

False River Ecosystem Restoration Project

Aquatic Habitat, Fisheries and Water Quality

Completed

- Water Monitoring
- Game Fish Stocking
- Commercial Fishing
- Seven Spawning Beds
- No Wake Zone in Flats

Planned

- Water Monitoring
- Game Fish Stocking
- Commercial Fishing
- Spawning Beds
- Nutrients Reduction
- Edge Habitat Planting
- Artificial Reefs
- Public Outreach

Erosion/Sediment Control

Completed

- Sediment Trap BMPs
- Channel Maintenance BMPs
- Erosion Control Ordinance
- M-1 Drainage Network Study
- Preliminary M-1 Drainage Network modifications design

Planned

- Sediment Trap Maintenance
- Channel Maintenance
- Public Outreach
- M-2 Drainage Network Study
- Final Channel Modifications Design
- Drainage Network Hydromodification Implementation

Lake Sedimentation

Completed

- Geotechnical Study
- Magnetometer Survey
- Approval by State Lands
- Preliminary Design

Planned

- Final Design
- Permitting
- 2-2.5' Lake Drawdown
- Island/Terrace Construction

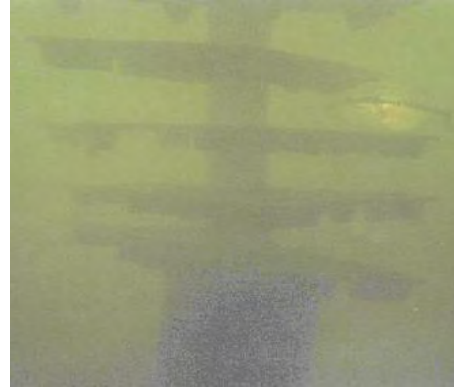
Aquatic Habitat Restoration



Aquatic Vegetation Planting



Artificial Reefs



Tree Planting



Spawning Beds



Game Fish Stocking



Edge Habitat

Erosion/Sediment Control



Nutrients Uptake -Riparian Edge/Buffer



Decrease Non-Point Source - Channel Fencing



Flow Retardation – Increase Channel Roughness



Flow Retardation -Rock Weir

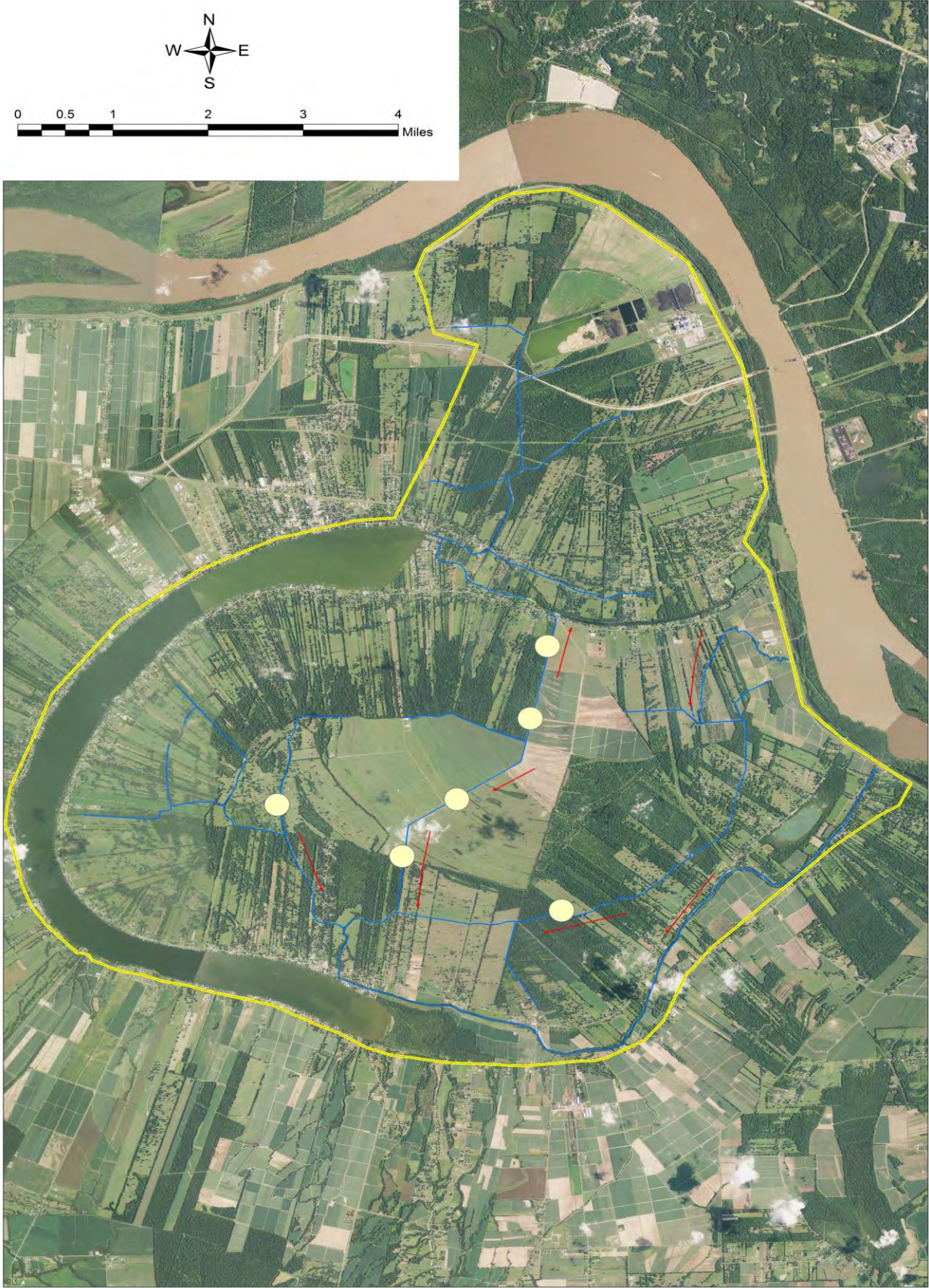
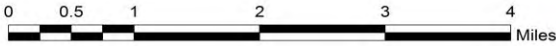


