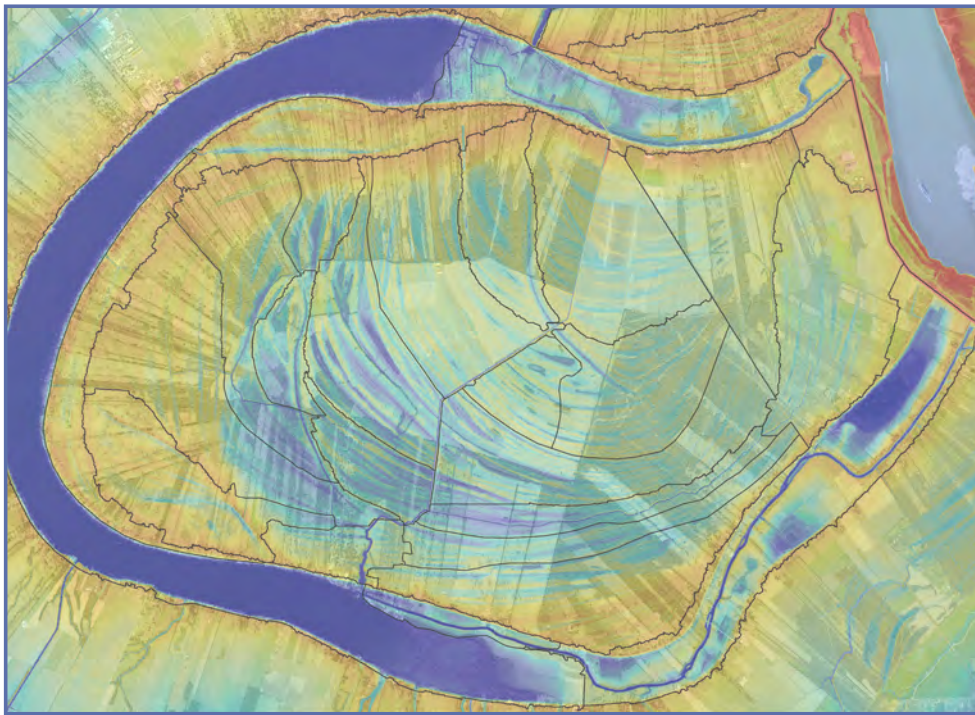


# **FALSE RIVER WATERSHED STUDY**

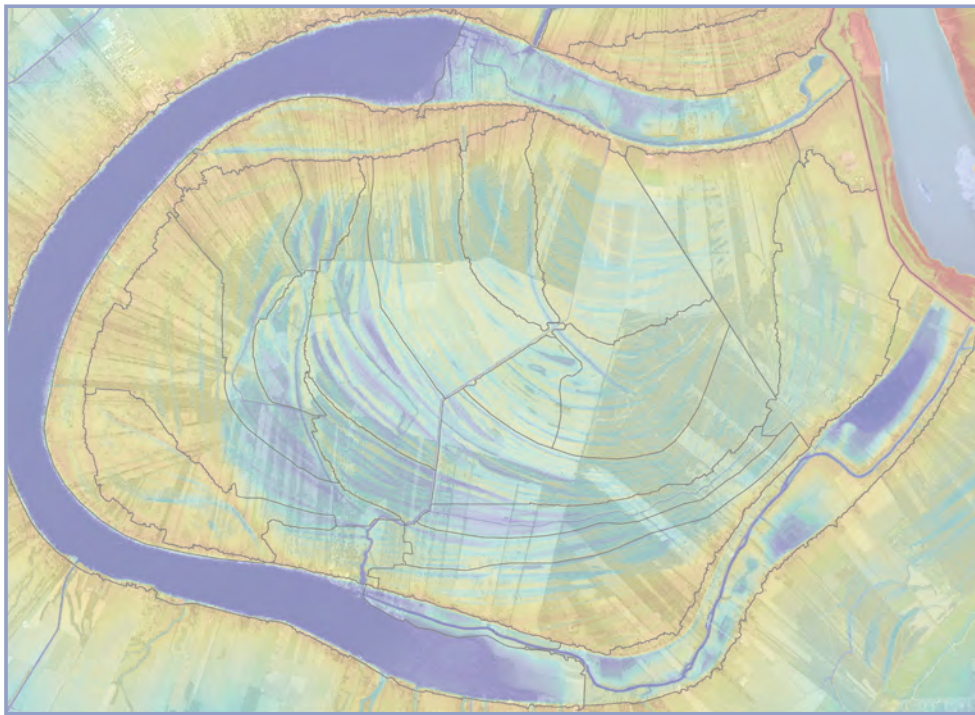
## **APPENDICES**



**C H FENSTERMAKER & ASSOCIATES, LLC**

**JUNE , 2013**

## APPENDIX A: PLATES



# The Island Channels



West Lateral

M-1 Canal

East Lateral

Discharge Bayou

