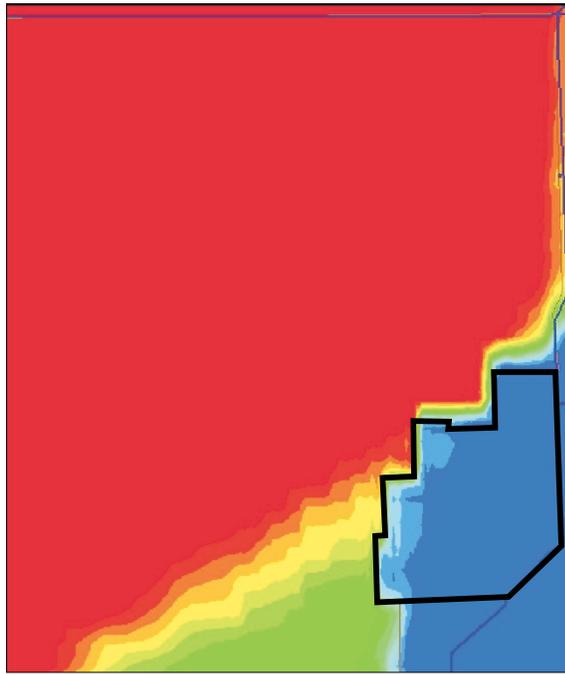
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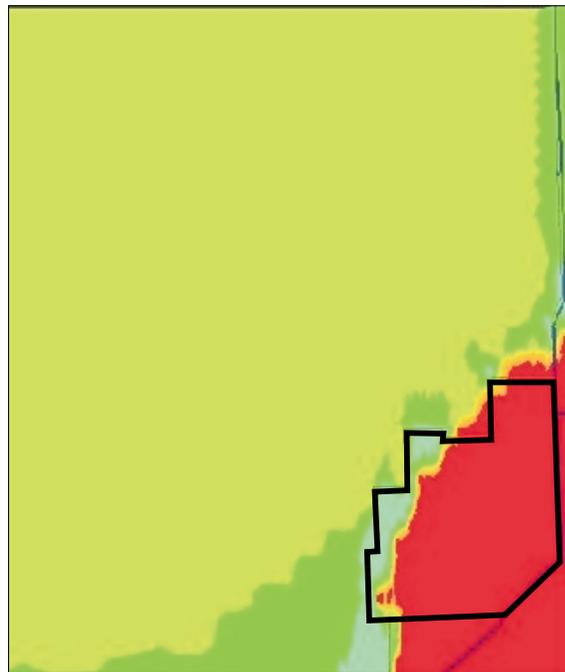
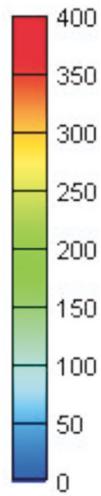
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CENTRAL AND SOUTHERN FLORIDA
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**FIGURE 27 - SIMULATED WETLAND HYDRO-
 PERIODS AND SUBSTRATE CONDITIONS
 ALTERNATIVES 4, 5, & 7**
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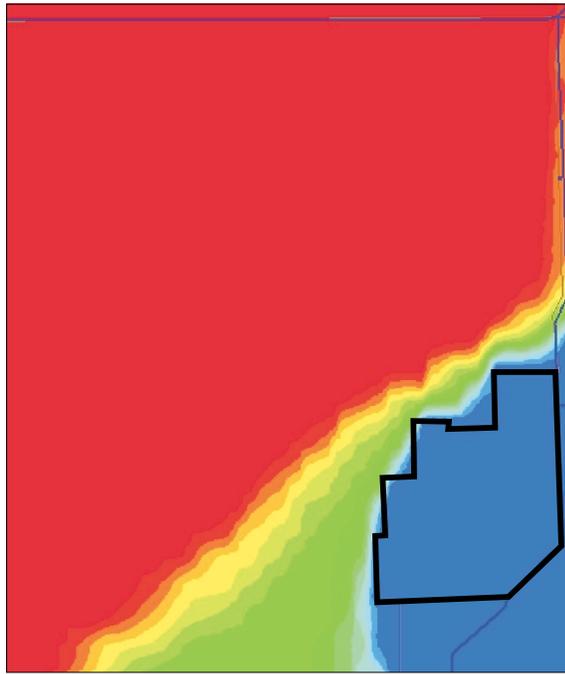
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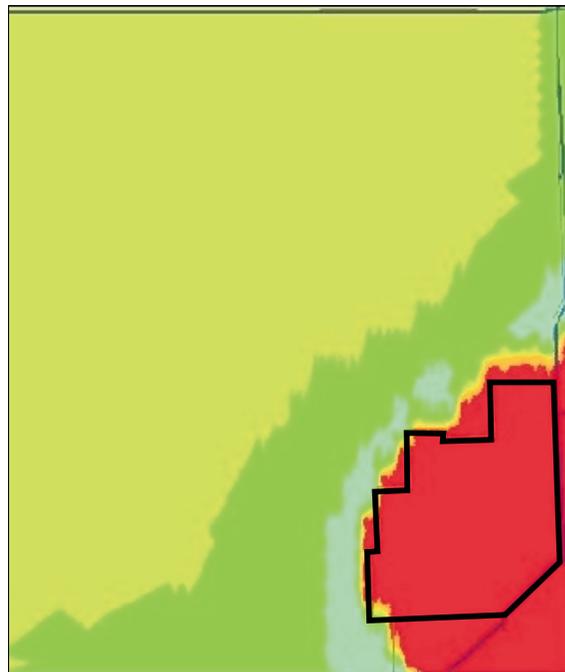
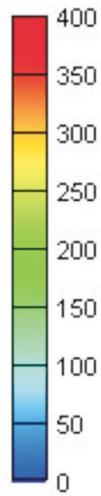
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Hydroperiod > 180 days
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CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
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 8.5 SQUARE MILE AREA
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 PERIODS AND SUBSTRATE CONDITIONS
 ALTERNATIVE 3**
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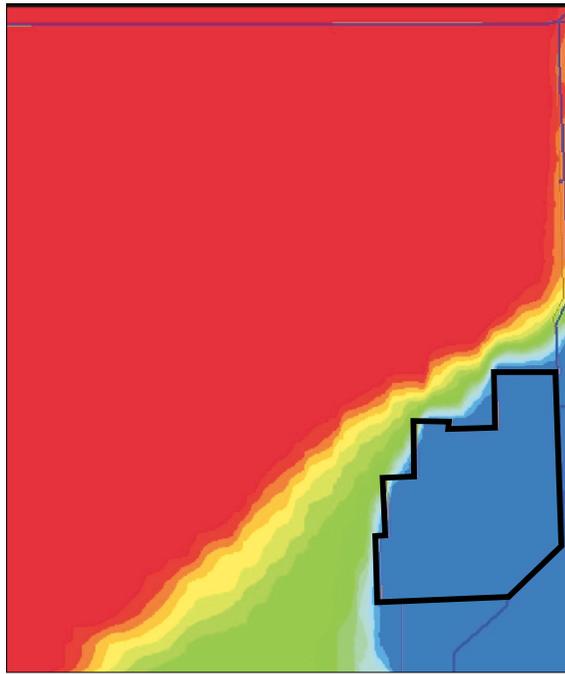
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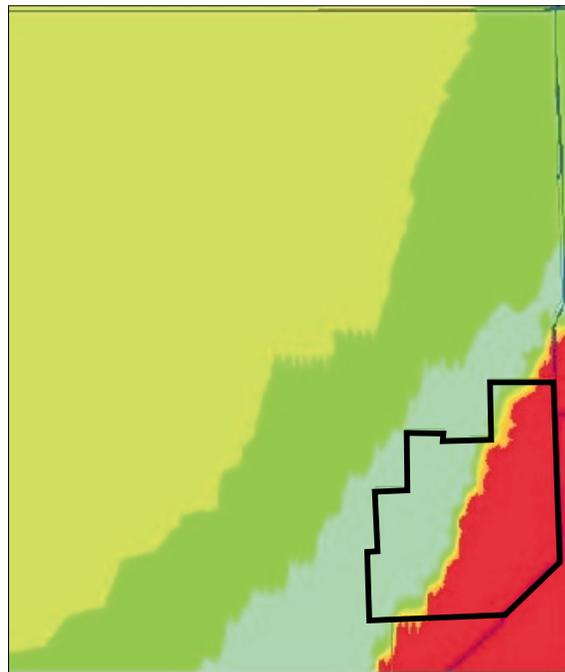
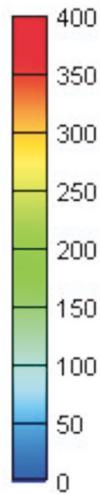
WETLANDS

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Hydroperiod > 180 days
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Hydroperiod > 180 days
-  **Marl-Forming:** -1' < Depth < +2',
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CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
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 8.5 SQUARE MILE AREA
**FIGURE 25 - SIMULATED WETLAND HYDRO-
 PERIODS AND SUBSTRATE CONDITIONS
 ALTERNATIVES 2B & 9**
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HYDROPERIOD

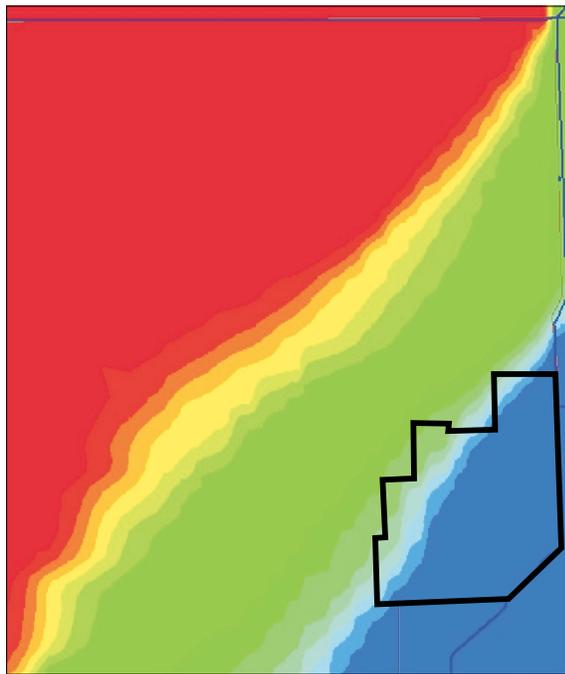


WETLANDS

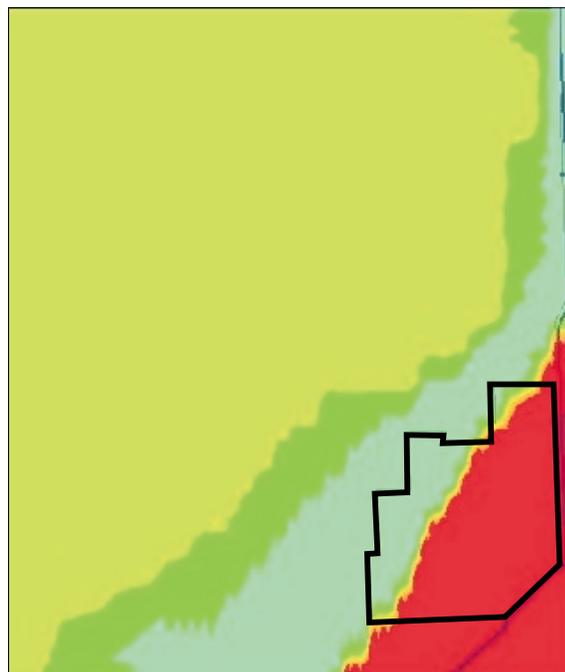
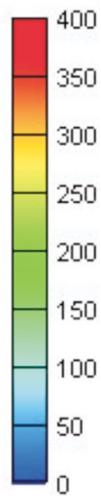
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Hydroperiod > 180 days
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Hydroperiod > 180 days
-  **Marl-Forming:** -1' < Depth < +2',
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-  **Upland**

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA
**FIGURE 24 - SIMULATED WETLAND HYDRO-
 PERIODS AND SUBSTRATE CONDITIONS
 ALTERNATIVE 1**
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HYDROPERIOD

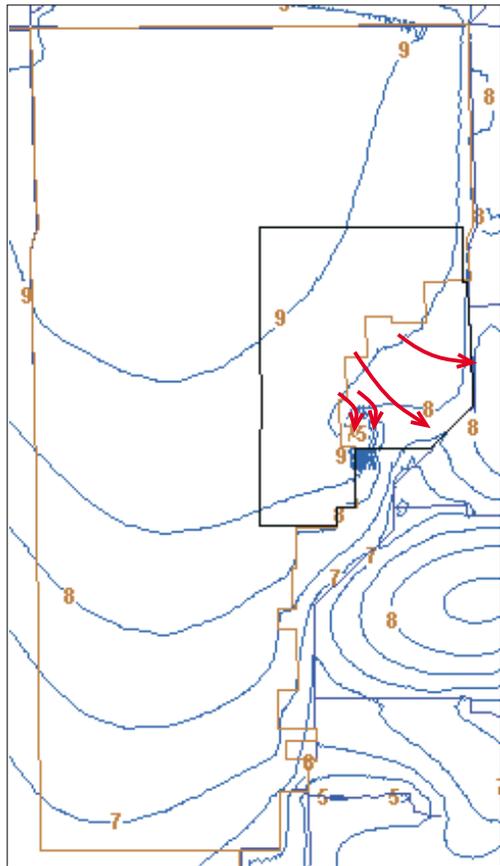


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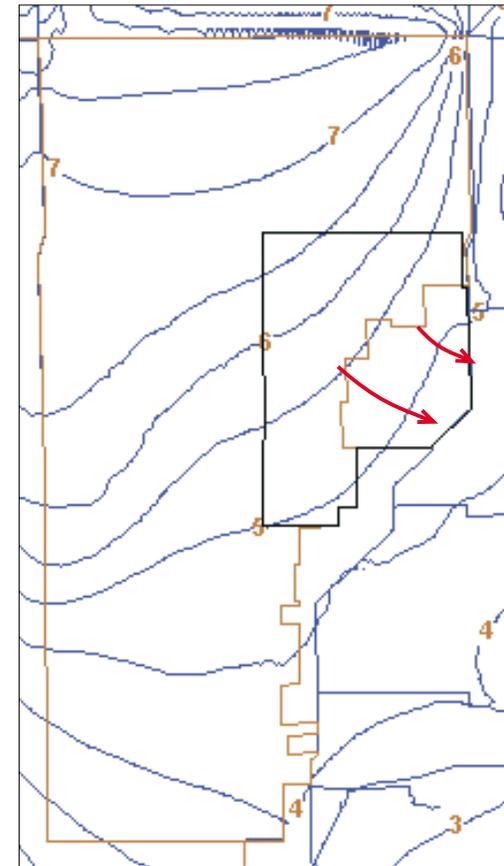
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CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
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 8.5 SQUARE MILE AREA
**FIGURE 23 - SIMULATED WETLAND HYDRO-
 PERIODS AND SUBSTRATE CONDITIONS
 EXISTING CONDITIONS**
 DEPARTMENT OF THE ARMY
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 FILE NO.