Flow Restriction - Culverts

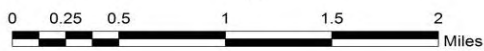
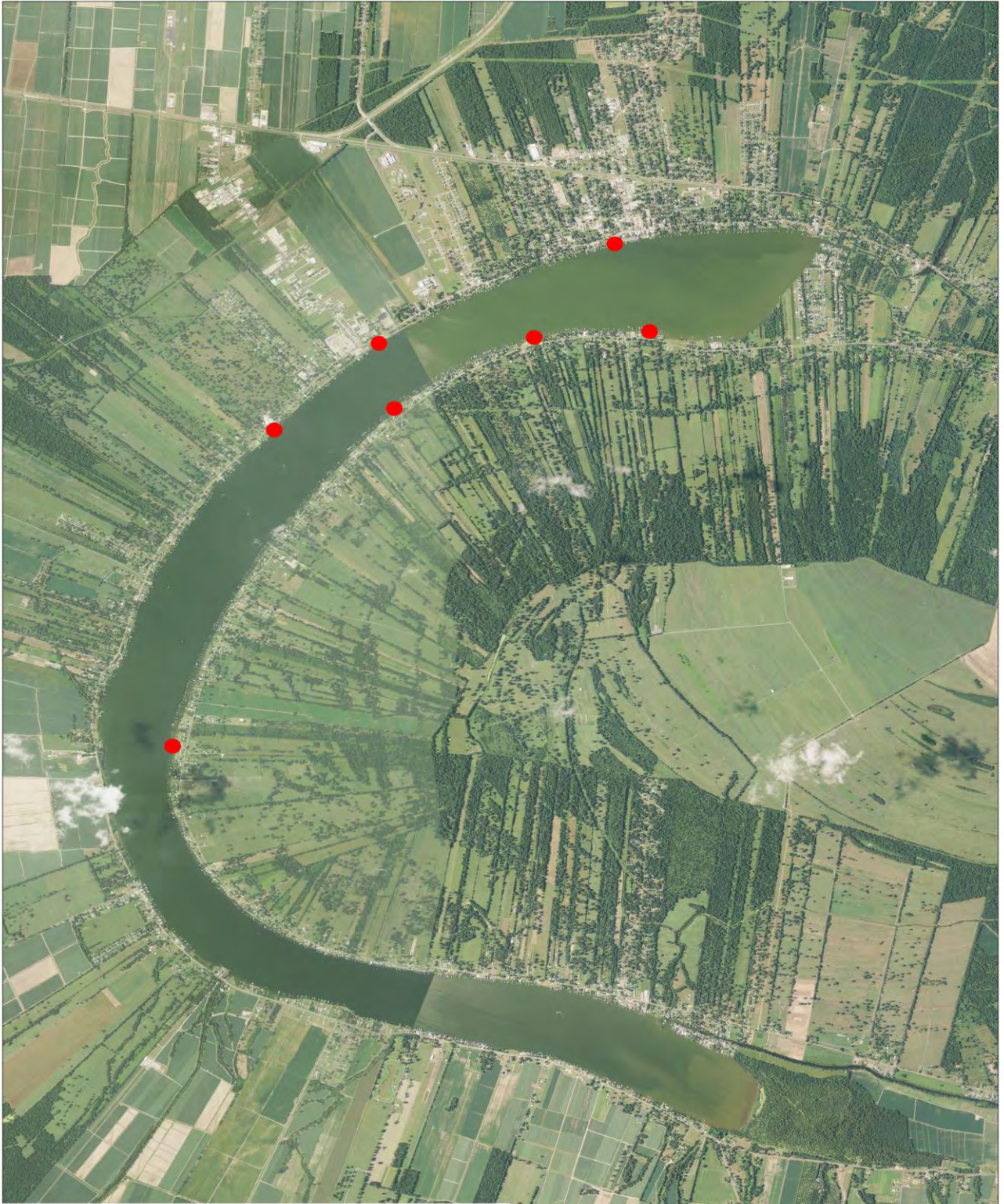