Chenal

Legend

 Channels

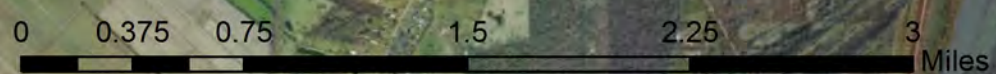
0 0.375 0.75 1.5 2.25 3 Miles



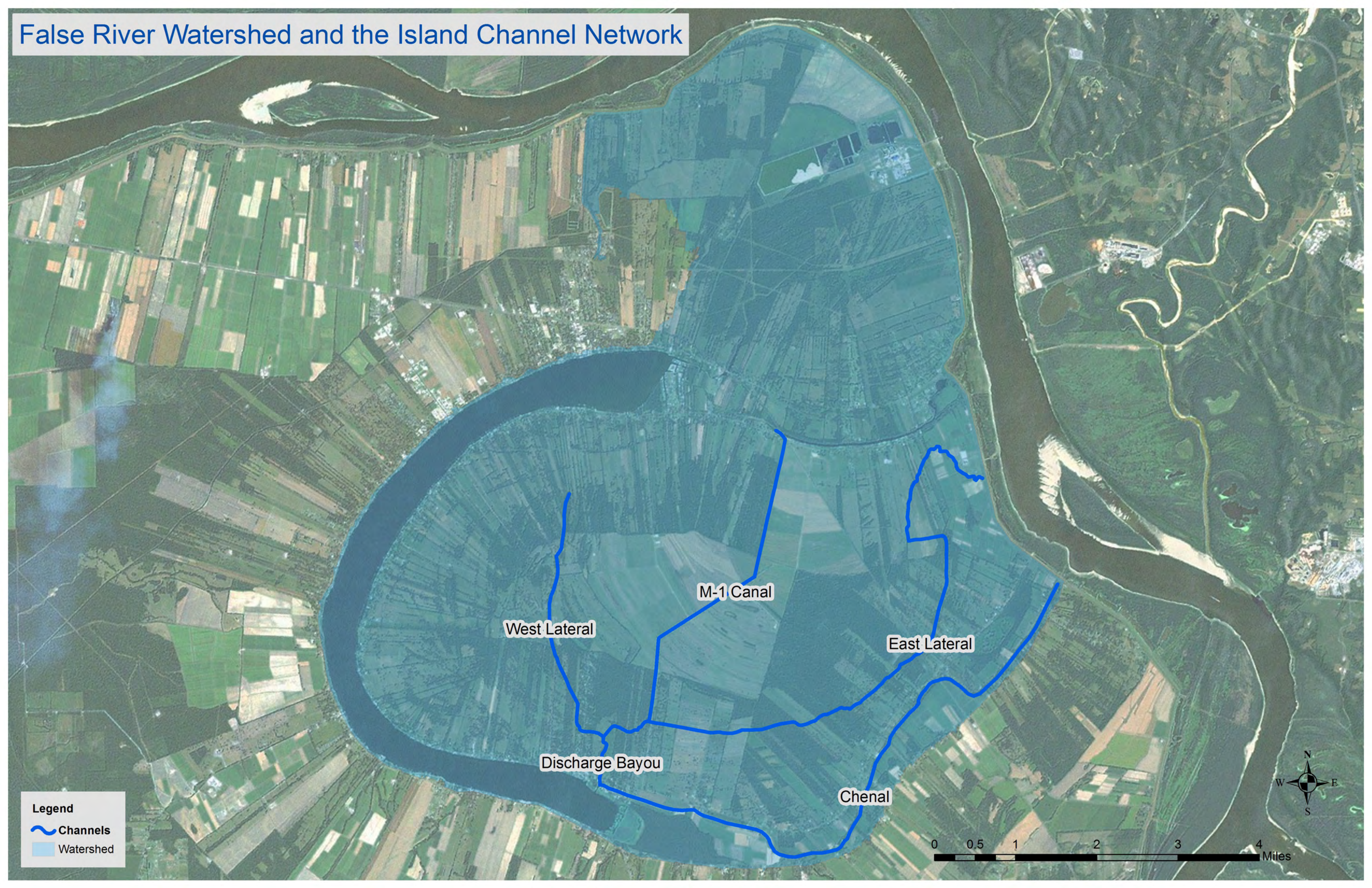
# False River Island

**Legend**

 False River Island



# False River Watershed and the Island Channel Network



# False River Watershed Basins

Legend

