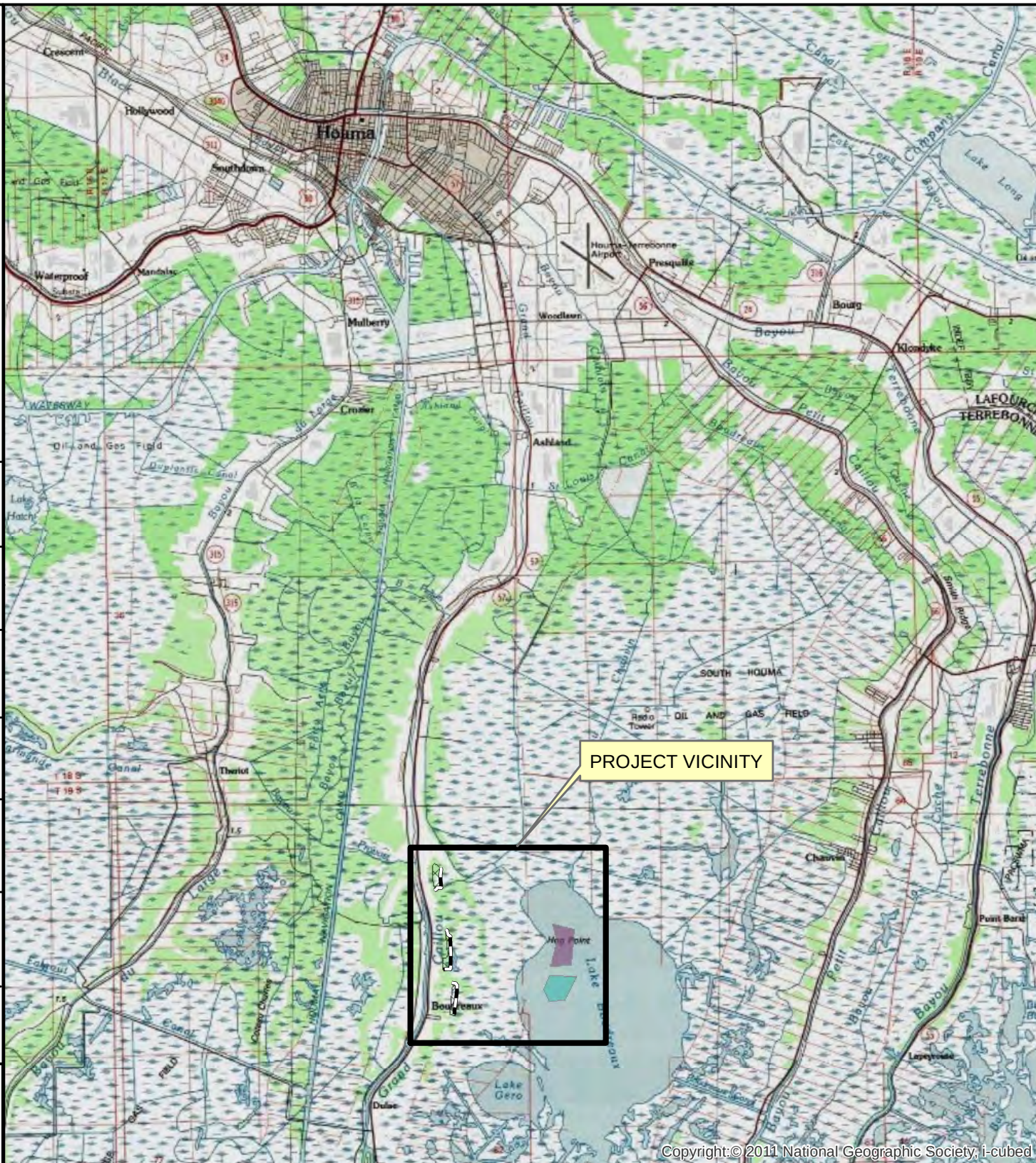


APPENDIX C: AS-BUILT SURVEYS

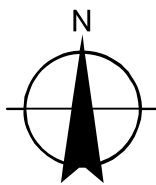
OFFICE	DRAWN BY	CHECKED BY		APPROVED BY		DRAWING NUMBER
		MS	07/11/13	XXX	XXX	
HOUMA	CLiner	07/11/13				

Figure 1



Legend

- Earthen Containment Dike (8,675 ft)
- 75 acre Mitigation Area
- 100 acre Borrow Area
- TE-46 Borrow Area



REFERENCE:

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

NON-FEDERAL LEVEE MITIGATION MONITORING

FIGURE
NUMBER

1

SITE VICINITY MAP



Shaw Coastal, Inc.
(A CBI Company)
197 Elysian Drive
Houma, LA 70363

OFFICE	HOUMA	DRAWN BY	CLINER	CHECKED BY	MS	APPROVED BY	XXX	DRAWING NUMBER	Figure 2
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Legend

- 75 acre Mitigation Area
- 100 acre Borrow Area
- TE-46 Borrow Area
- Suzie Canal ROW
- Orange Street ROW
- Earthen Containment Dike (8,675 ft)
- Pipeline Locations
- Oyster Leases

This map is a general representation of actual field conditions

Aerial Photography - 2007

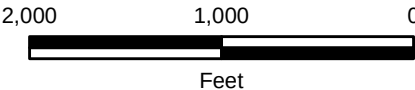
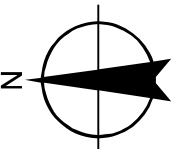
TERREBONNE PARISH CONSOLIDATED GOVERNMENT	
NON-FEDERAL LEVEE MITIGATION MONITORING	
FIGURE NUMBER 2	MITIGATION AREAS
Shaw Coastal, Inc. (A CB&I Company) 197 Elysian Drive Houma, LA 70363	

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY		DRAWING NUMBER	PostConstructionSurveyPoints
			XXX	XXX		
HOUMA	CLINER 06/27/13	MS 07/11/13				



Legend

- Post Construction Survey



This map is a general representation of actual field conditions.