Increase Storage -Two-Stage Ditch

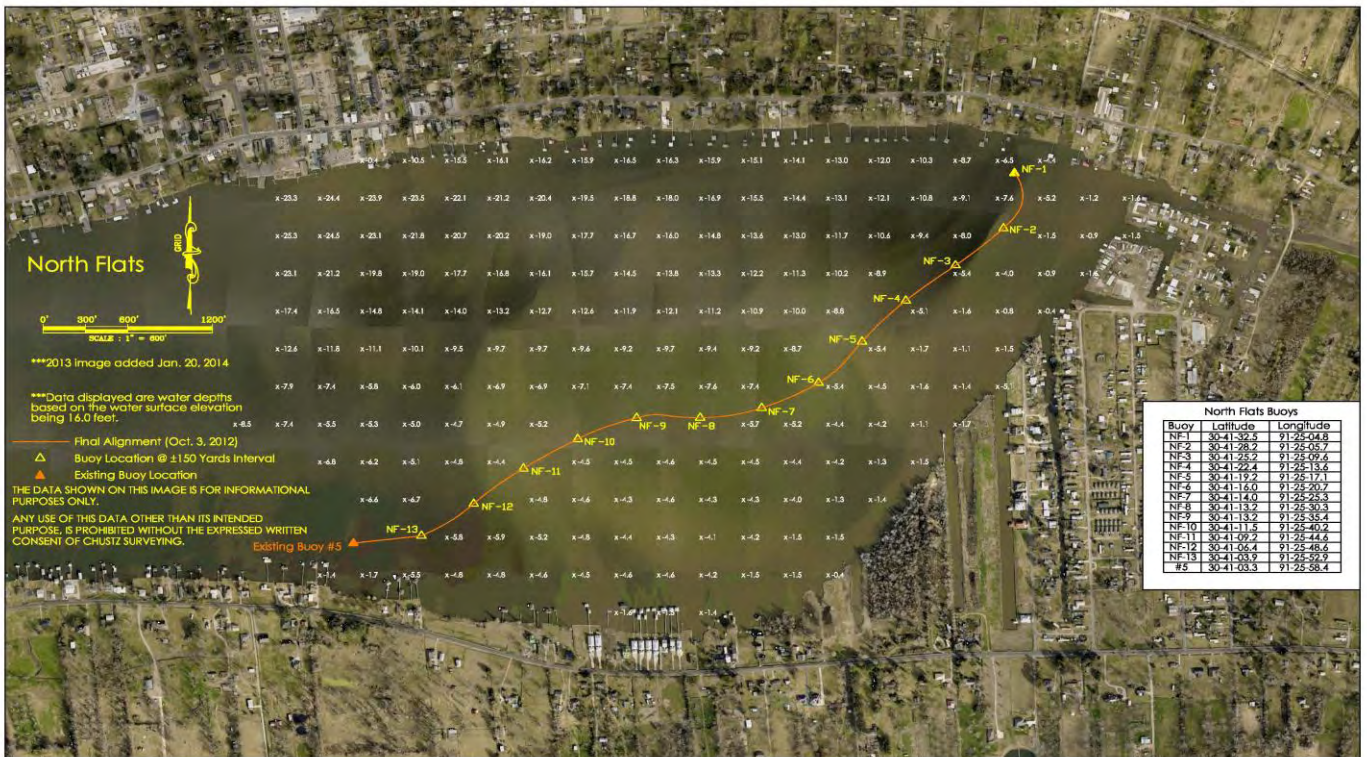