Basins

Chenal (C) Sub-Watershed

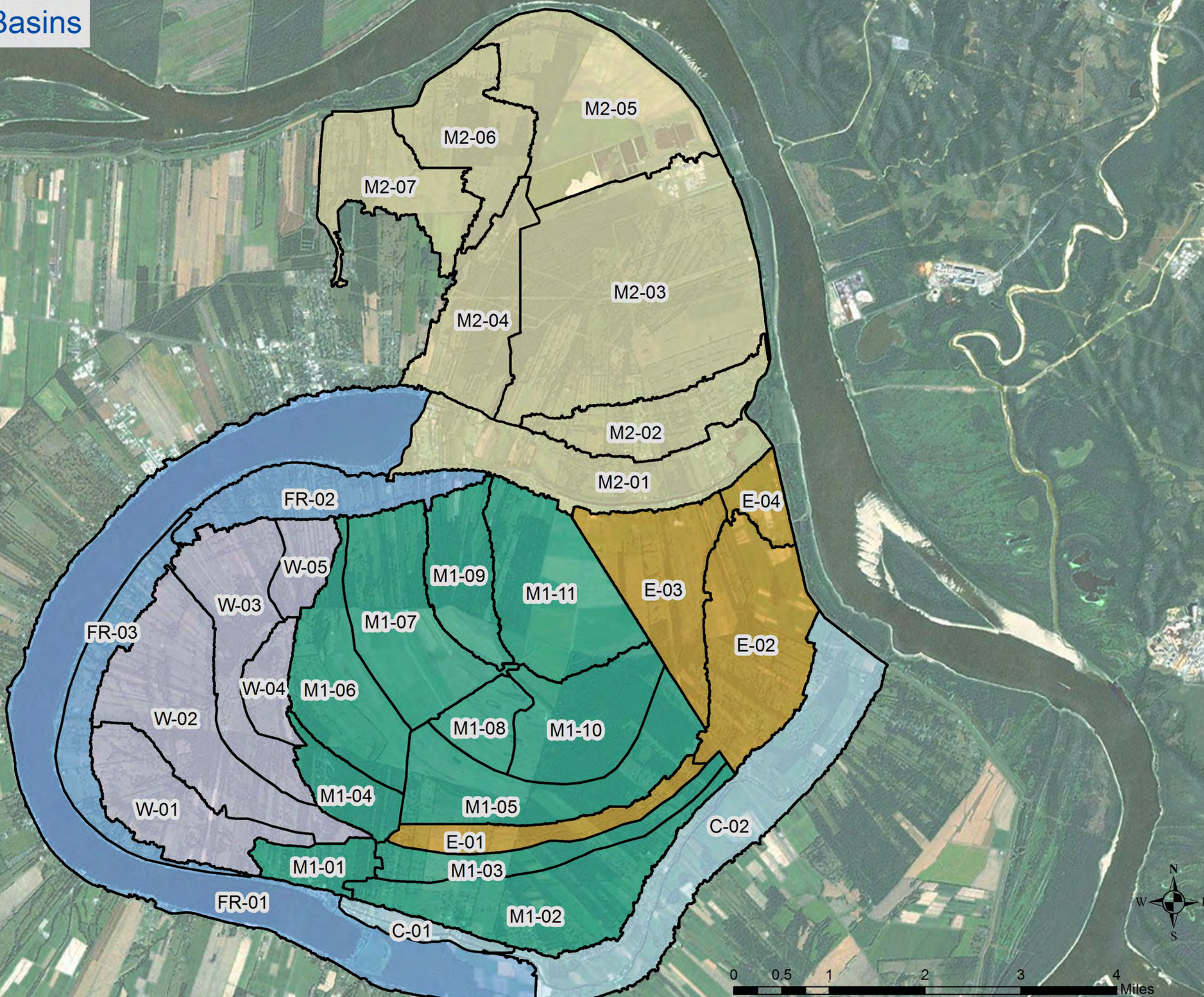
East (E) Sub-Watershed

False River (FR) Sub-Watershed

M-1 Sub-Watershed

M-2 Sub-Watershed

West (W) Sub-Watershed



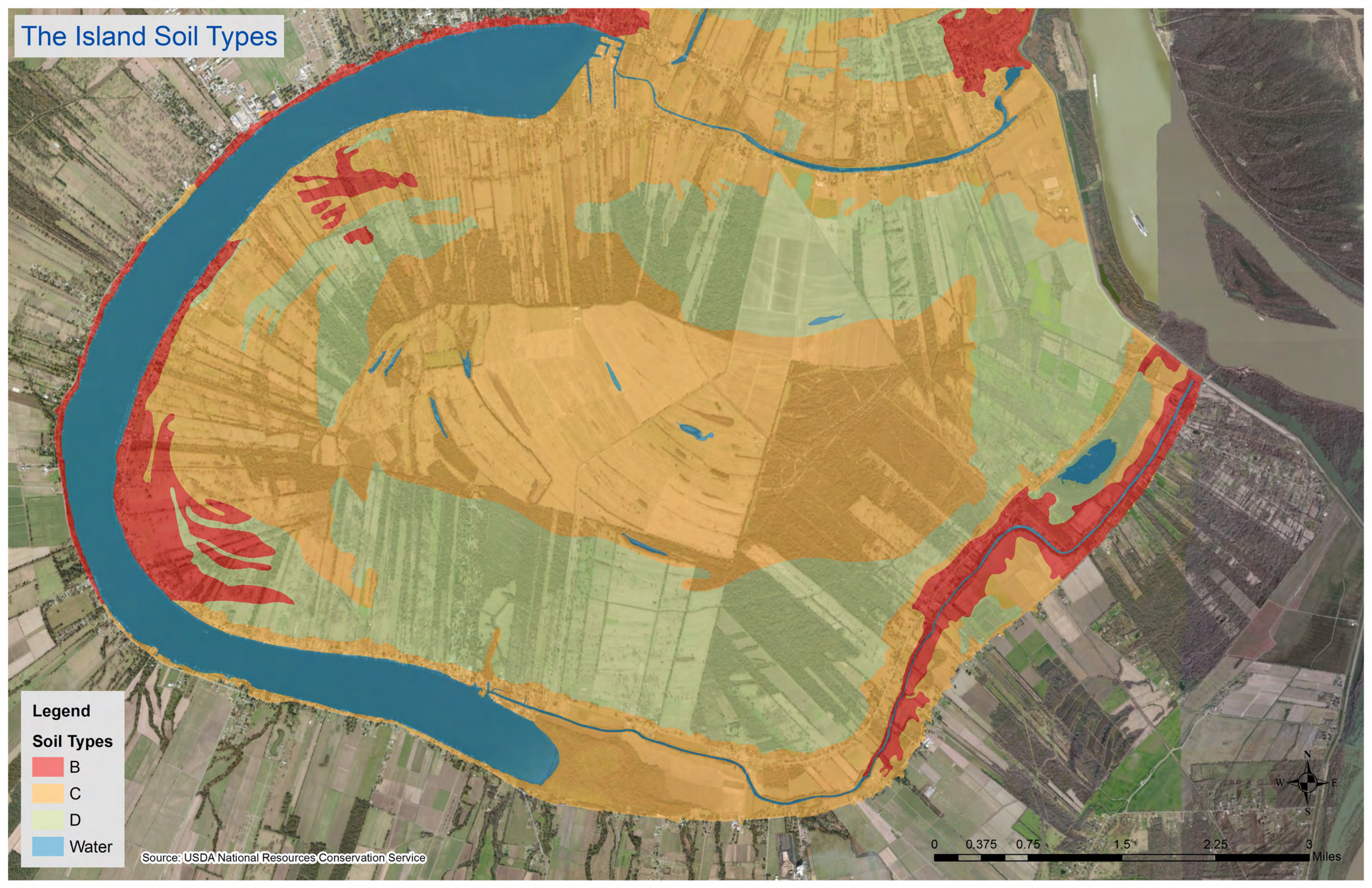
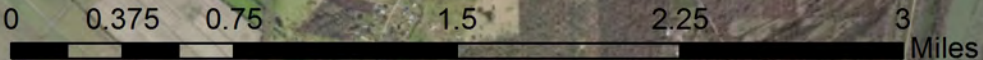
# The Island Soil Types