Wet 95

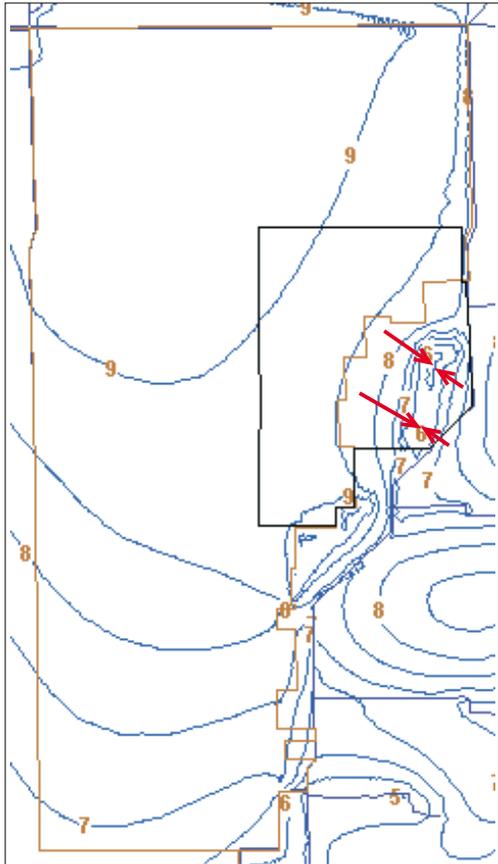


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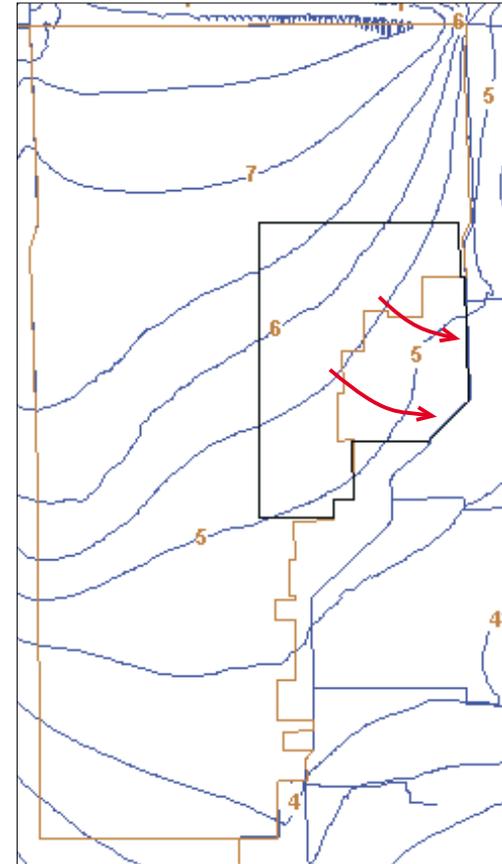
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA
**FIGURE 22 - SIMULATED WATER
 ELEVATION CONTOURS
 ALTERNATIVE 8A**
 DEPARTMENT OF THE ARMY
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 FILE NO.



Wet 95

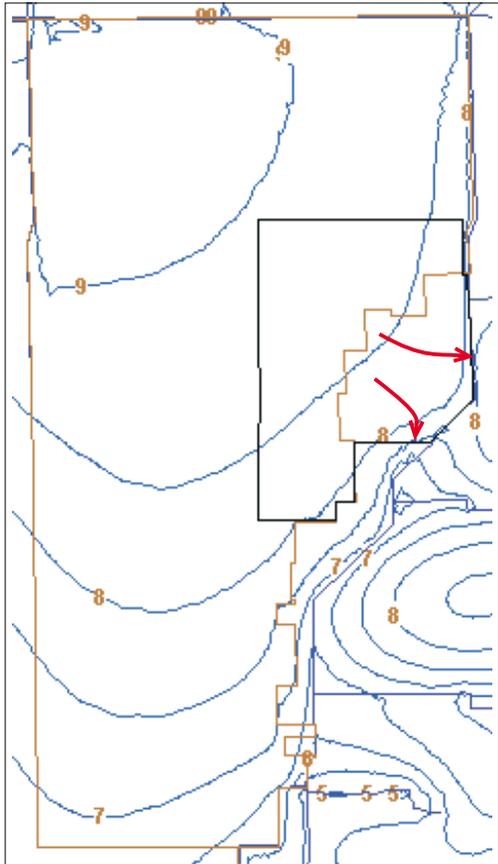


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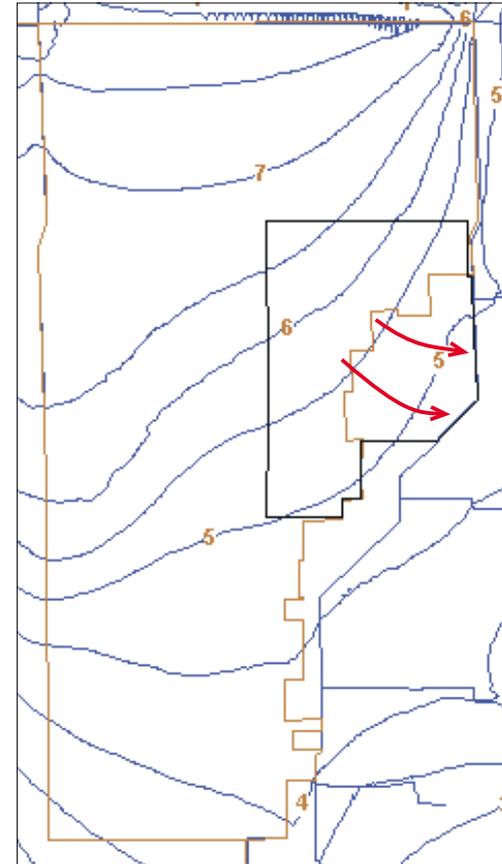
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
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**FIGURE 21 - SIMULATED WATER
 ELEVATION CONTOURS
 ALTERNATIVE 6B**
 DEPARTMENT OF THE ARMY
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 JACKSONVILLE, FLORIDA

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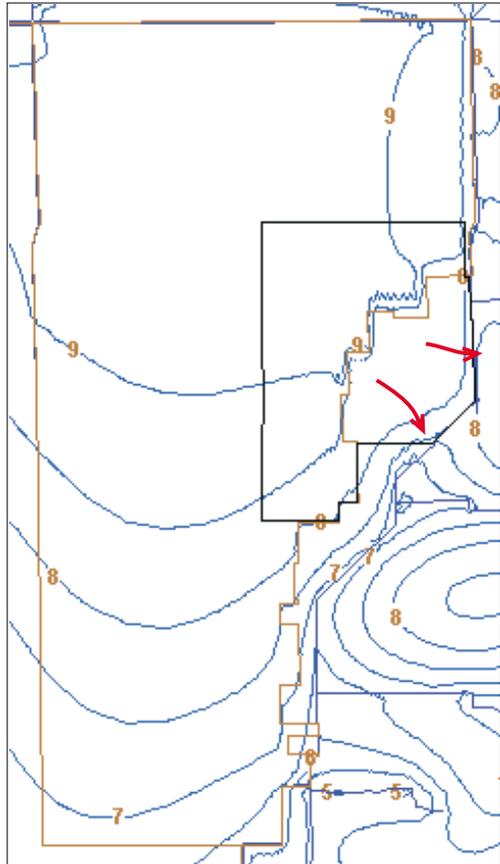


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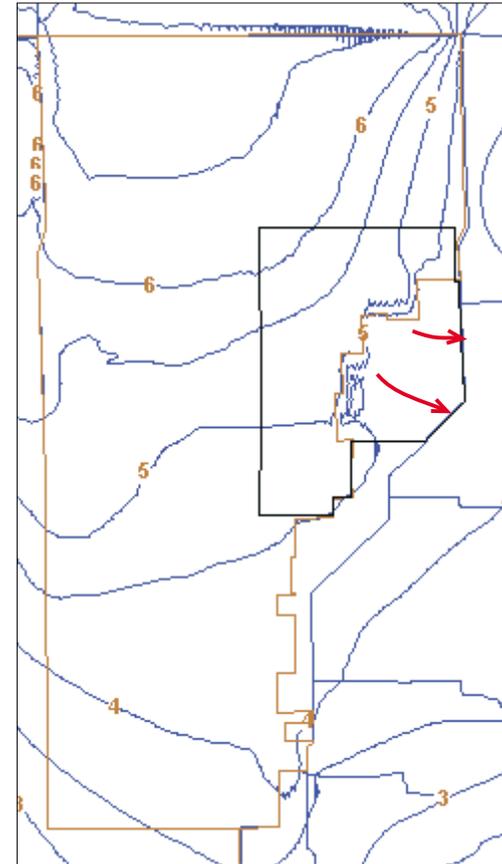
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
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**FIGURE 20 - SIMULATED WATER
 ELEVATION CONTOURS
 ALTERNATIVES 4, 5, & 7**
 DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

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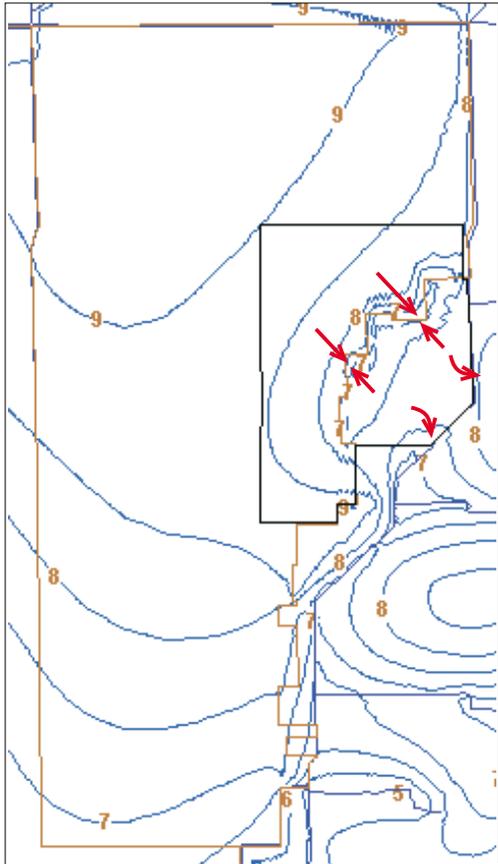


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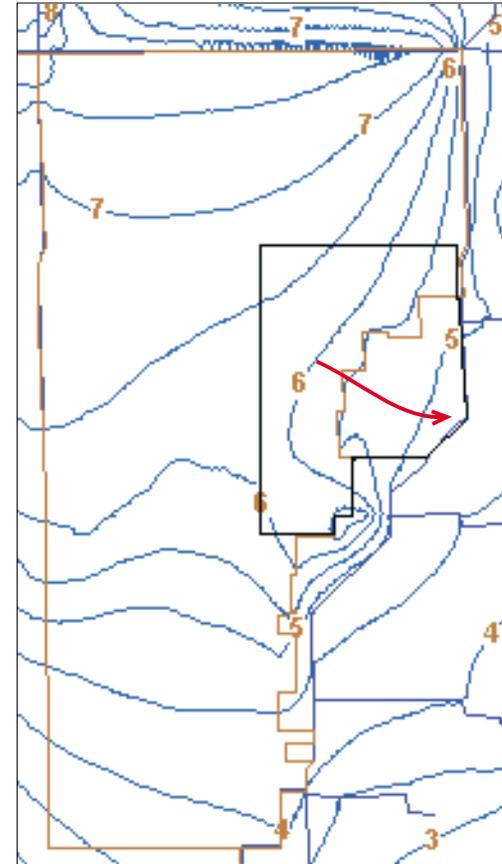
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA
**FIGURE 19 - SIMULATED WATER
 ELEVATION CONTOURS
 ALTERNATIVE 3**
 DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