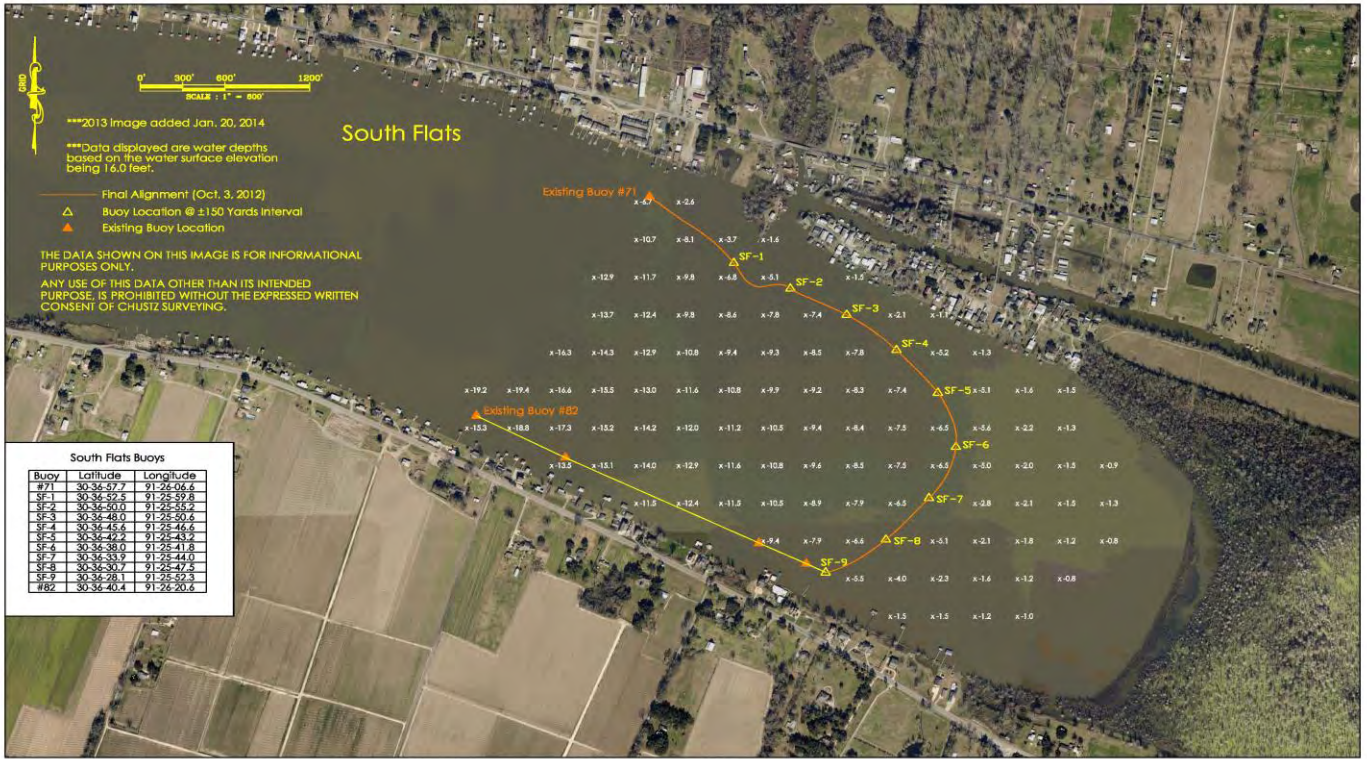
Channel Hydromodification