**Legend**

**Soil Types**

- B
- C
- D
- Water

Source: USDA National Resources Conservation Service



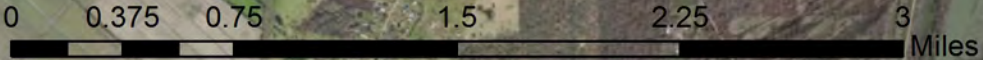
# The Island Land Use Types

**Legend**

**Land Use Types**

- Agriculture
- Commercial
- Pasture/Rangeland
- Residential
- Shrub/Scrub
- Water/Wetland

Source: USGS



# The Island Curve Numbers

Legend

Curve Numbers

56

69

70

72

76

77

79

81

82

84

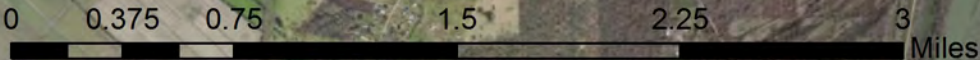
86

92

94

95

Source: the Curve Number (CN) is a method of estimating the approximate runoff volume from a rainfall event. CNs are determined using the USDA National Resources Conservation Service TR-55 method, and are based on Land Use and Soil Types.



# Study Survey Points



**Legend**

 Sediment Trap Hydrographic Survey

 False River Hydrographic Survey

 Survey Points

 Channels

Sediment Trap Location

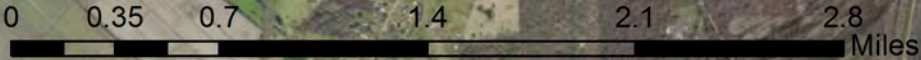
West Lateral

M-1 Canal

East Lateral

Discharge Bayou

Chenal



# The Island LIDAR

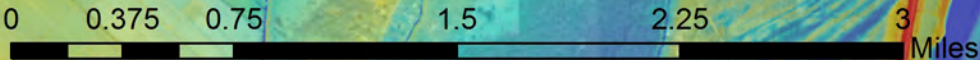
**Legend**

**LIDAR**

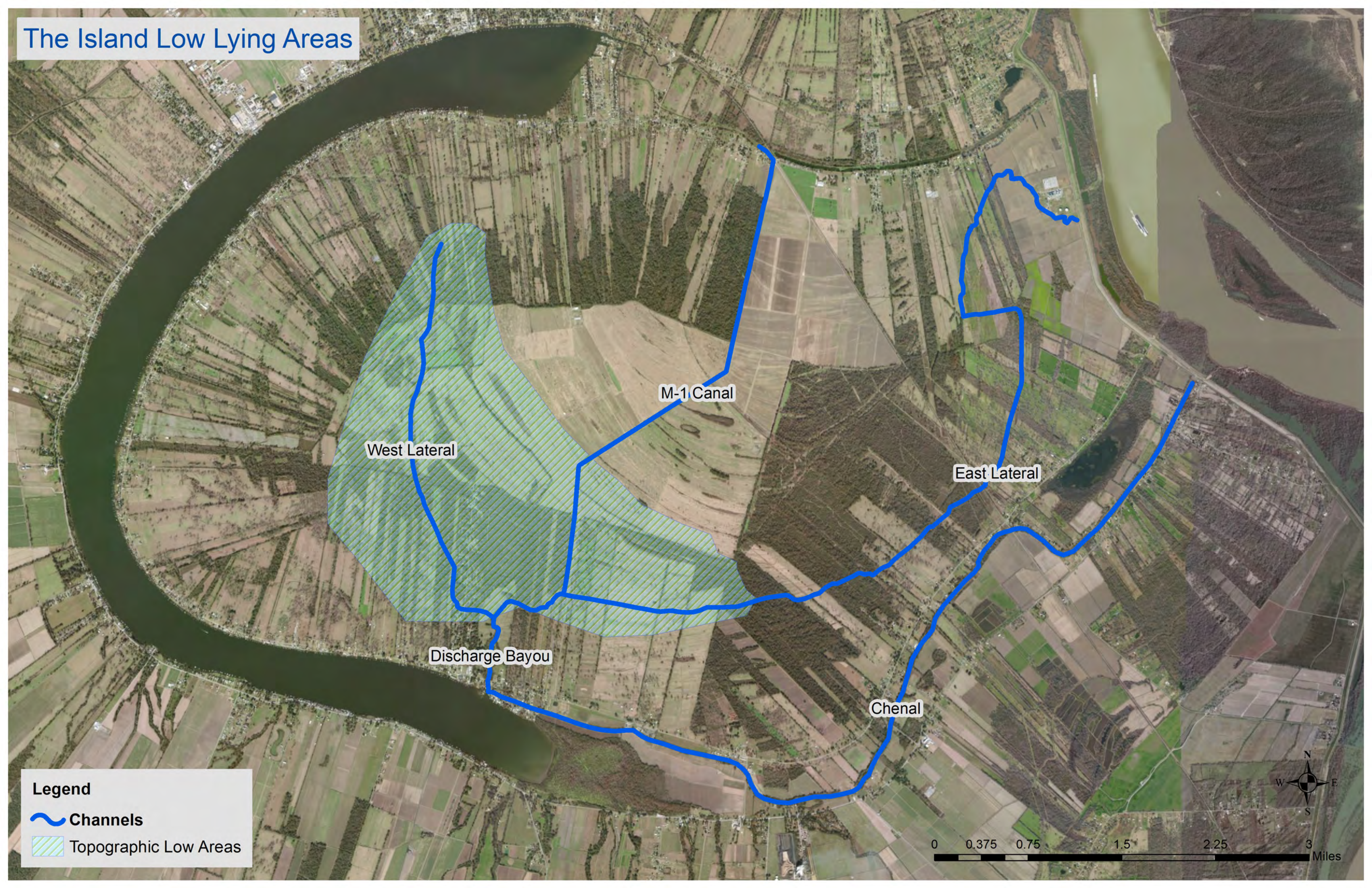
High : 90 ft

Low : 10 ft

Source: LSU - Atlas (the Louisiana Statewide GIS)