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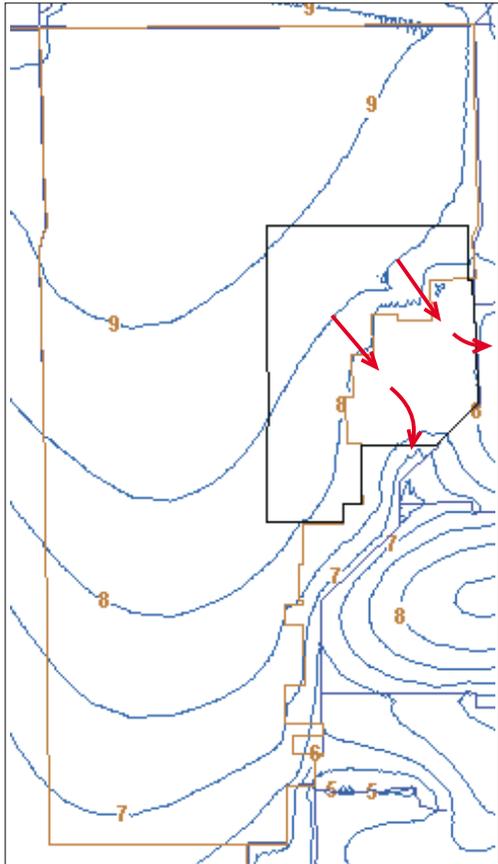


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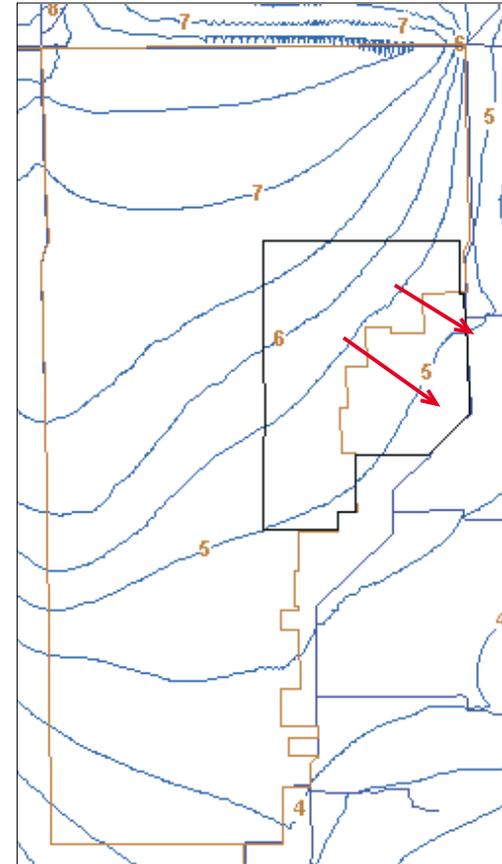
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
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**FIGURE 18 - SIMULATED WATER
 ELEVATION CONTOURS
 ALTERNATIVES 2B & 9**
 DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

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 FILE NO.



Wet 95

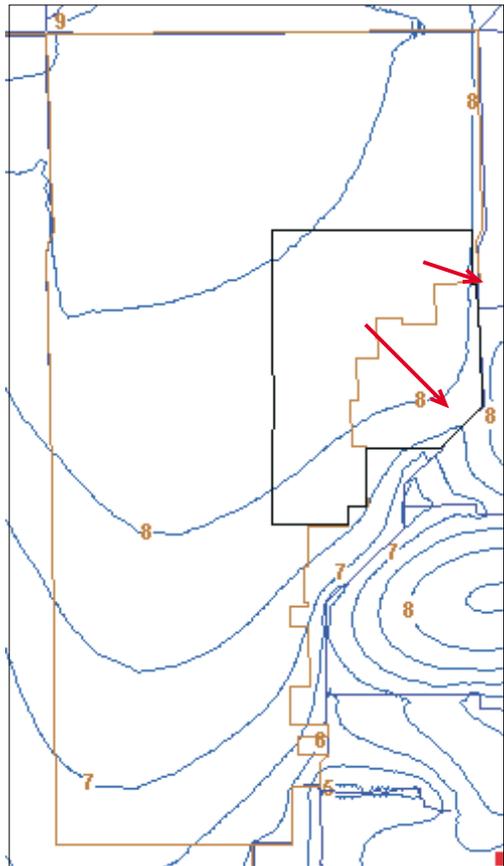


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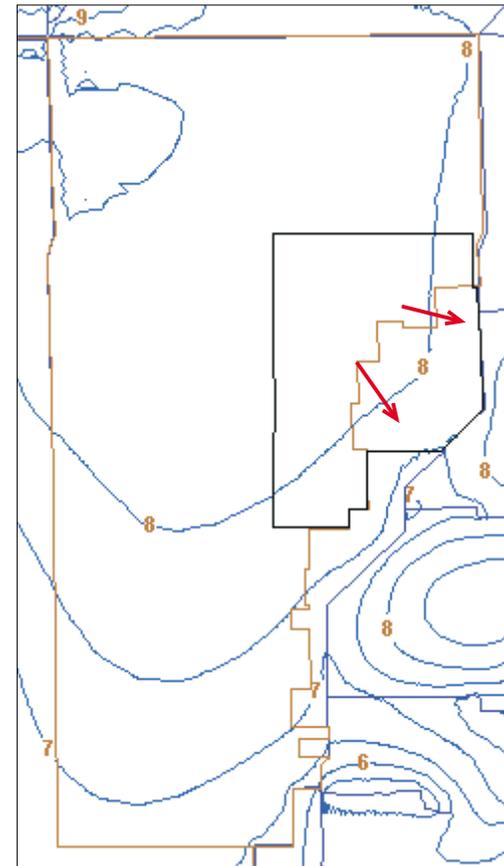
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA
**FIGURE 17 - SIMULATED WATER
 ELEVATION CONTOURS
 ALTERNATIVE 1**
 DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

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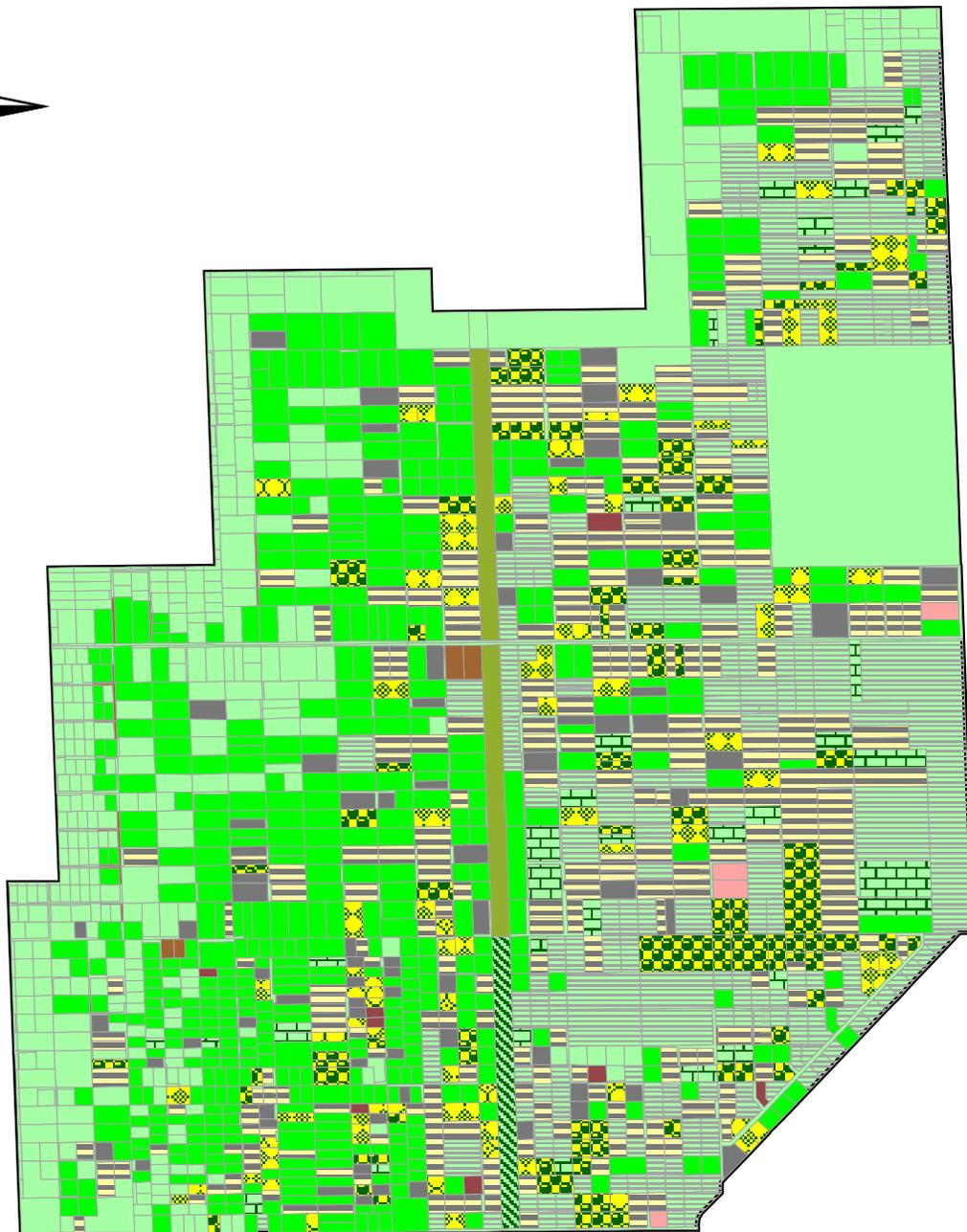
→ Flow Direction

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

**FIGURE 16 - SIMULATED WATER
 ELEVATION CONTOURS - EXISTING**

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 JACKSONVILLE, FLORIDA

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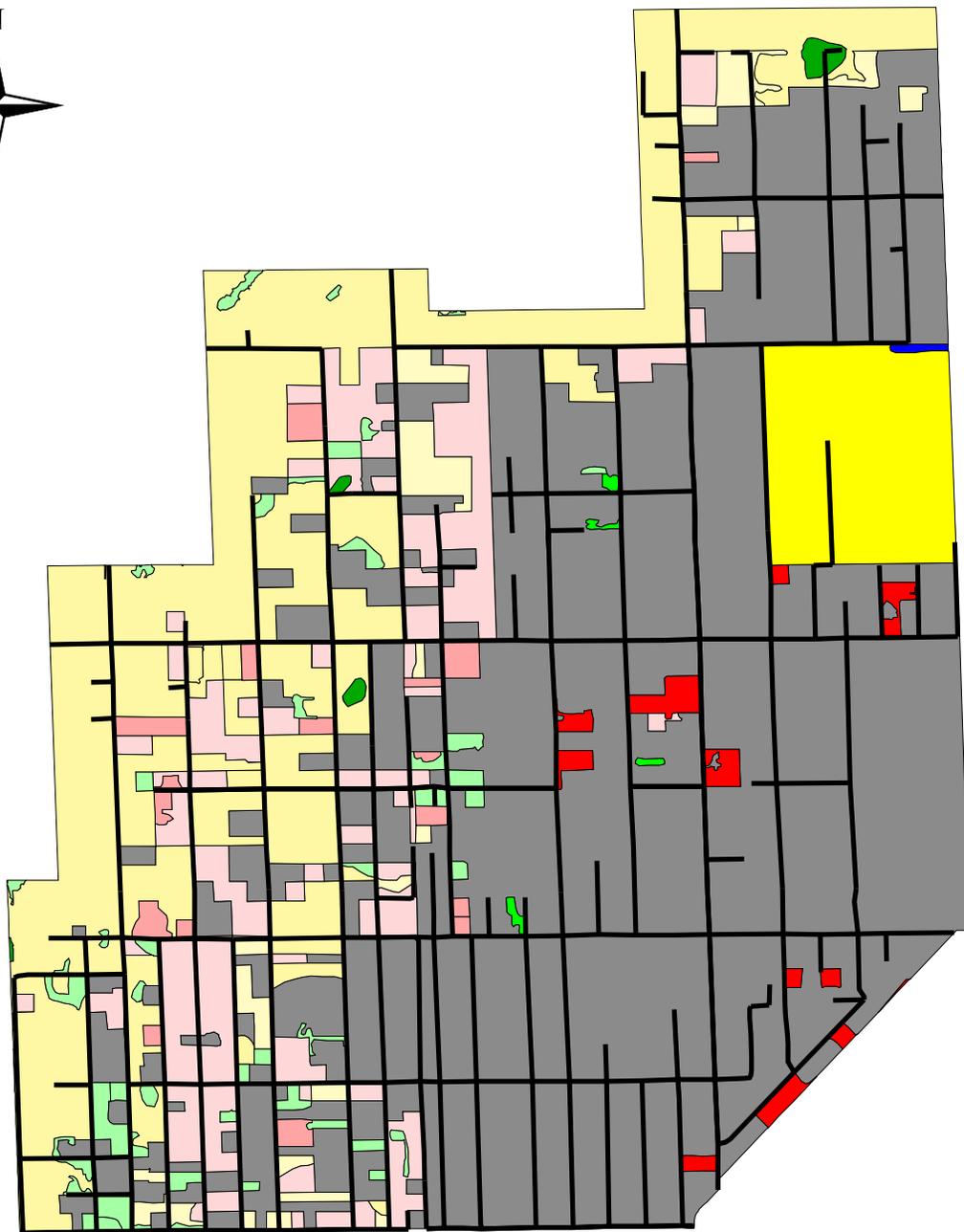
-  Commercial
-  Mixed Agriculture
-  Mixed Agriculture/Utility
-  Nursery
-  Public
-  Residential
-  Residential with Agriculture
-  Row Crop
-  Rural Land in Transition
-  Specialty Farm
-  Tree Crop
-  Undedicated ROW
-  Utilities
-  Vacant