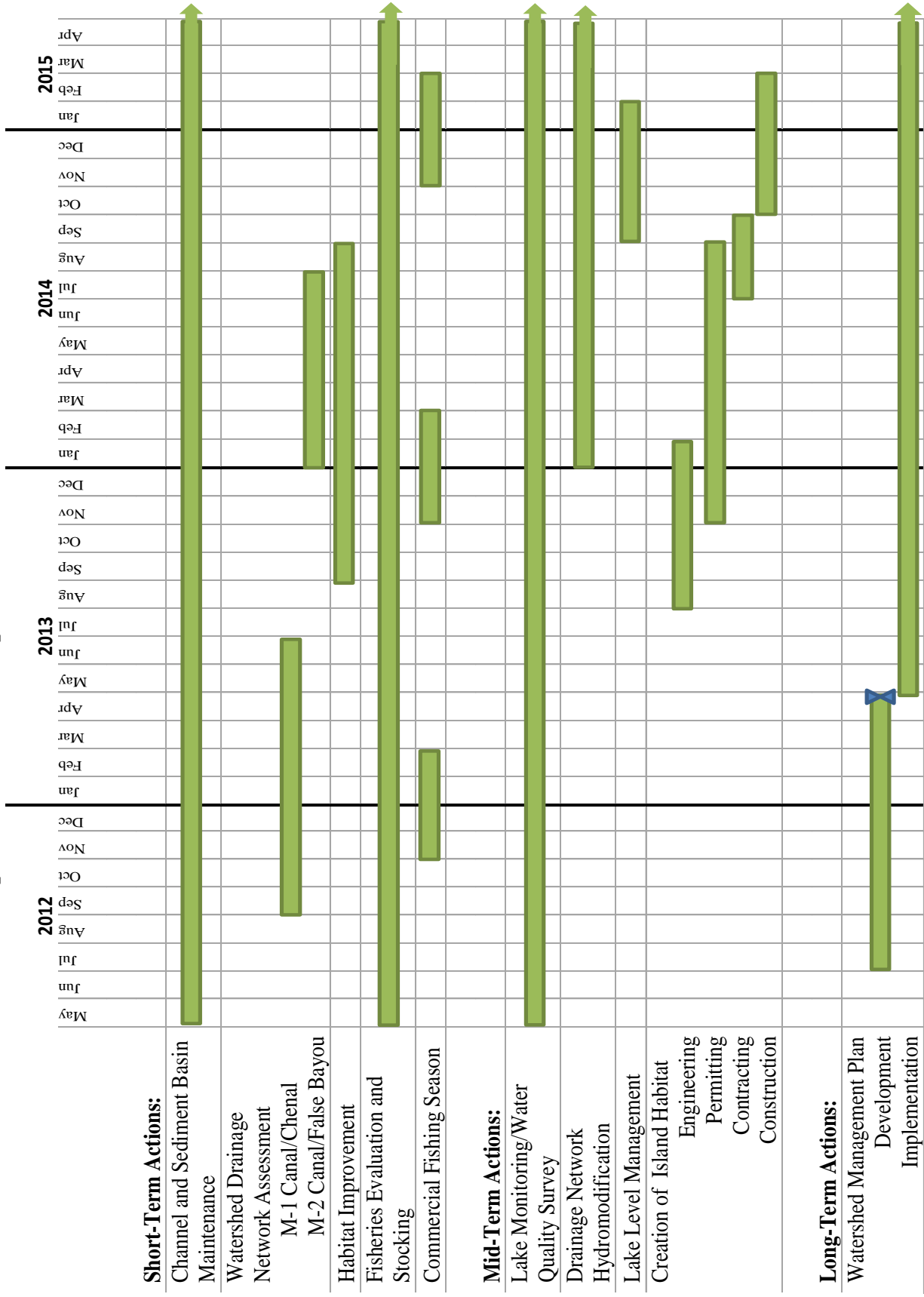
Spawning Beds

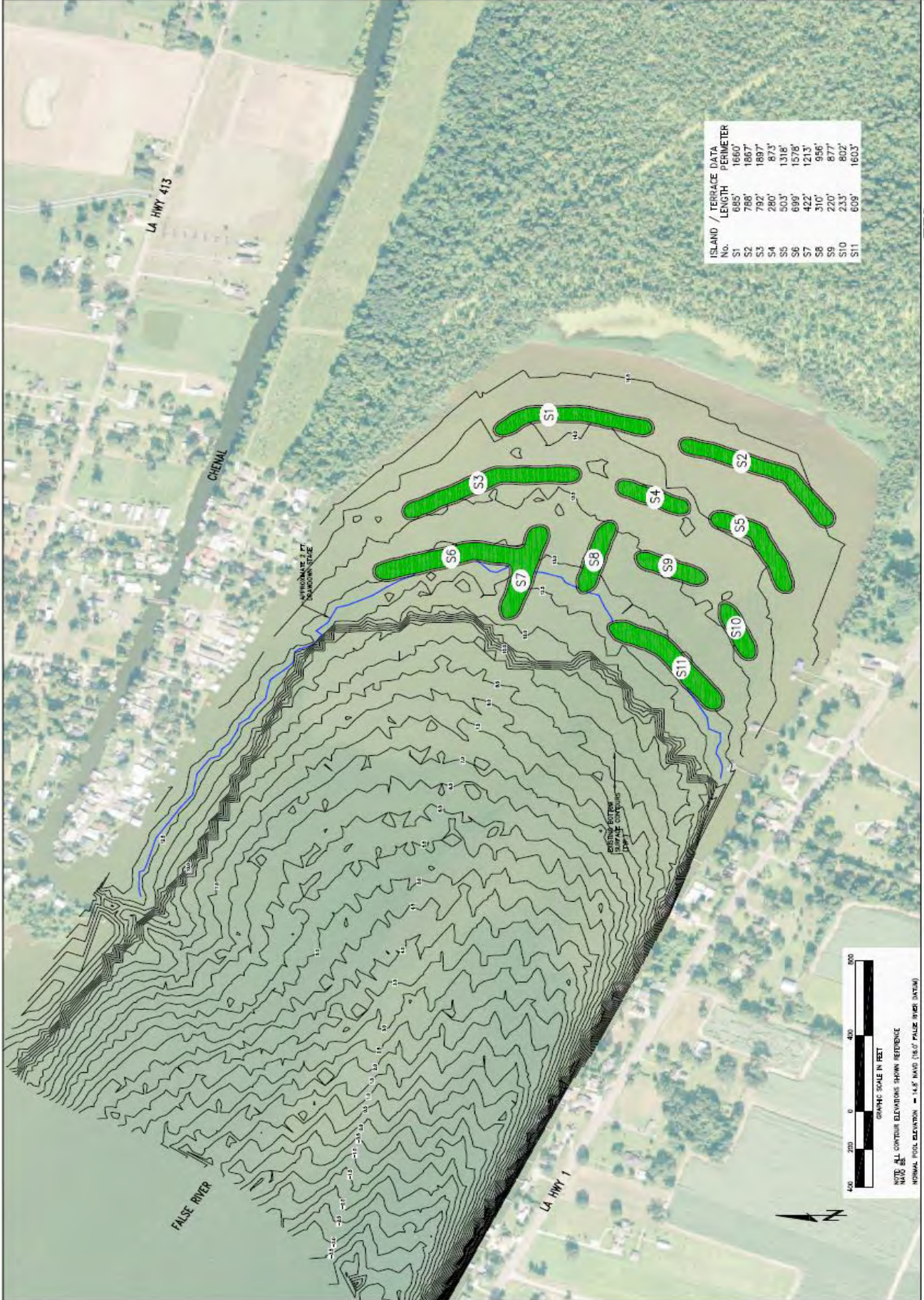


No-Wake Zones



Proposed Short-Term Implementation Schedule





ISLAND No.	TERRACE LENGTH	TERRACE PERIMETER
S1	1660'	685'
S2	788'	1867'
S3	792'	1897'
S4	280'	873'
S5	503'	1318'
S6	698'	1578'
S7	422'	1213'
S8	310'	956'
S9	220'	877'
S10	233'	802'
S11	609'	1603'

420 200 0 200 400 600

GRAPHIC SCALE IN FEET

NOTE: ALL CONTOUR ELEVATIONS SHOWN REFERENCE 1440.00'

NORMAL POOL ELEVATION = 14.8' NAVD (16.0' FALSE VERT. DATUM)