# The Island Low Lying Areas



M-1 Canal

West Lateral

East Lateral

Discharge Bayou

Chenal

## Legend

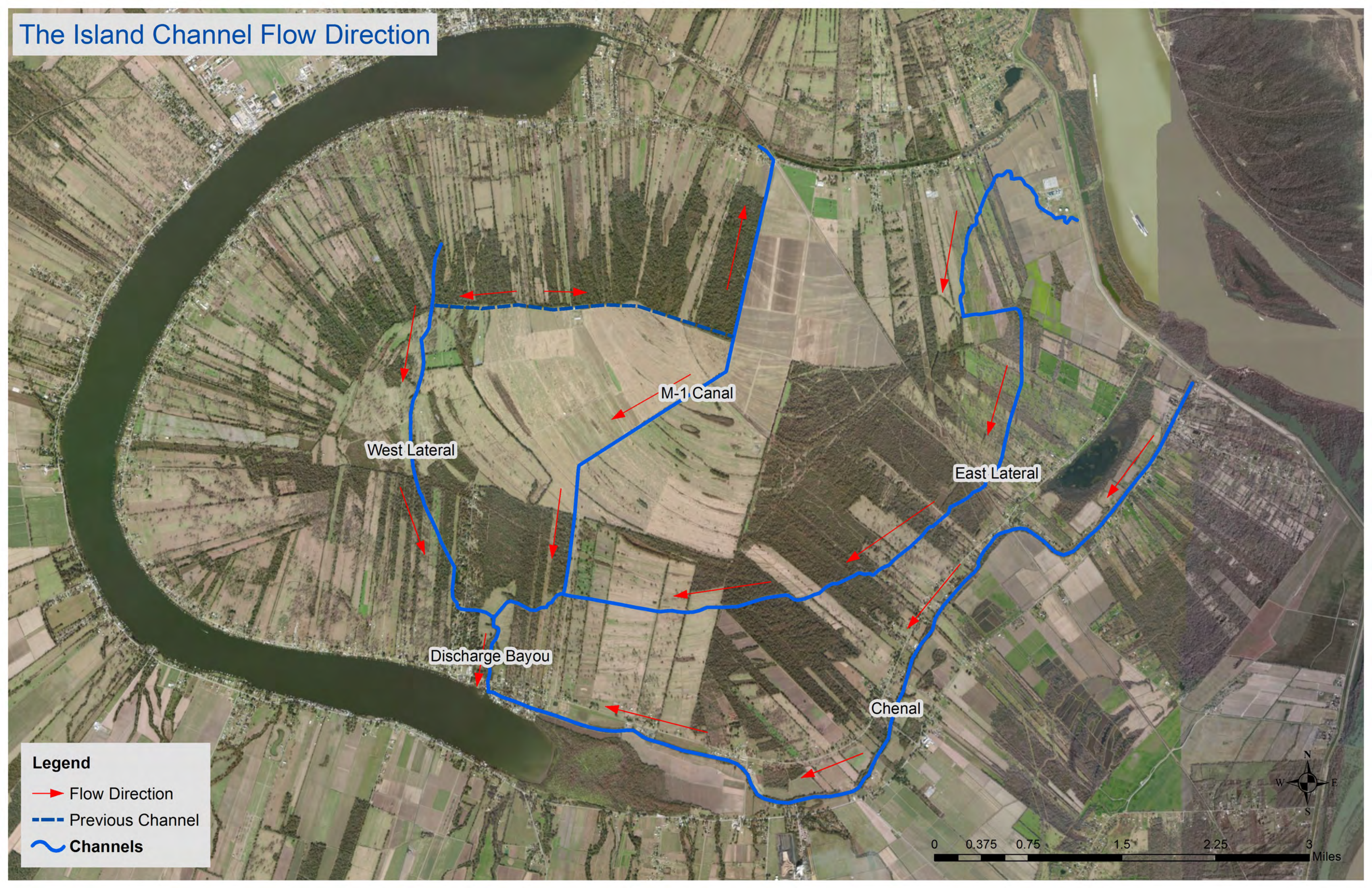
 Channels

 Topographic Low Areas

0 0.375 0.75 1.5 2.25 3 Miles



# The Island Channel Flow Direction



# Study Channel Cross-Section Locations

**Legend**

- Cross-Section
- Cross-Section
- Cross-Section
- Cross-Section
- M-1 Canal & Chenal