CENTRAL AND SOUTHERN FLORIDA
MODIFIED WATER DELIVERIES TO
EVERGLADES NATIONAL PARK, FLORIDA
8.5 SQUARE MILE AREA

FIGURE 15
EXISTING LAND USE

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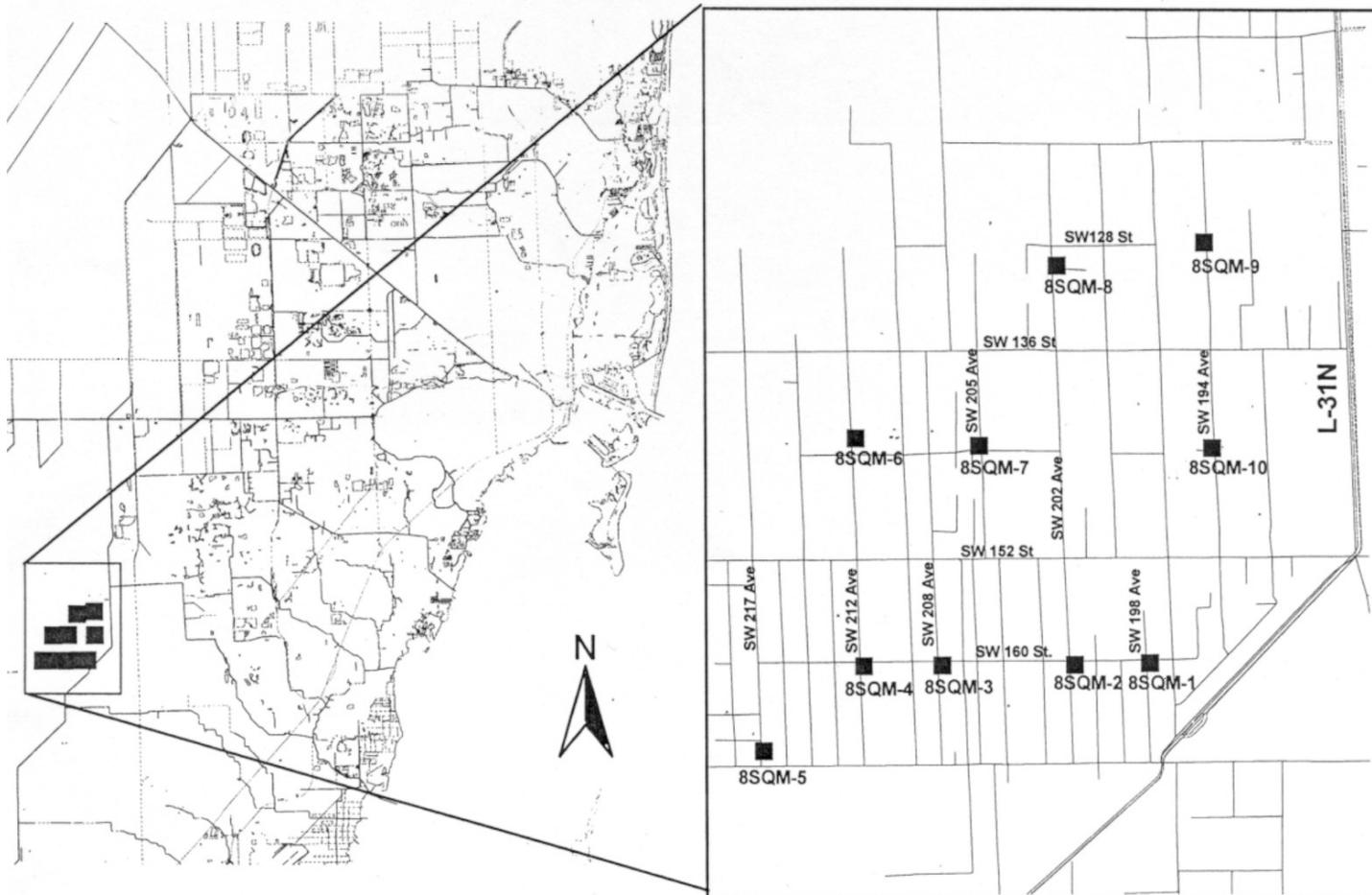
- Agricultural/Residential
- Forested Native Wetland (<7.0 ft elev)
- Forested Exotic Wetland (7-7.5 ft elev)
- Forested Exotic Wetland (<7.0 ft elev)
- Graminoid Wetland (<7.0 ft elev)
- Graminoid Wetland (7.0-7.5 ft elev)
- Herbaceous Wetland - High Soil Disturbance (<7.0 ft elev)
- Herbaceous Wetland - Low to Mod. Soil Disturbance (<7.0 ft e
- Shrubby Wetland (<7.0 ft elev)
- Upland Forest/Shrub Complex
- Open Water

CENTRAL AND SOUTHERN FLORIDA
MODIFIED WATER DELIVERIES TO
EVERGLADES NATIONAL PARK, FLORIDA
8.5 SQUARE MILE AREA

FIGURE 13
VEGETATIVE COMMUNITIES

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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FILE NO: _____



CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

**FIGURE 12 - SURFACE (STANDING)
 WATER SAMPLING SITES**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

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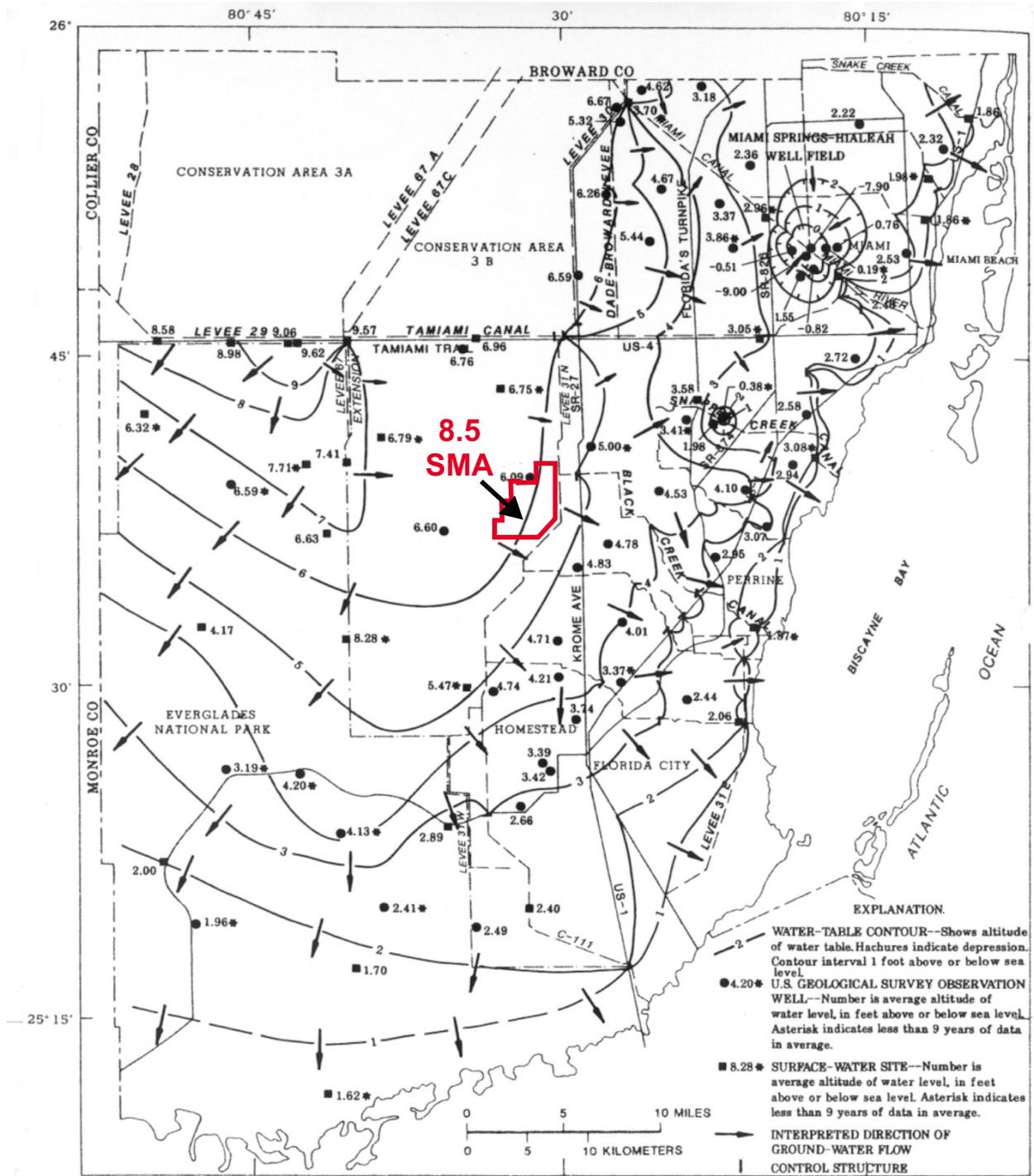


Figure 18. Average configuration of the water table in Dade County in September and interpreted directions of ground-water flow based on the period 1974-82.

CENTRAL AND SOUTHERN FLORIDA
MODIFIED WATER DELIVERIES TO
EVERGLADES NATIONAL PARK, FLORIDA
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FIGURE NO. 11
AVERAGE WET SEASON WATER TABLE