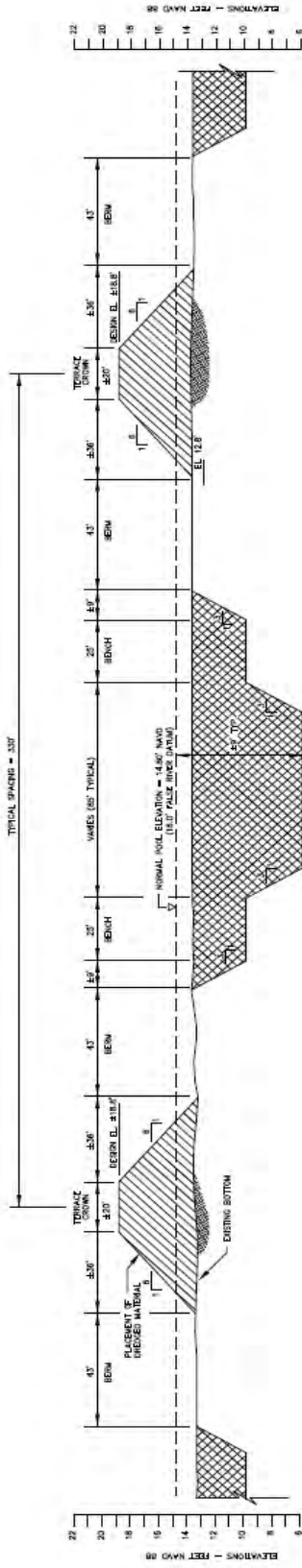
**FALSE RIVER ECOSYSTEM RESTORATION
PHASE I - SOUTH FLATS**

ISLAND / TERRACE CONCEPTUAL PLAN

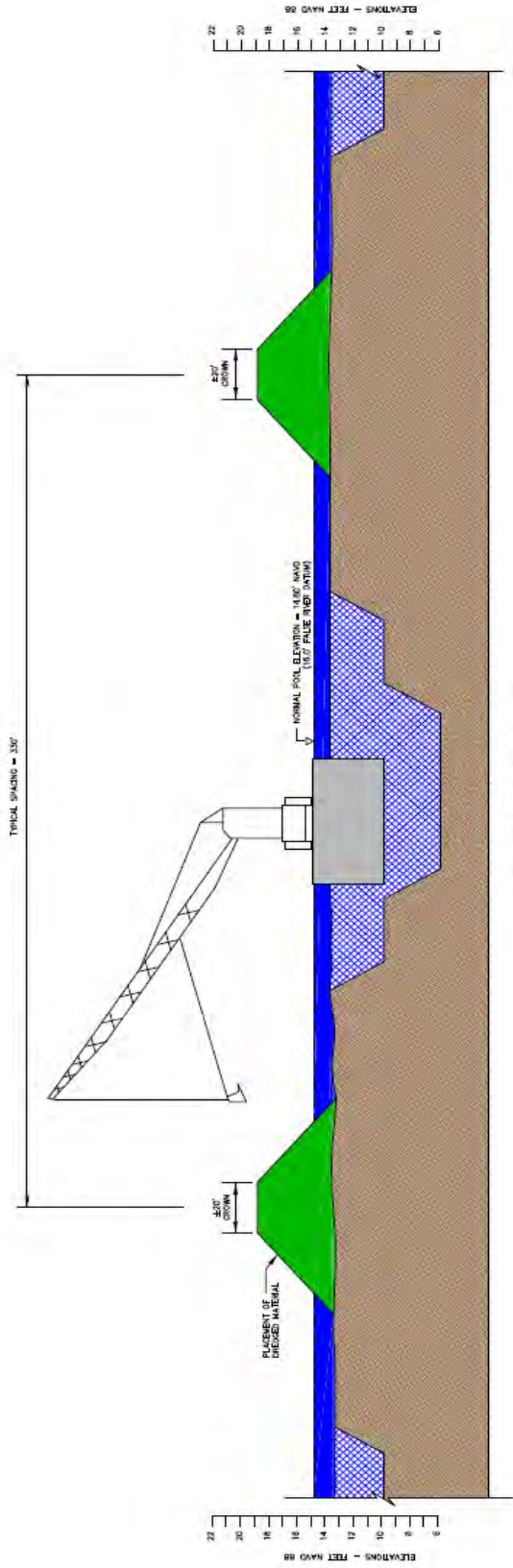


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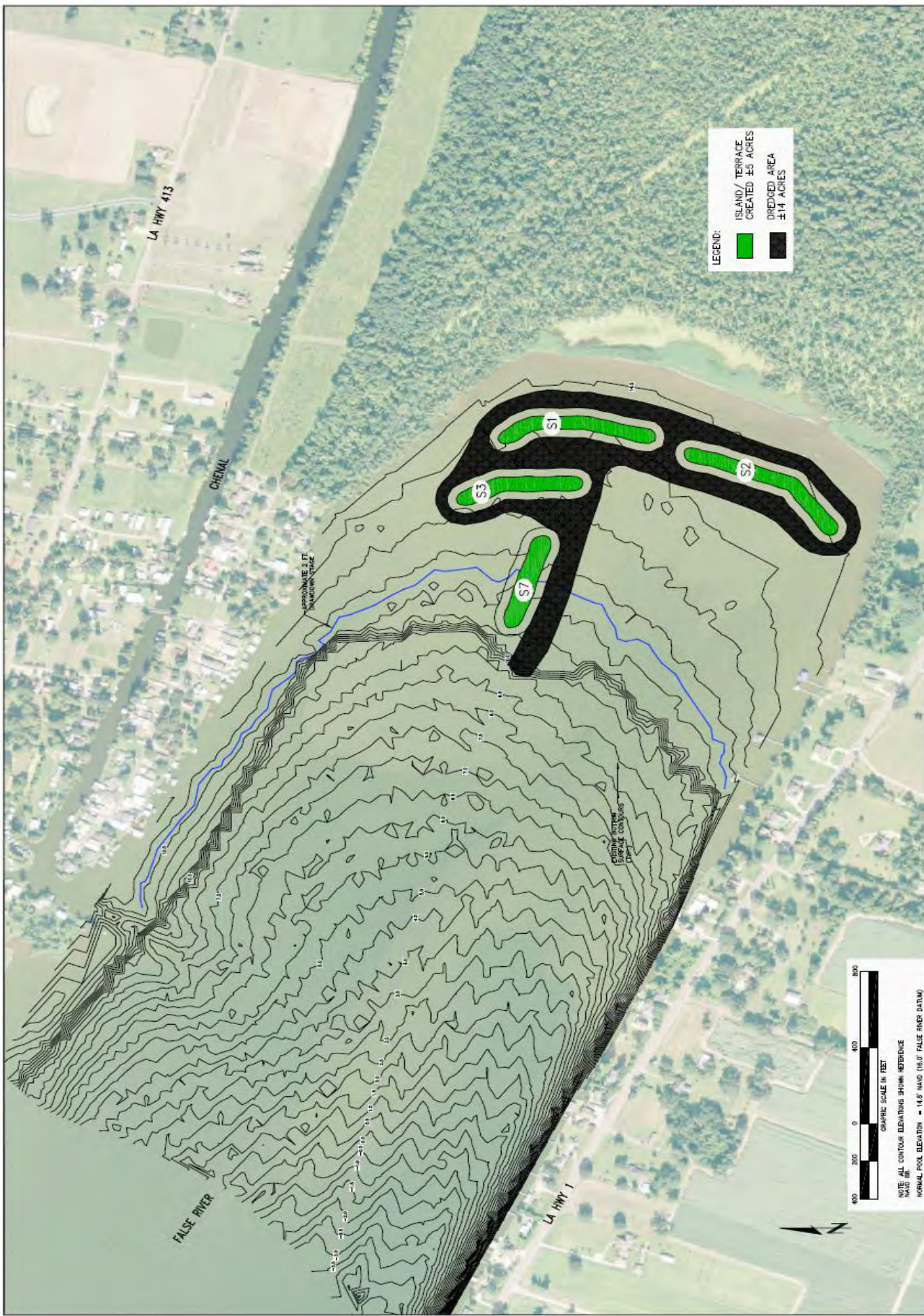
WORK BY



TYPICAL SECTION
HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'



TYPICAL SECTION
HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'



LEGEND:

- ISLAND/TERRACE CREATED ±5 ACRES
- DRENCHED AREA ±14 ACRES

400 200 0 200 400 500