Station 28,459

M-1 Canal

Station 10,442

Discharge Bayou

Island Road

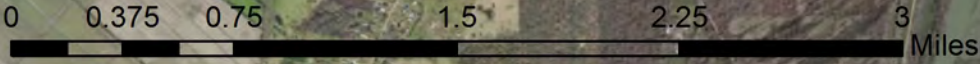
Pecan Lane

Zach Road

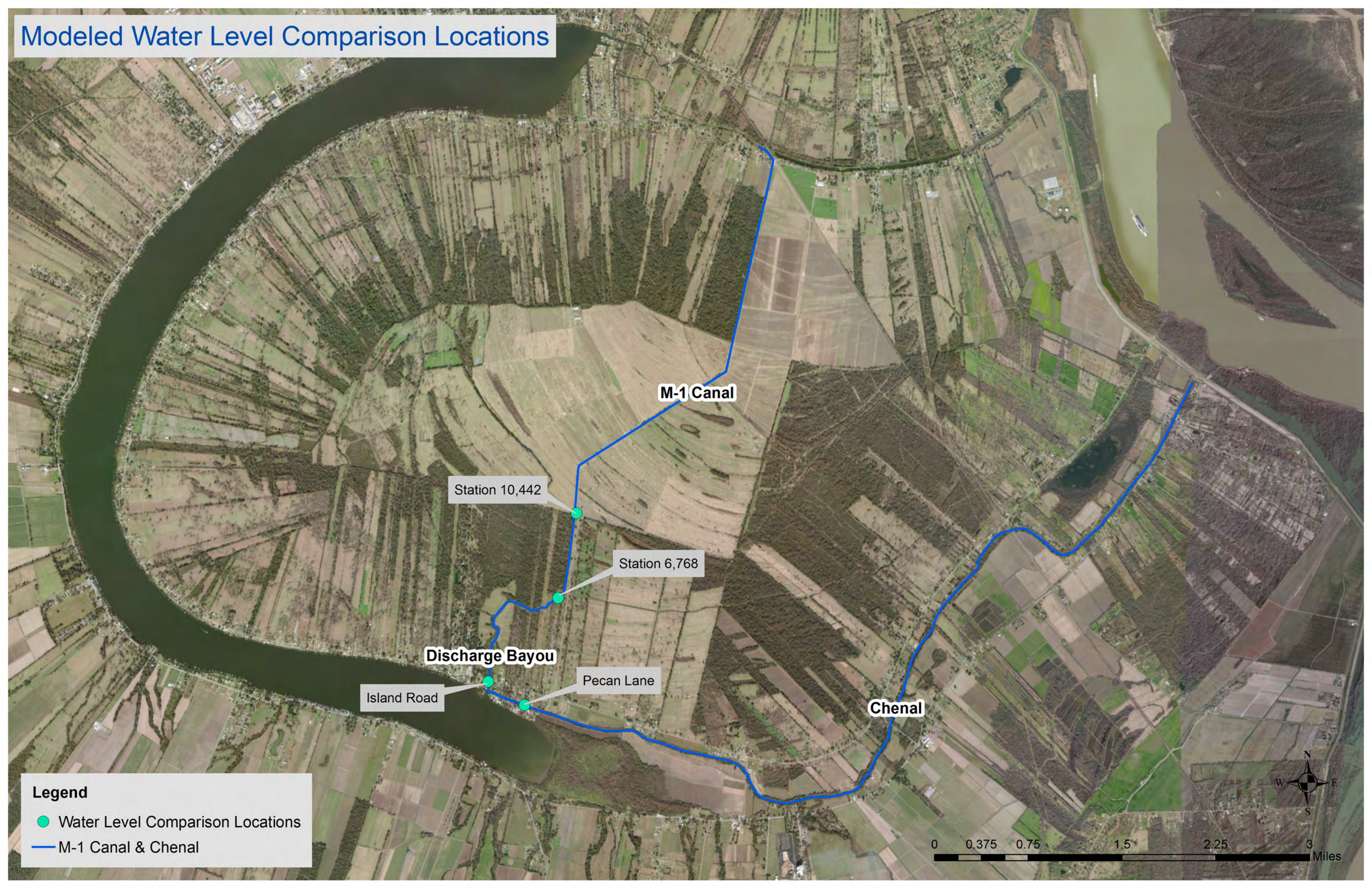
Station 30,030

Chenal

Station 20,188



# Modeled Water Level Comparison Locations

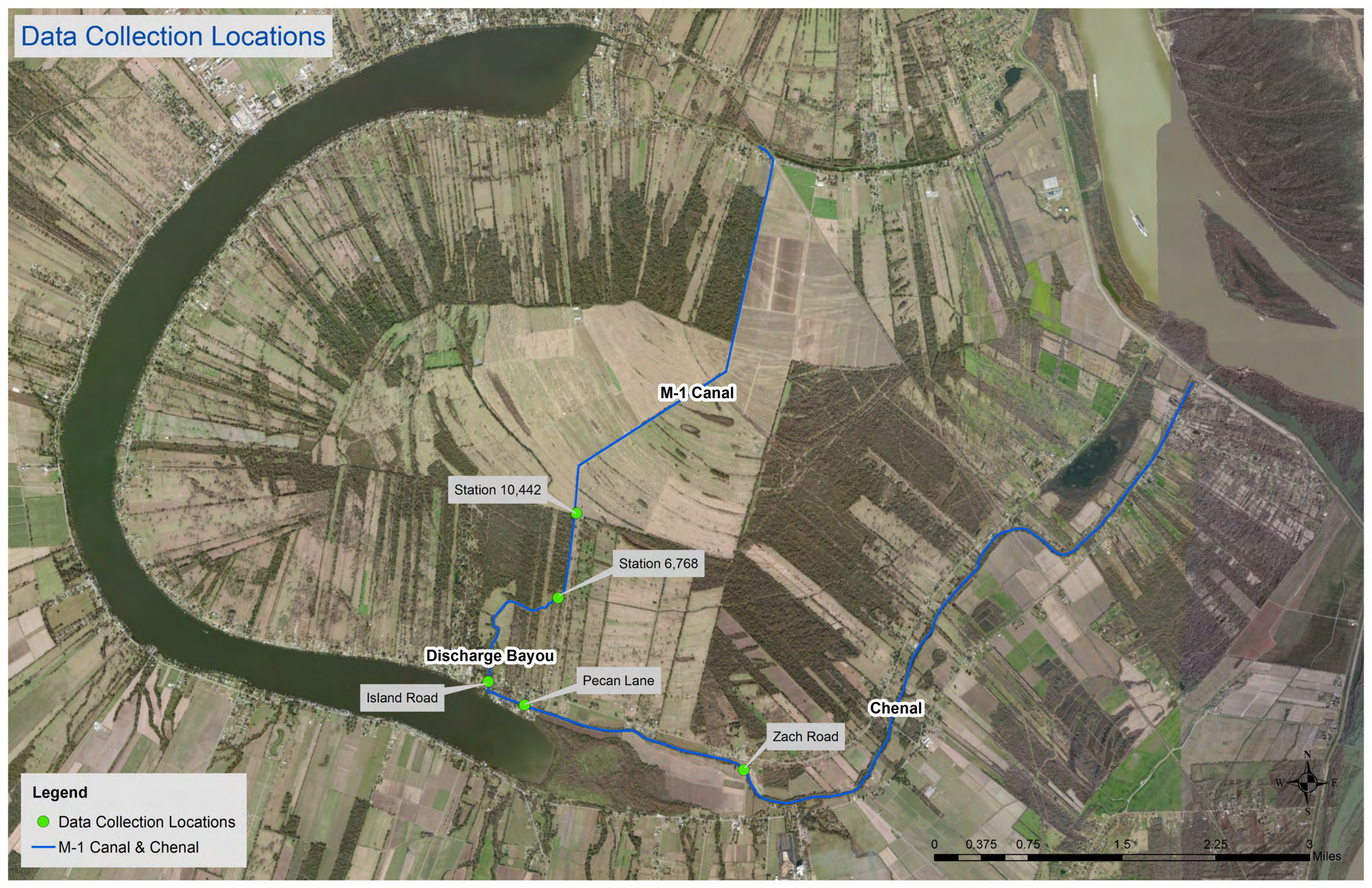


## Legend

- Water Level Comparison Locations
- M-1 Canal & Chenal