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
FILE NO. _____

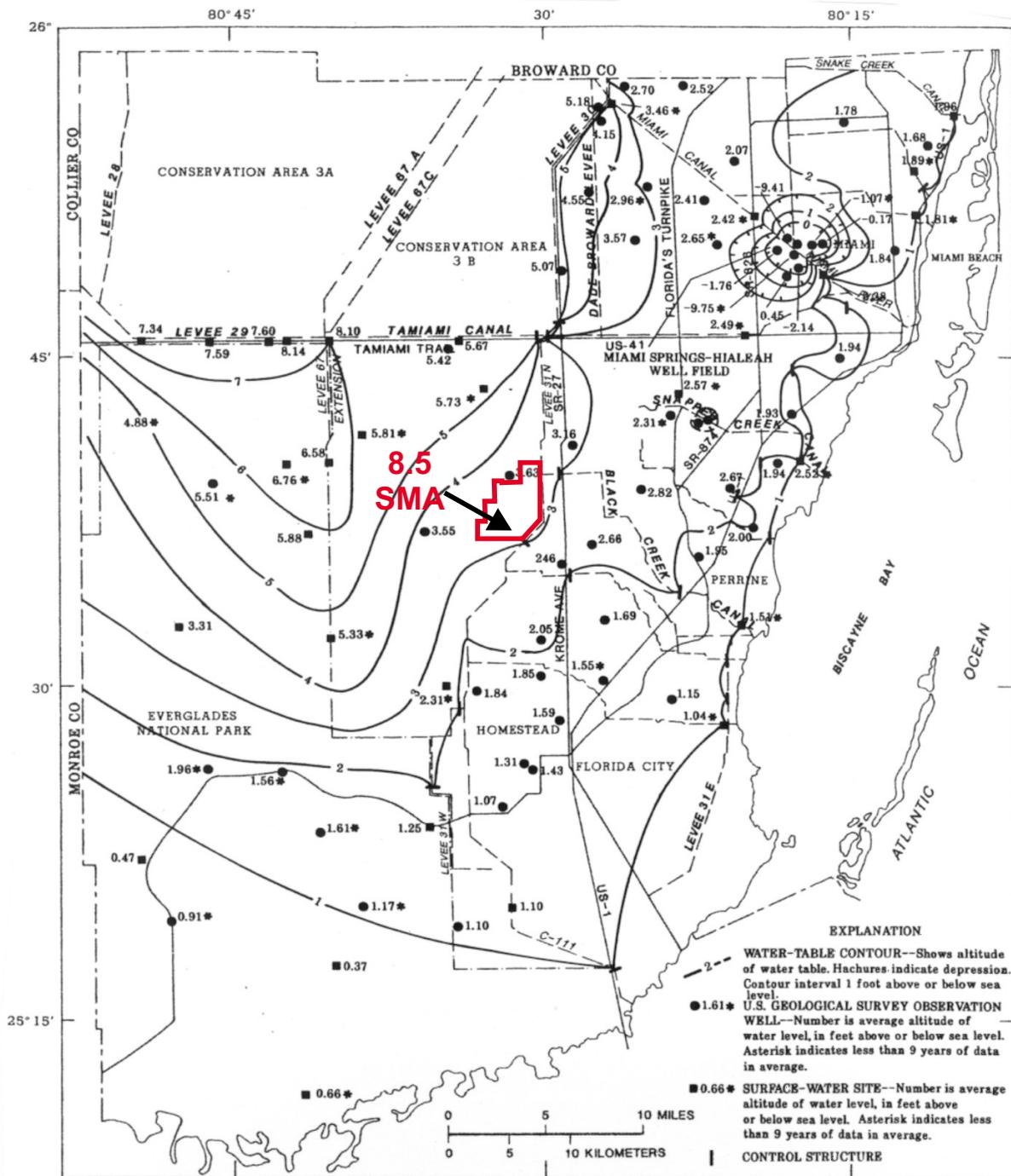


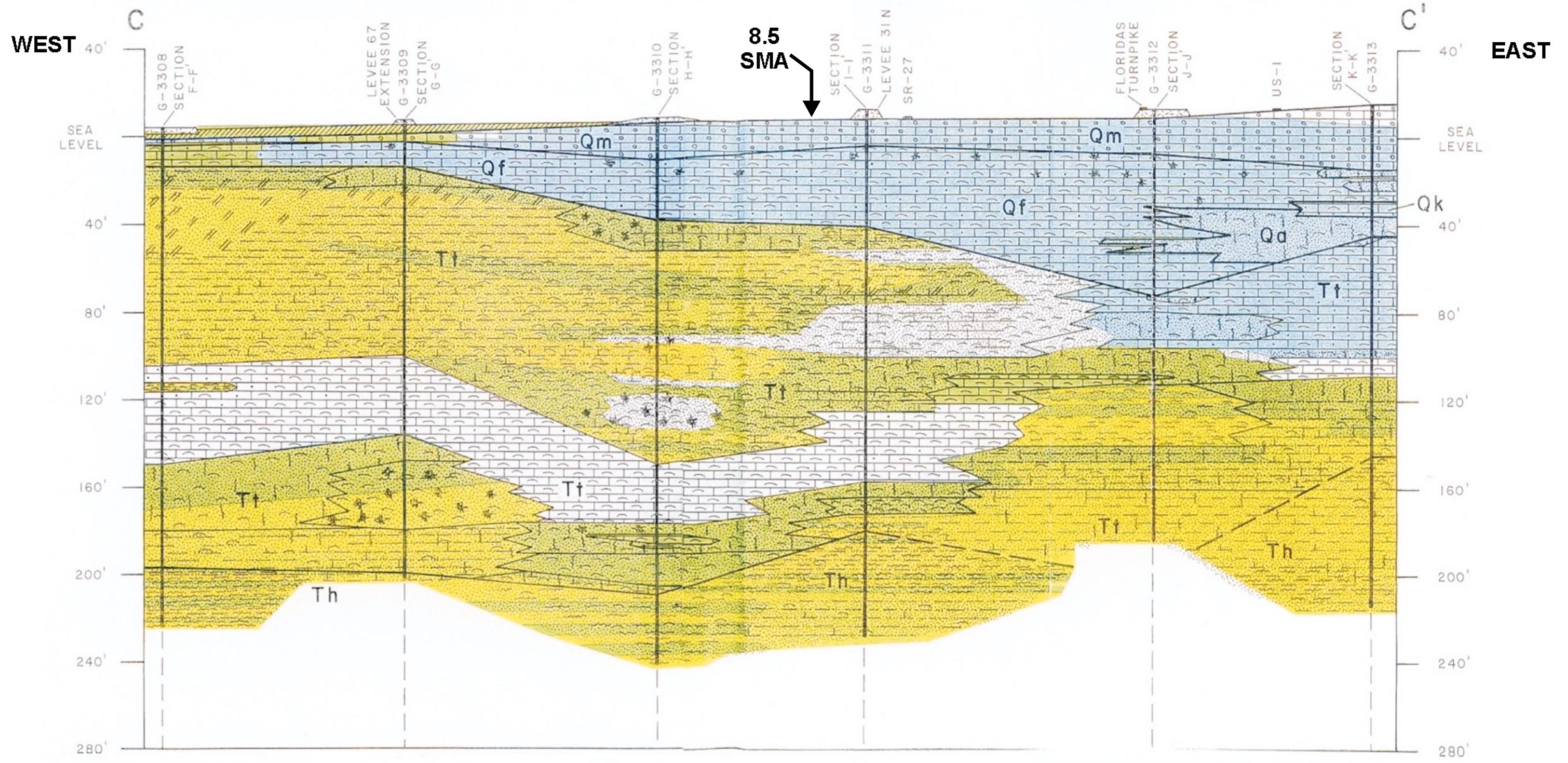
Figure 19. Average configuration of the water table in Dade County in April based on the period 1974-82.

CENTRAL AND SOUTHERN FLORIDA
MODIFIED WATER DELIVERIES TO
EVERGLADES NATIONAL PARK, FLORIDA
8.5 SQUARE MILE AREA

**FIGURE NO. 10
AVERAGE DRY SEASON WATER TABLE**

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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FILE NO. _____



EXPLANATION

- | | | | |
|--|-------------------------|--|---------------------------------|
| | Fill | | Freshwater shells |
| | Peat or muck | | Silt |
| | Sand | | Clay |
| | Sandstone | | Claystone or siltstone |
| | Detrital carbonate sand | | Micrite, lime mud |
| | Rock fragments | | Limestone |
| | Concretions | | Oolitic limestone |
| | Marine shells | | Coralline limestone, biolithite |

GEOLOGIC FORMATIONS

- | | |
|-----|---|
| Ql | Lake Flirt Marl |
| Qp | Pamlico Sand |
| Qm | Miami Oolite |
| Qa | Anastasia Formation |
| Qk | Key Largo Limestone |
| Qf | Fort Thompson Formation |
| Tt | Tamiami Formation |
| Th | Hawthorn Formation |
| Tth | Tamiami Formation and Hawthorn Formation undifferentiated |

RANGE OF HYDRAULIC CONDUCTIVITY, IN FEET PER DAY

- | | |
|--|--------------------------------|
| | Greater than or equal to 1,000 |
| | 100 to 1,000 |
| | 10 to 100 |
| | 0.1 to 10 |
| | Less than or equal to 0.1 |

G-3295

Test well and number

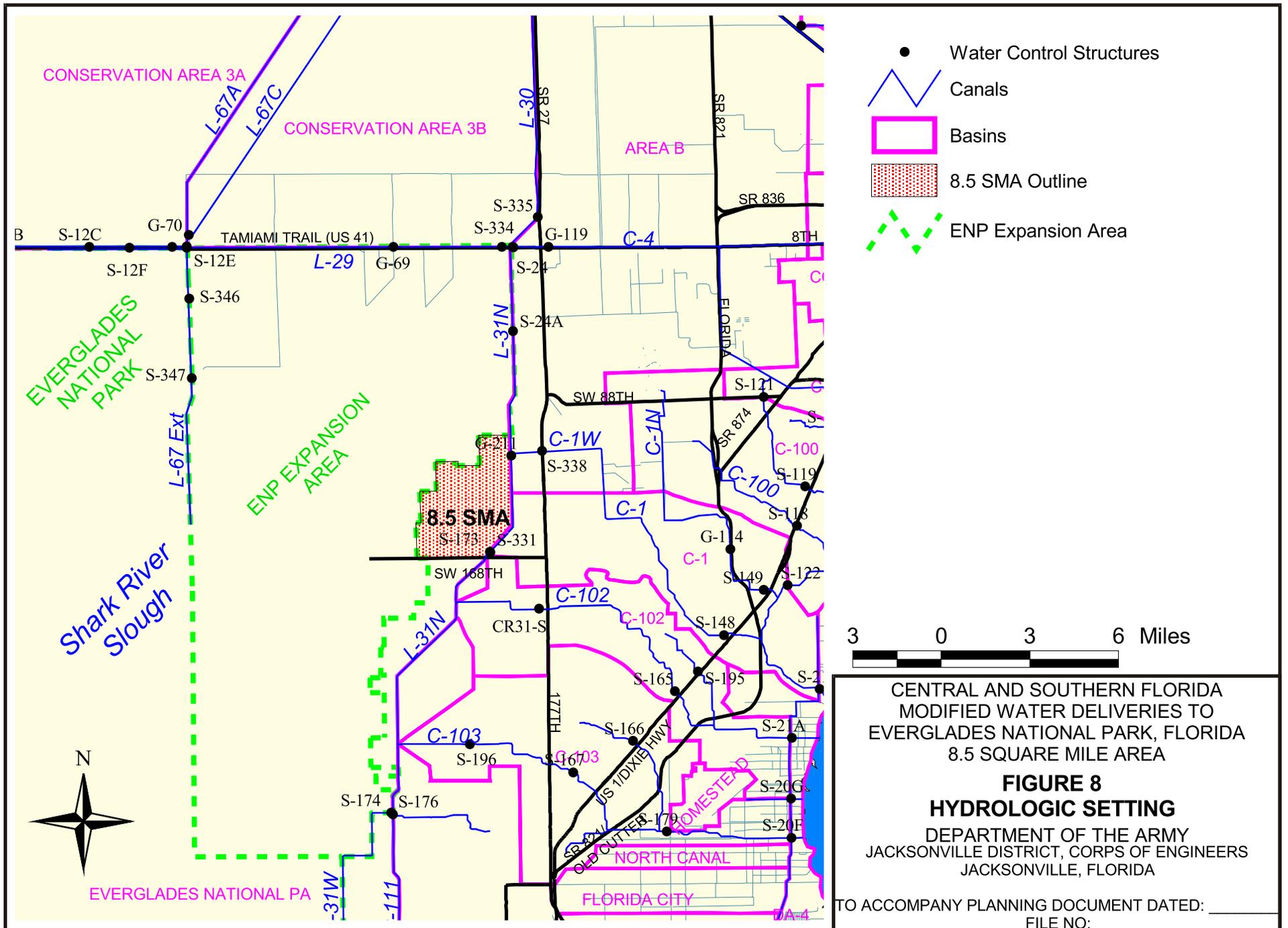
Formation boundary

CENTRAL AND SOUTHERN FLORIDA
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EVERGLADES NATIONAL PARK, FLORIDA
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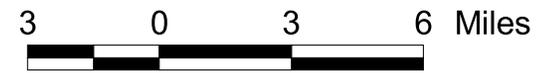
FIGURE 9
HYDROGEOLOGIC CROSS-SECTION

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- Water Control Structures
- Canals
- Basins
- ▨ 8.5 SMA Outline
- - - ENP Expansion Area



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 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