 GRAPHIC SCALE IN FEET
 NOTE: ALL CONTOUR ELEVATIONS SHOWN REFER TO NORMAL FOOT ELEVATION - 14.0' NAVD (16.0' FALSE BARS DATUM)

ISLAND / TERRACE CONCEPTUAL PLAN
 PHASE I CONSTRUCTION

FALSE RIVER ECOSYSTEM RESTORATION
 PHASE I - SOUTH FLATS

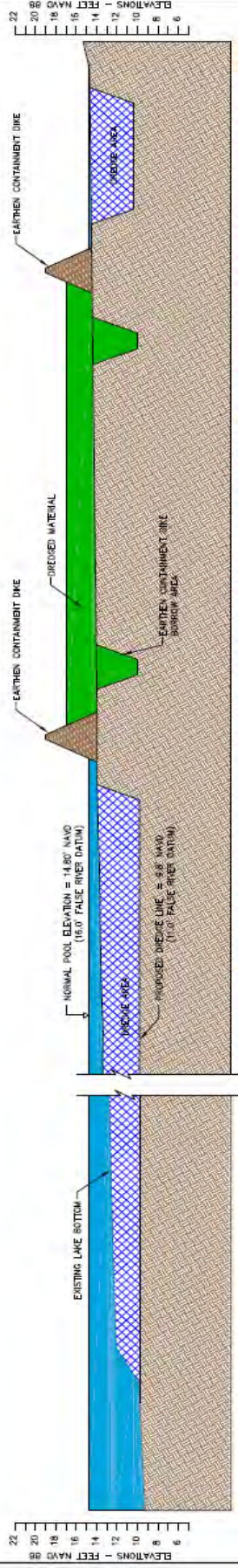


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**CONCEPTUAL PLAN
 HYDRAULIC DREDGING WITH IN LAKE CONTAINMENT**

**FALSE RIVER ECOSYSTEM RESTORATION
 PHASE I - SOUTH FLATS**



TYPICAL SECTION
 DRAWN BY: J. J. J.
 CHECKED BY: J. J. J.
 DATE: 10/20/2023