0 0.375 0.75 1.5 2.25 3 Miles

# Data Collection Locations

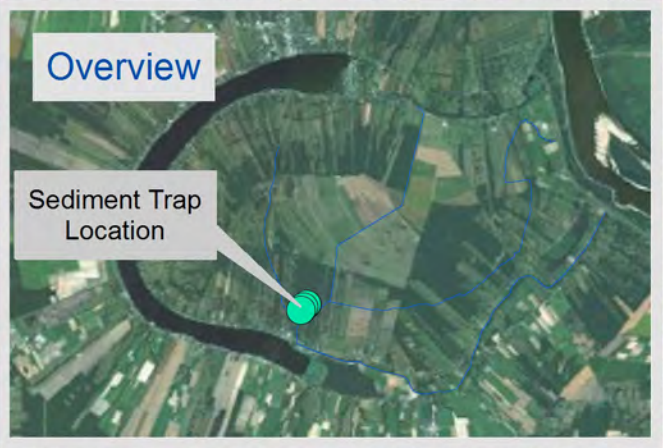


## Legend

- Data Collection Locations
- M-1 Canal & Chenal

0 0.375 0.75 1.5 2.25 3 Miles

# M-1 Canal Sediment Trap Location



**Legend**

-  Sediment Trap Location
-  Sediment Trap Hydrographic Survey
-  Channels

Station 4,436

Station 3,991

Station 3,587