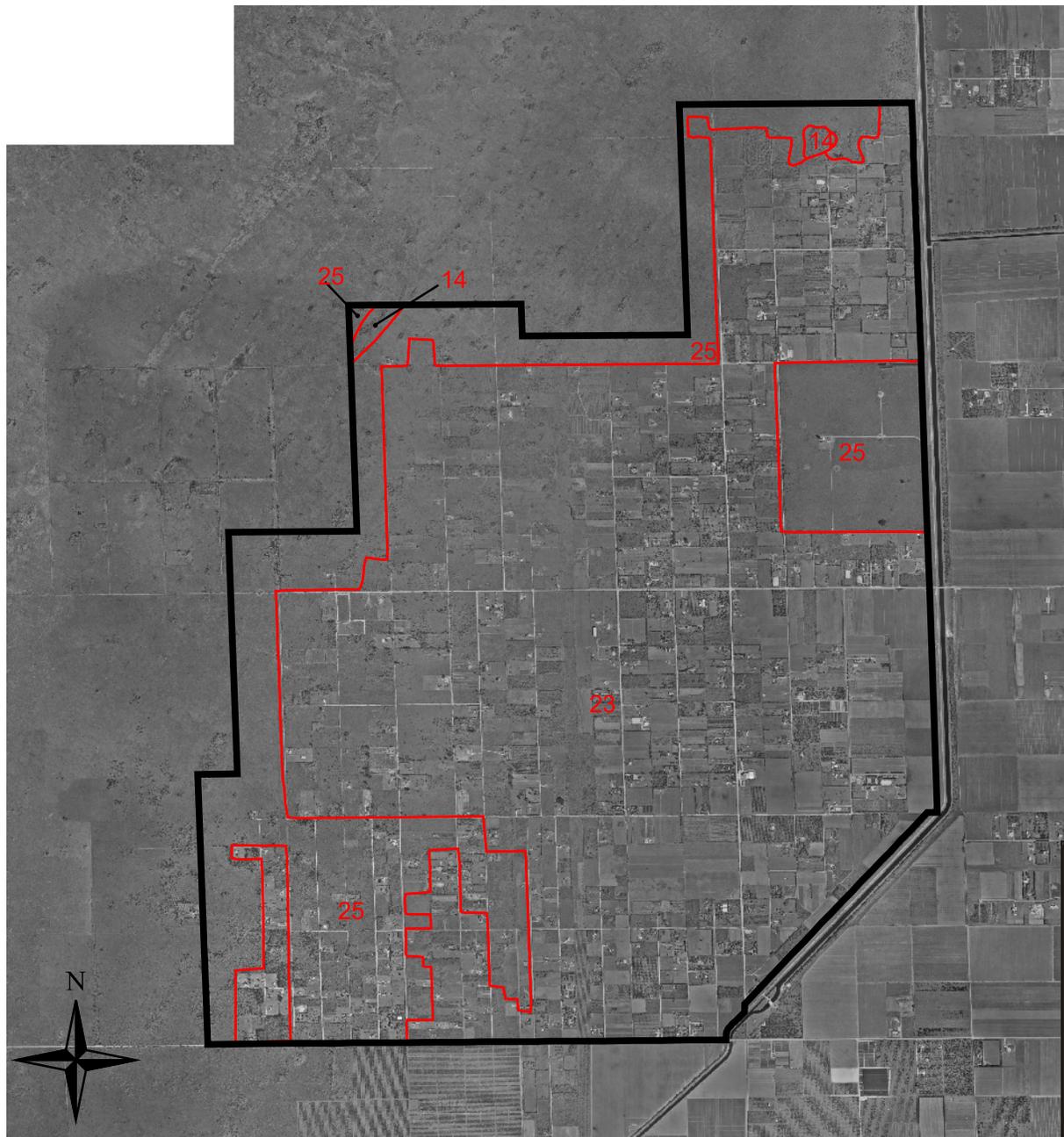
FIGURE 8
HYDROLOGIC SETTING

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO: _____



EVERGLADES NATIONAL PA



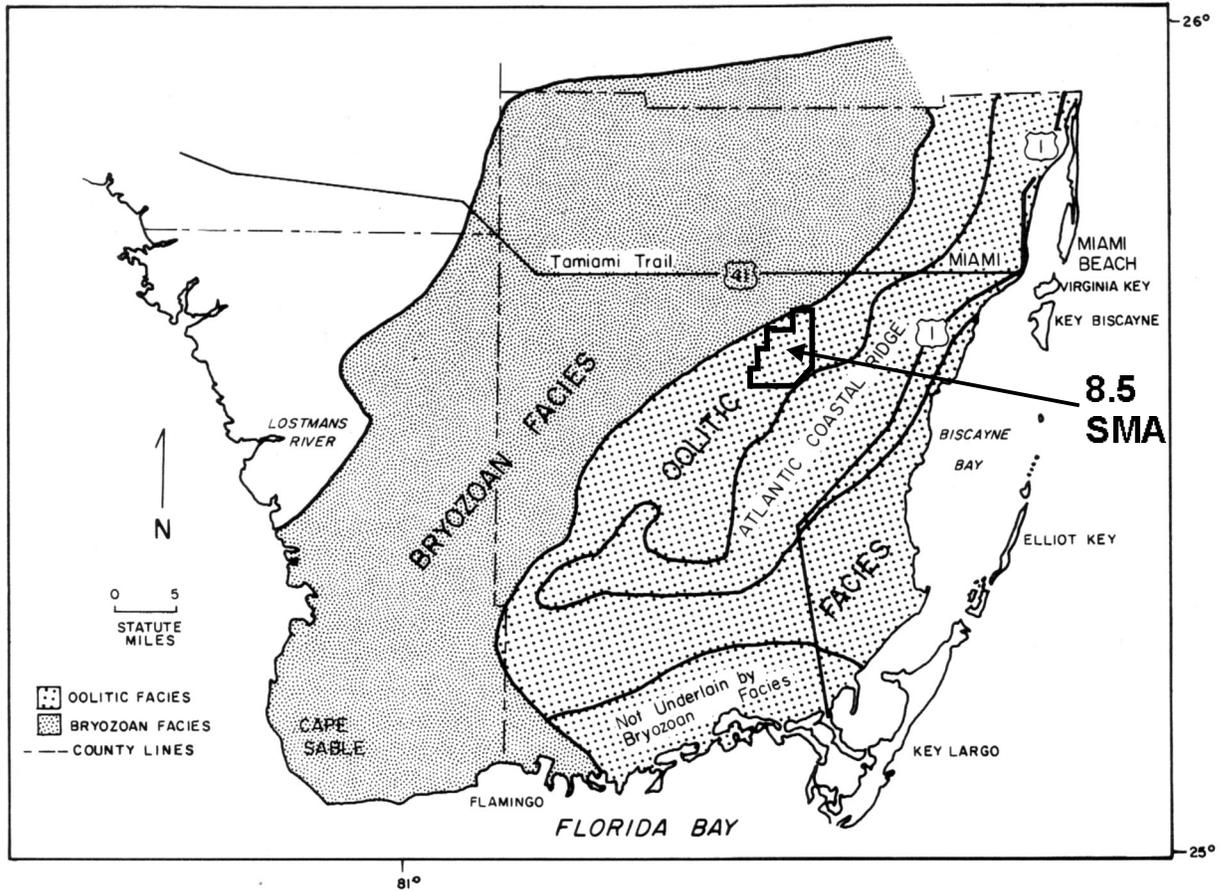
- 14 - Dania muck, depressional
- 23 - Chekika very gravelly loam
- 25 - Biscayne-Rock outcrop complex

CENTRAL AND SOUTHERN FLORIDA
MODIFIED WATER DELIVERIES TO
EVERGLADES NATIONAL PARK, FLORIDA
8.5 SQUARE MILE AREA

FIGURE 7
SOILS MAP

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
FILE NO: _____

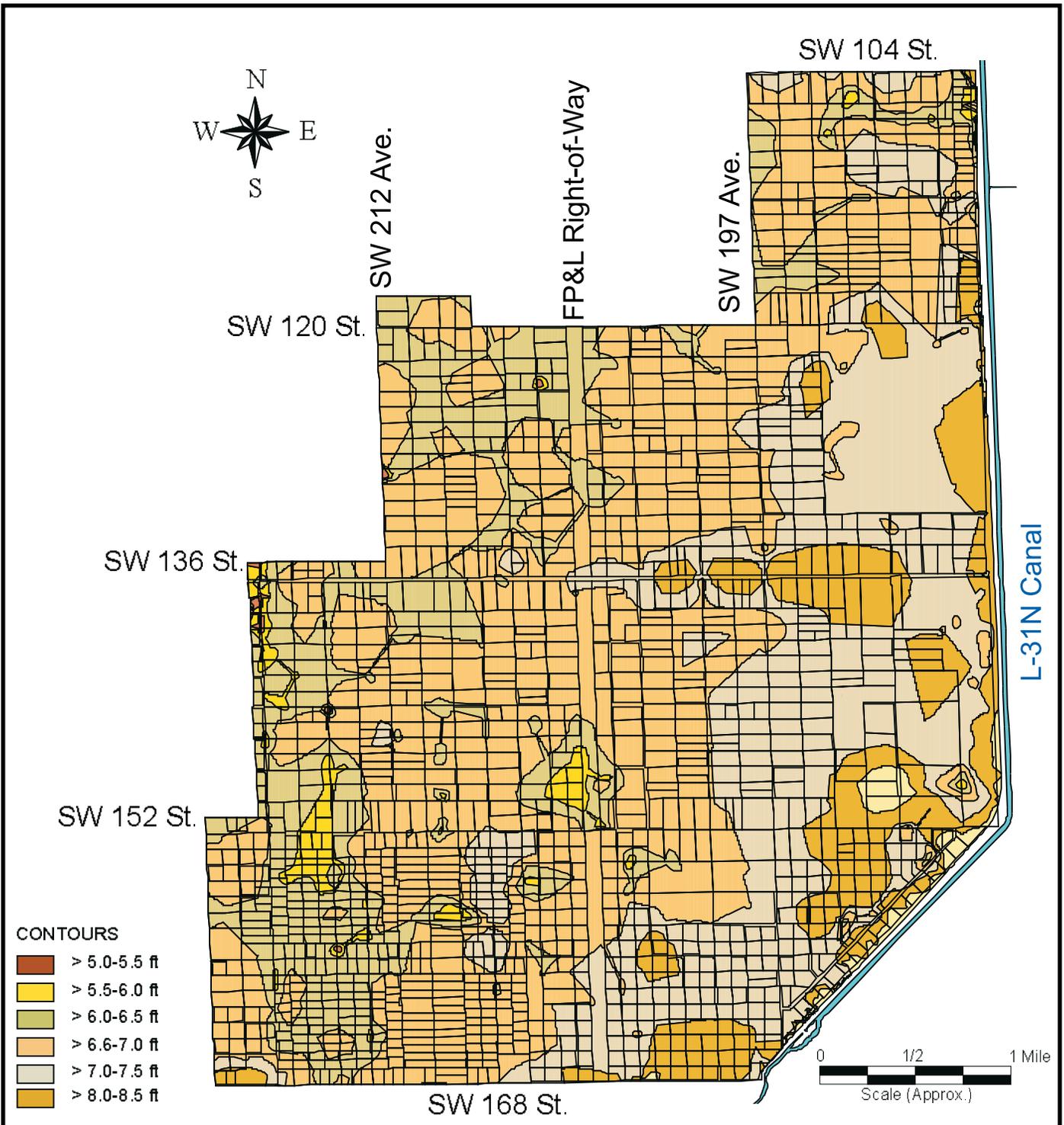


CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA
**FIGURE NO. 6 - DISTRIBUTION OF THE
 MIAMI LIMESTONE FORMATION**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO. _____

(Adapted from Schomer and Drew 1982)



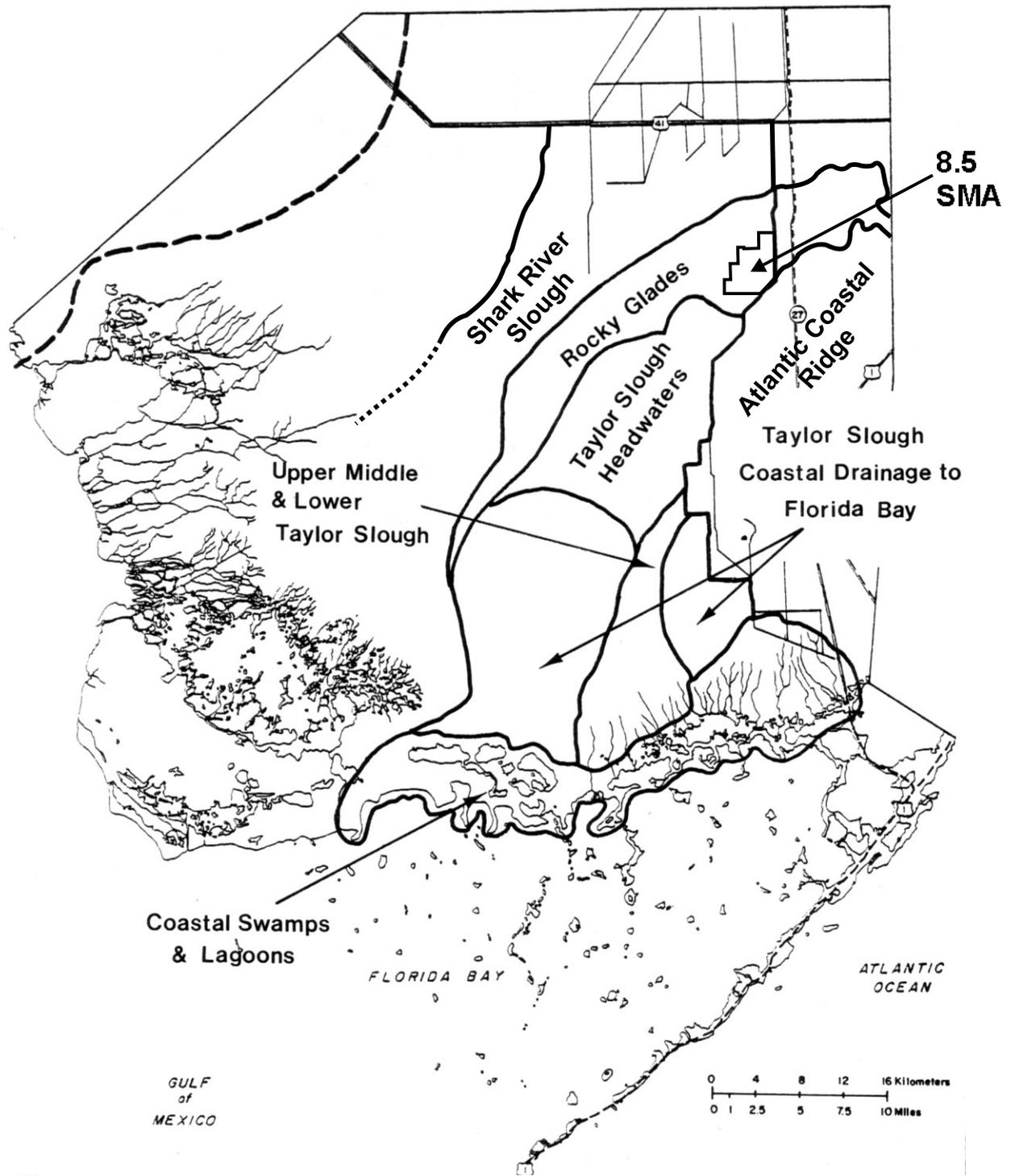
Source: DERM (1998)

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

**FIGURE NO. 5
 TOPOGRAPHIC SETTING**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO. _____



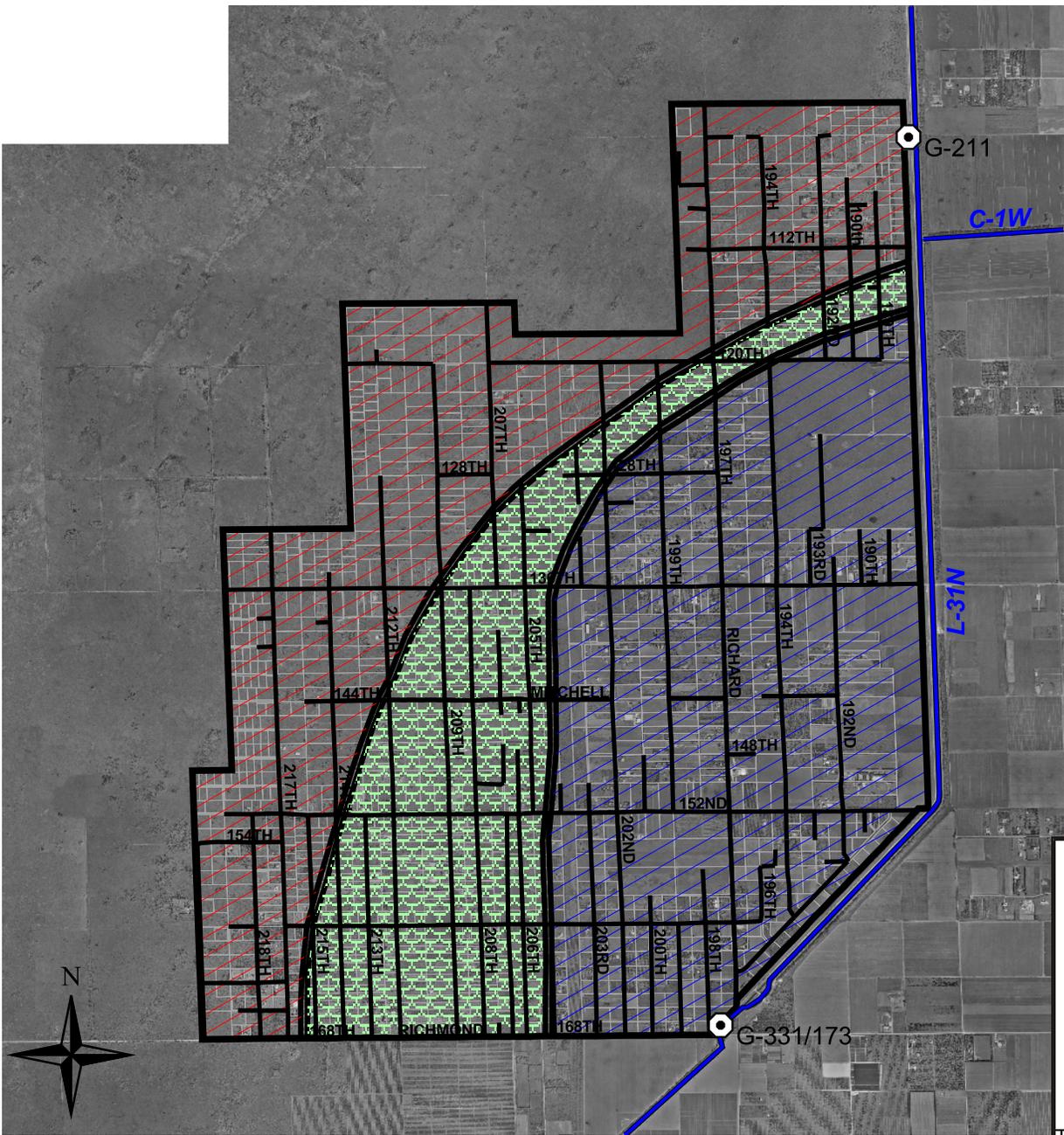
CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

**FIGURE NO. 4
 PHYSIOGRAPHIC SETTING**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO. _____

Source: Modified from Schomer and Drew 1982



-  Levees
-  Buy-Out Area
-  Floodway/Swale
-  Flood Mitigation
-  Existing Structure
-  Canals

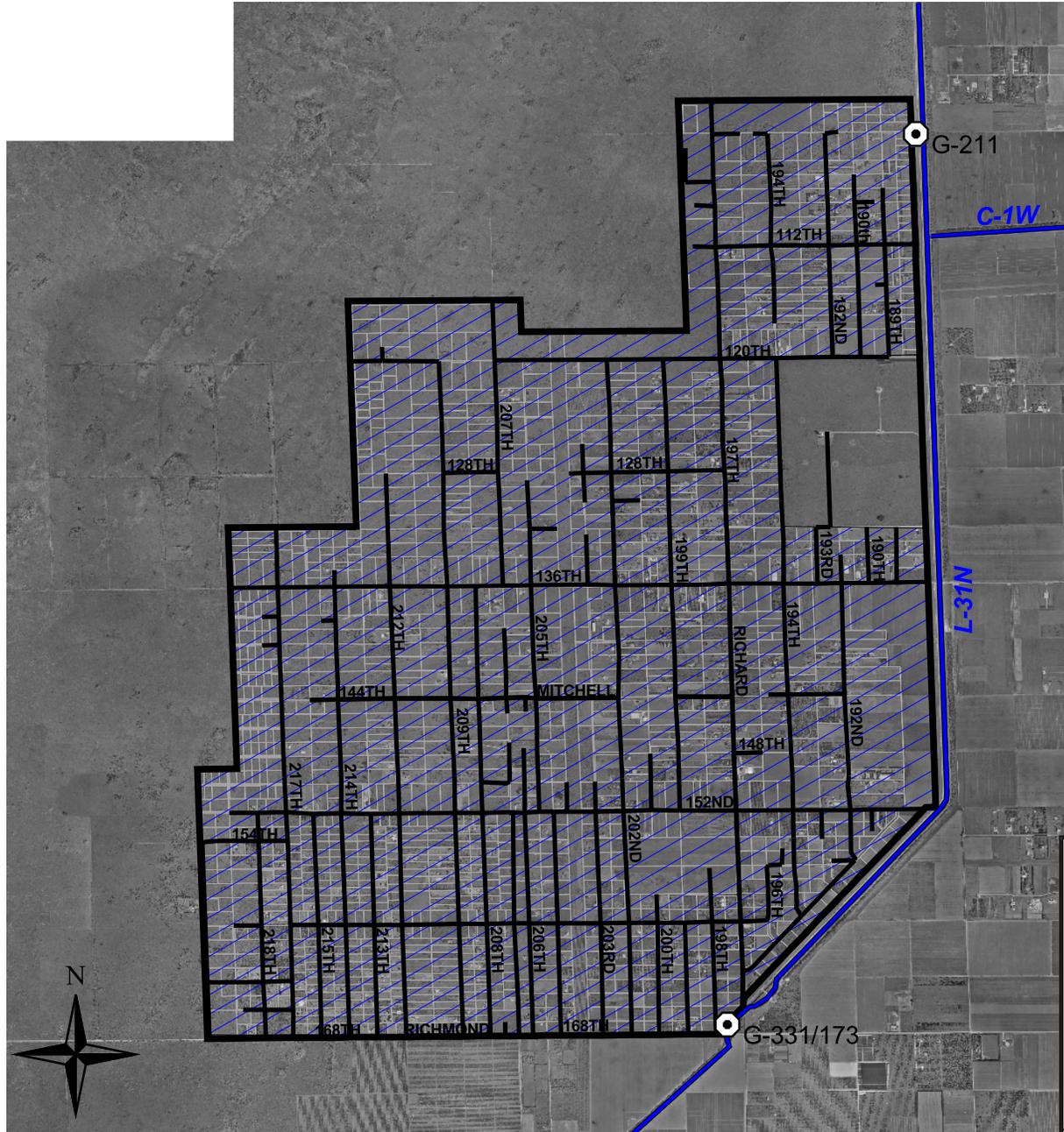
CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

**FIGURE 3H - ALTERNATIVE 8A
 FLOW-WAY PLAN**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO: _____

-  Area of Raised - Flood Free Roads
-  Existing Structure
-  Canals



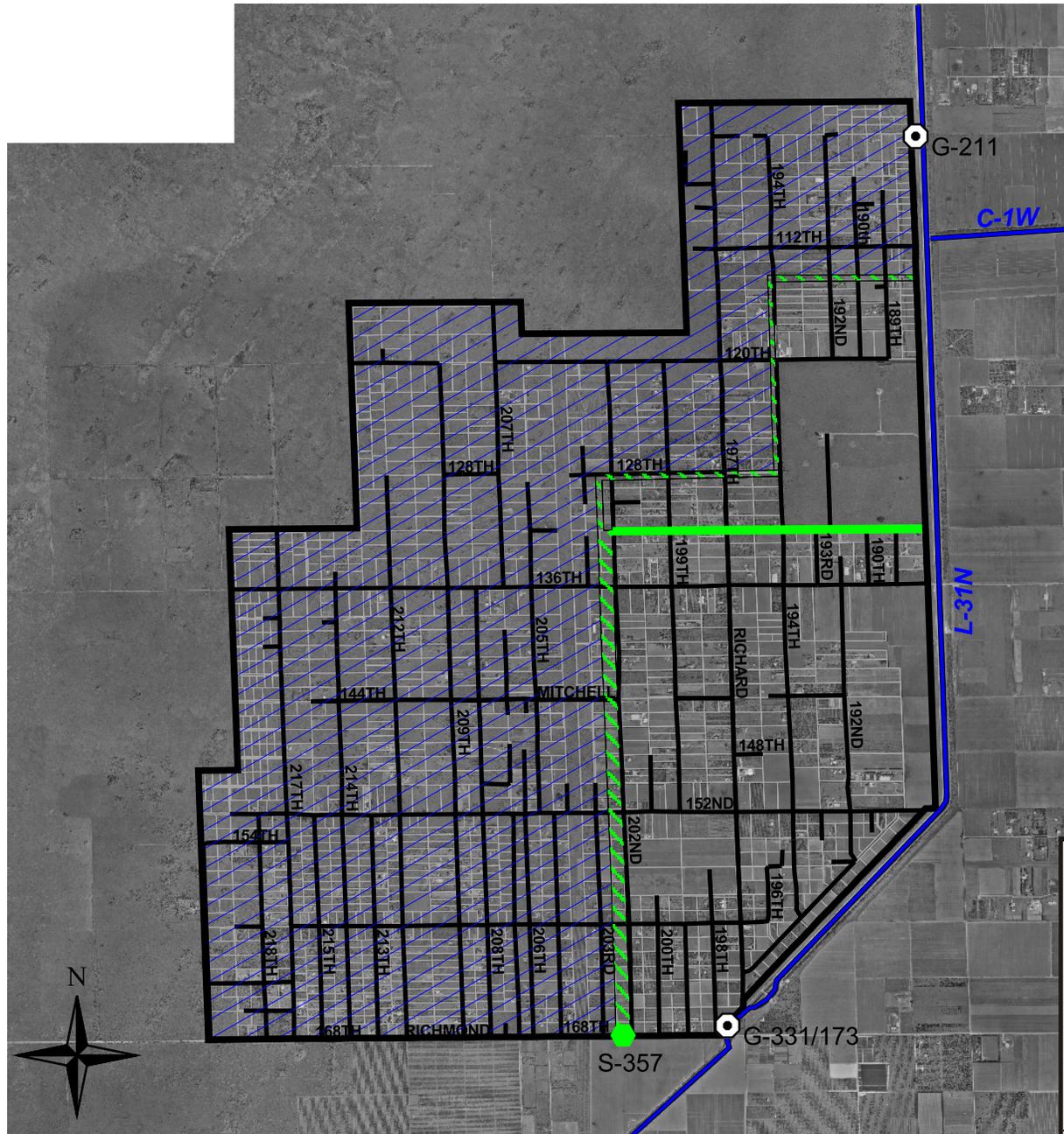
CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

FIGURE 3G - ALTERNATIVE 7
RAISE ALL ROADS PLAN

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO: _____

-  Levees and Seepage Canal
-  Buy-Out Area
-  Proposed Structure
-  Existing Structure
-  Canals
-  Proposed Canal



CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA

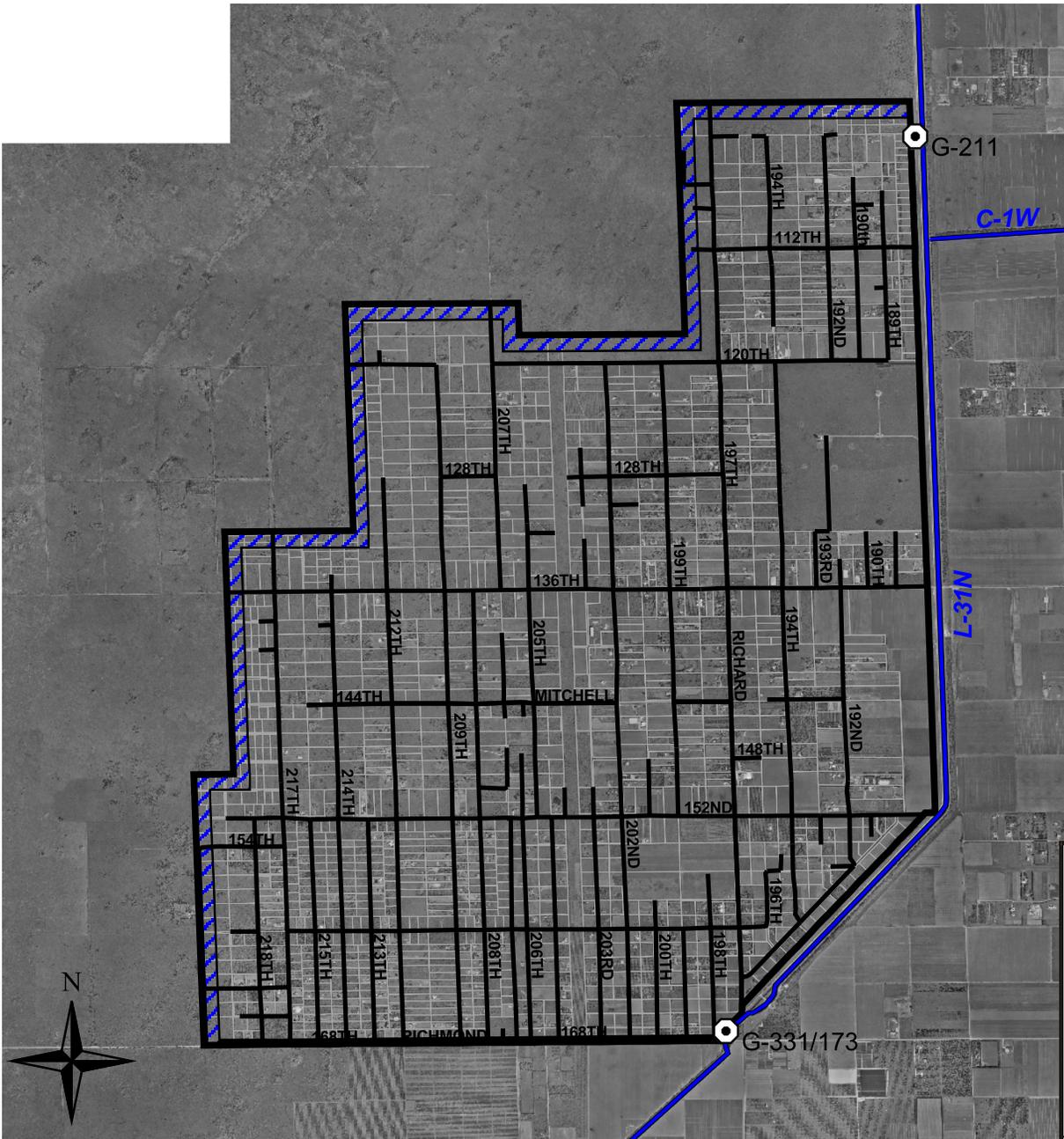
**FIGURE 3F - ALTERNATIVE 6B
 WESTERN BUFFER PLAN**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____