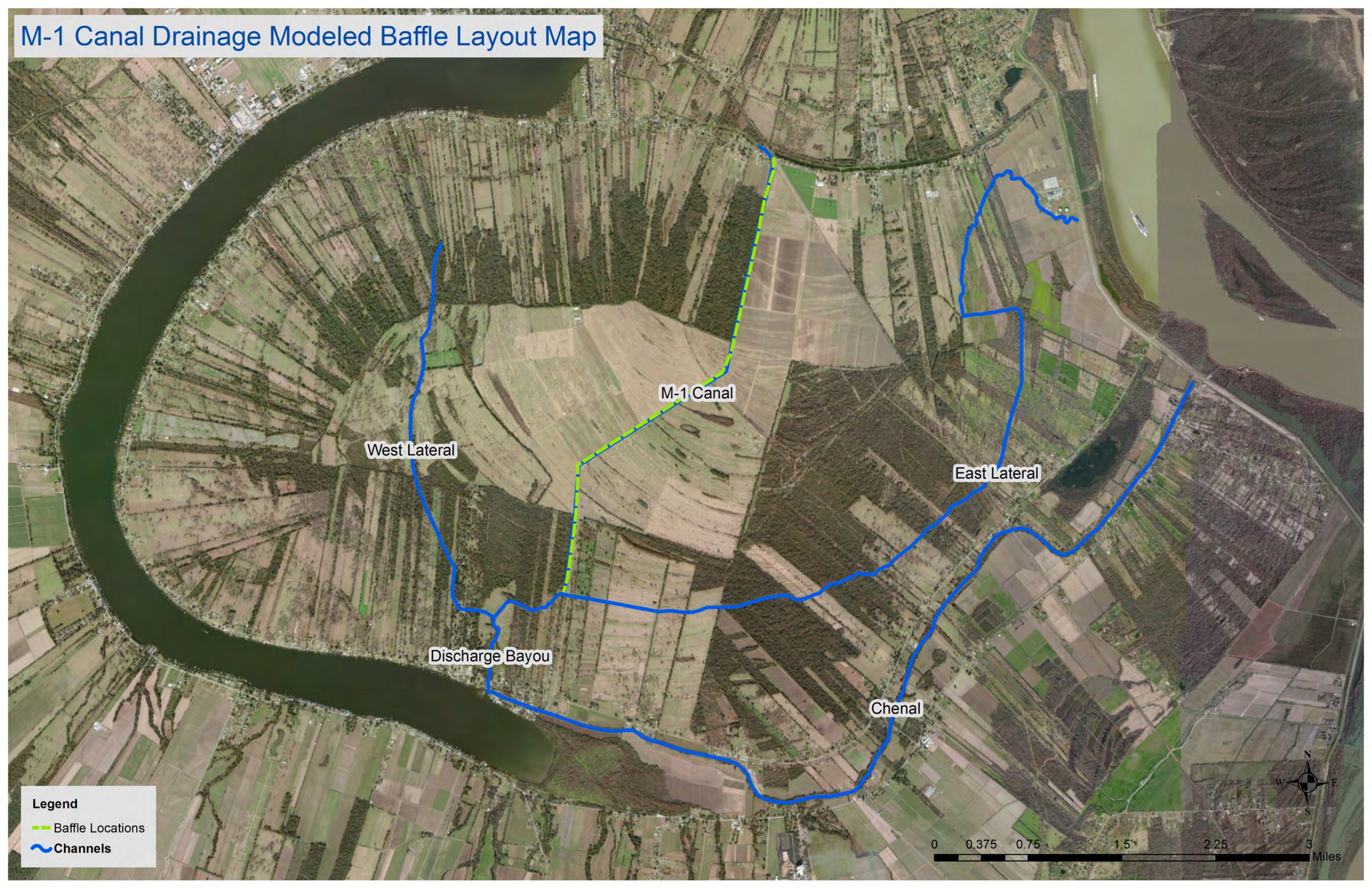
M-1 Canal

West Lateral

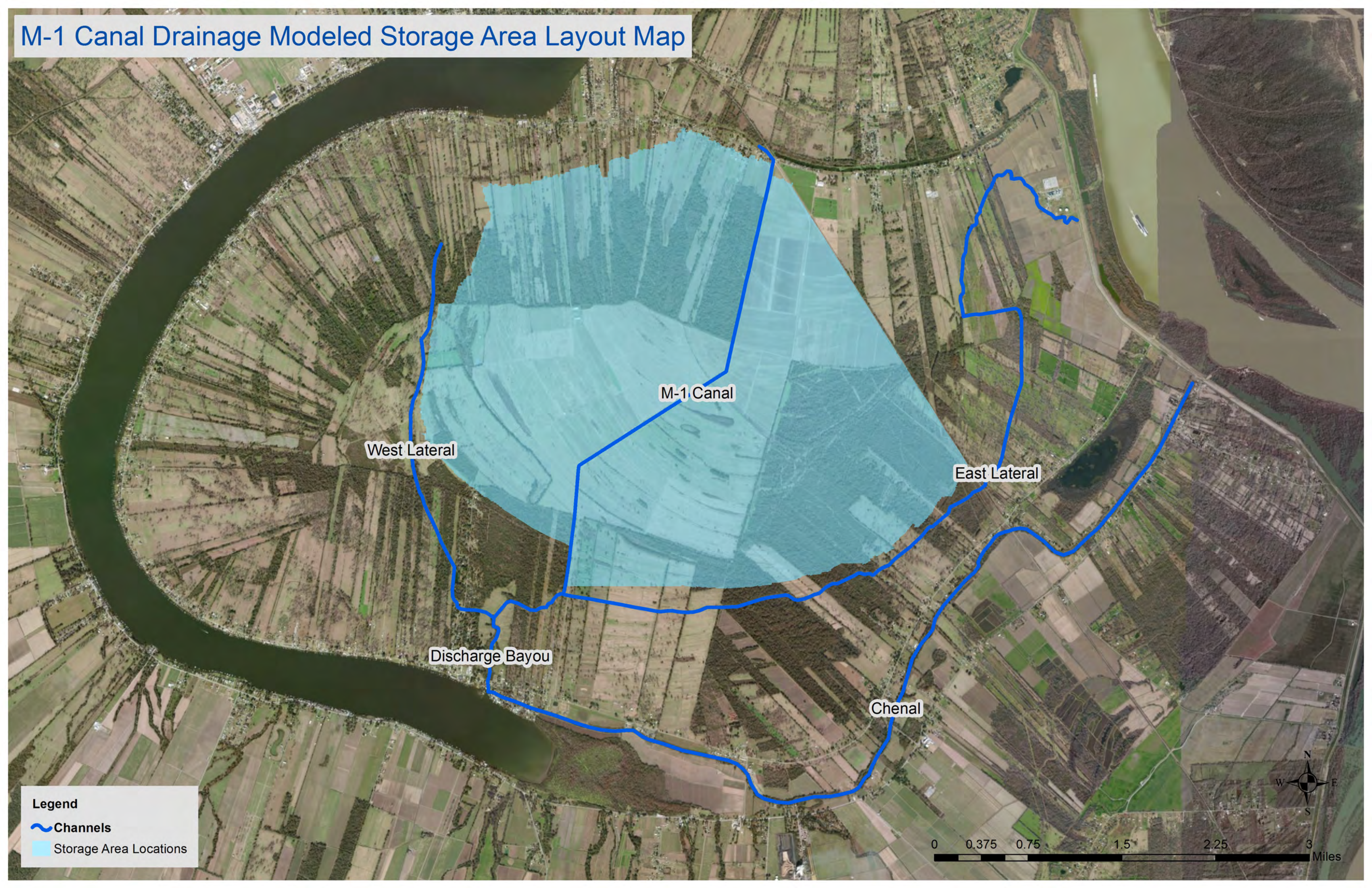
Discharge Bayou



# M-1 Canal Drainage Modeled Baffle Layout Map



# M-1 Canal Drainage Modeled Storage Area Layout Map



**Legend**

-  Channels
-  Storage Area Locations

0 0.375 0.75 1.5 2.25 3 Miles



# M-1 Canal Drainage Modeled Weir Layout Map