FILE NO: _____

-  Levees and Seepage Barrier
-  Existing Structure
-  Canals



CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
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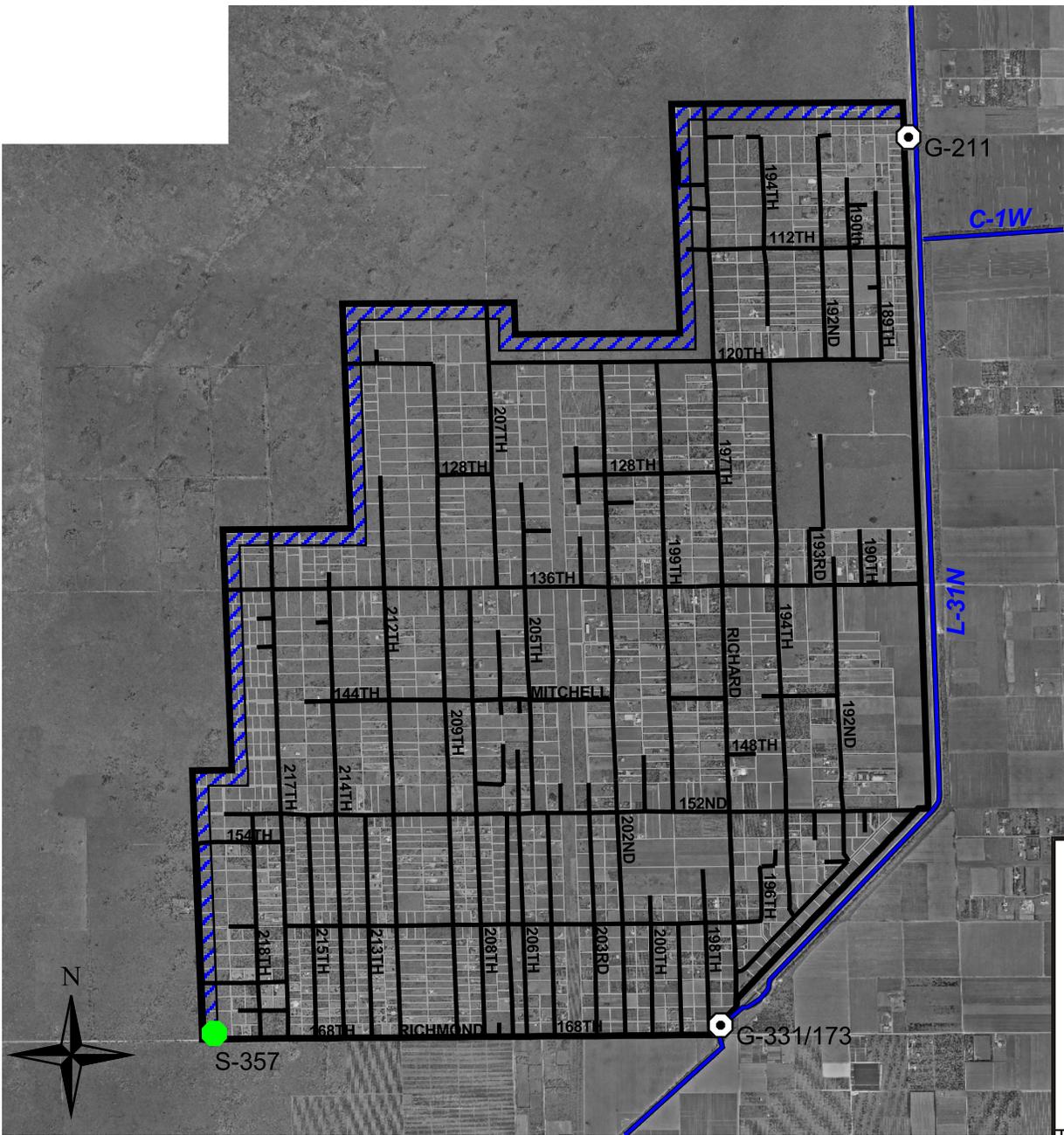
**FIGURE 3C - ALTERNATIVE 3
 DEEP SEEPAGE BARRIER PLAN**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO: _____



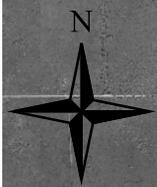
-  Levees and Seepage Canal
-  Proposed Structure
-  Existing Structure
-  Canals



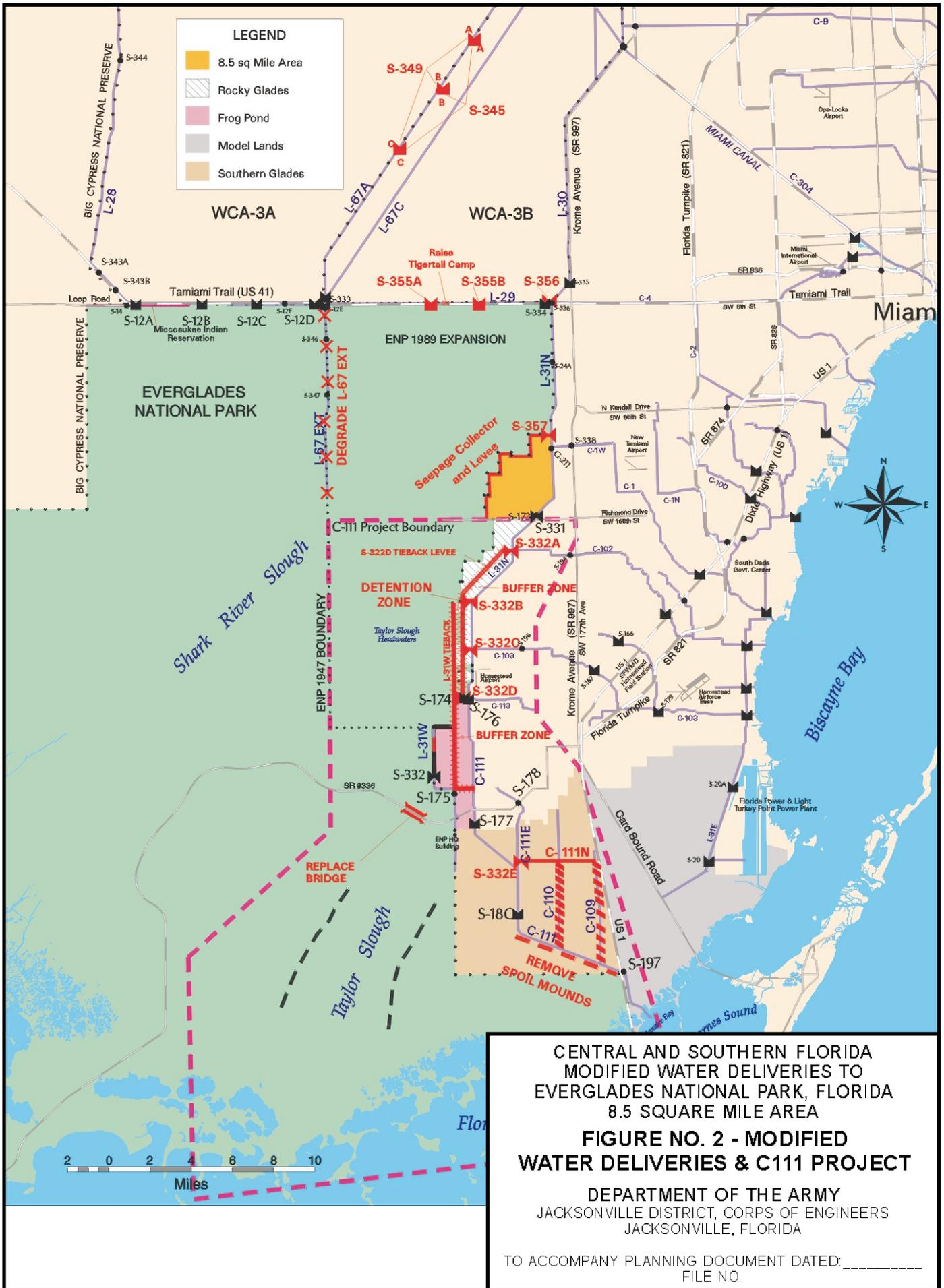
CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
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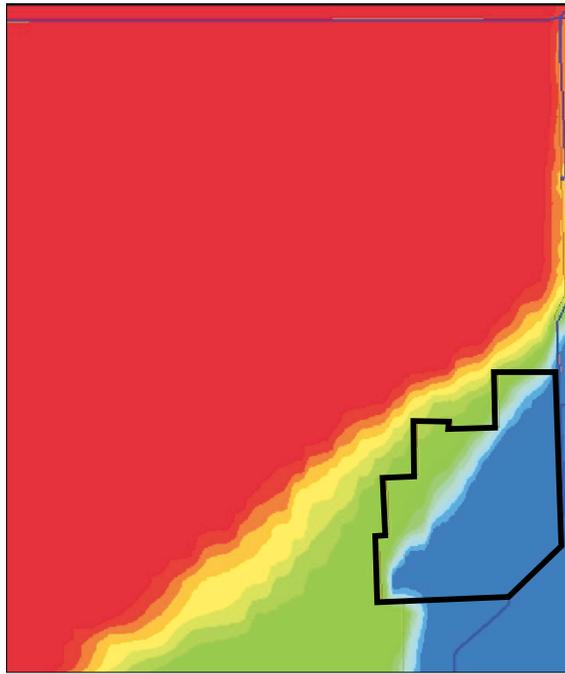
**FIGURE 3B - ALTERNATIVE 2B
 MODIFIED GDM PLAN**

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

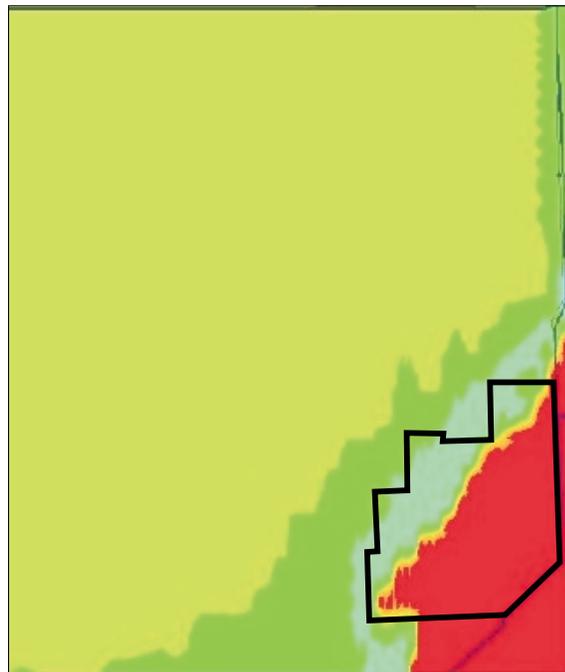
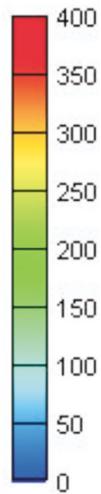


TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO: _____





HYDROPERIOD



WETLANDS

-  **Peat-Forming:** Depth > 2',
Hydroperiod > 180 days
-  **Peat-Forming:** -1' < Depth < +2',
Hydroperiod > 180 days
-  **Marl-Forming:** -1' < Depth < +2',
30 < Hydroperiod < 180 days
-  **Upland**

CENTRAL AND SOUTHERN FLORIDA
 MODIFIED WATER DELIVERIES TO
 EVERGLADES NATIONAL PARK, FLORIDA
 8.5 SQUARE MILE AREA
**FIGURE 29 - SIMULATED WETLAND HYDRO-
 PERIODS AND SUBSTRATE CONDITIONS
 ALTERNATIVE 8A**
 DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA
 TO ACCOMPANY PLANNING DOCUMENT DATED: _____
 FILE NO. _____