Aerial Photography - c. Mid 2011

REFERENCE: State Plane NAD 83 Feet Louisiana South; NAVD 88

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

NON-FEDERAL LEVEE MITIGATION MONITORING

FIGURE
NUMBER
3

**POST CONSTRUCTION
AS-BUILT SURVEY DATA**



Shaw Coasta, Inc.
(A CB&I Company)
197 Elysian Drive
Houma, Louisiana 70363

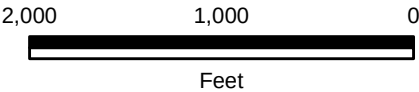
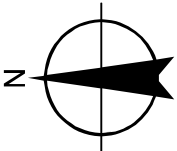
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the G'S User Community

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER	SurveyPoints
HOUMA	CLINER	MS	XXX	XXX	



Legend

- June 2013 Survey



This map is a general representation of actual field conditions.

Aerial Photography - c. Mid 2011

REFERENCE: State Plane NAD 83 Feet Louisiana South; NAVD 88

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

NON-FEDERAL LEVEE MITIGATION MONITORING

FIGURE
NUMBER
4

**JUNE 2013
SURVEY DATA**



Shaw Coasta, Inc.
(A CB&I Company)
197 Elysian Drive
Houma, Louisiana 70363

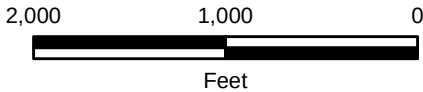
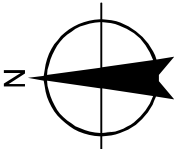
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the G'S User Community

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY		DRAWING NUMBER	MonitoringPlots
			CLINER	XXX		
HOUMA	06/05/13	MS		XXX		



Legend

● Monitoring Sample Plots



This map is a general representation of actual field conditions.

Aerial Photography - c. Mid 2011

REFERENCE: State Plane NAD 83 Feet Louisiana South; NAVD 88

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

NON-FEDERAL LEVEE MITIGATION MONITORING

FIGURE
NUMBER
5

**MITIGATION AREAS AND
MONITORING PLOT LOCATIONS**



Shaw Coasta, Inc.
(A CB&I Company)
197 Elysian Drive
Houma, Louisiana 70363

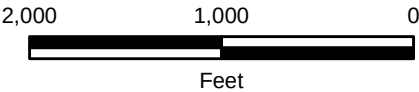
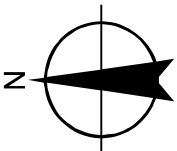
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the G'S User Community

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY		DRAWING NUMBER	SurveyPoints_surface
			CLINER	XXX		
HOUMA	07/15/13	MS	07/15/13	XXX		



Legend

- Area 1**
- 0.1-0.5 (.02 acres)
 - 0.5-1.0 (6.3 acres)
 - 1.0-1.5 (12.9 acres)
 - 1.5-2.0 (3.5 acres)
 - 2.0-2.5 (0.5 acres)
- Area 2**
- 0.5-1.0 (6.6 acres)
 - 1.0-1.5 (7.6 acres)
 - 1.5-2.0 (6.0 acres)
 - 2.0-2.5 (0.6 acres)
- Area 3**
- 0.1-0.5 (2.6 acres)
 - 0.5-1.0 (3.2 acres)
 - 1.0-1.5 (6.3 acres)
 - 1.5-2.0 (3.7 acres)
 - 2.0-2.5 (2.7 acres)
 - 2.5-3.0 (0.4 acres)



This map is a general representation of actual field conditions.

Aerial Photography - c. Mid 2011

REFERENCE: State Plane NAD 83 Feet Louisiana South; NAVD 88

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

NON-FEDERAL LEVEE MITIGATION MONITORING

FIGURE
NUMBER
6

**JUNE 2013
SURFACE CONTOUR DATA**



Shaw Coastal, Inc.
(A CB&I Company)
197 Elysian Drive
Houma, Louisiana 70363

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community



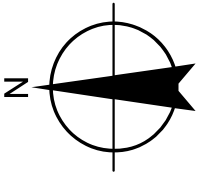
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- | | |
|---------------------------|------------------------------|
| 0.5' - 0.75' (0.16 acres) | 1.5' - 1.75' (4.35 acres) |
| 0.75' - 1.0' (2.76 acres) | 1.75' - 2.0' (0.76 acres) |
| 1.0' - 1.25' (9.22 acres) | 2.0' - 2.25' (0.13 acres) |
| 1.25' - 1.5' (7.95 acres) | 2.25' - greater (0.01 acres) |

This map is a general representation of actual field conditions.

Aerial Photography - USACE, 2017



200 100 0 200 400 Feet

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

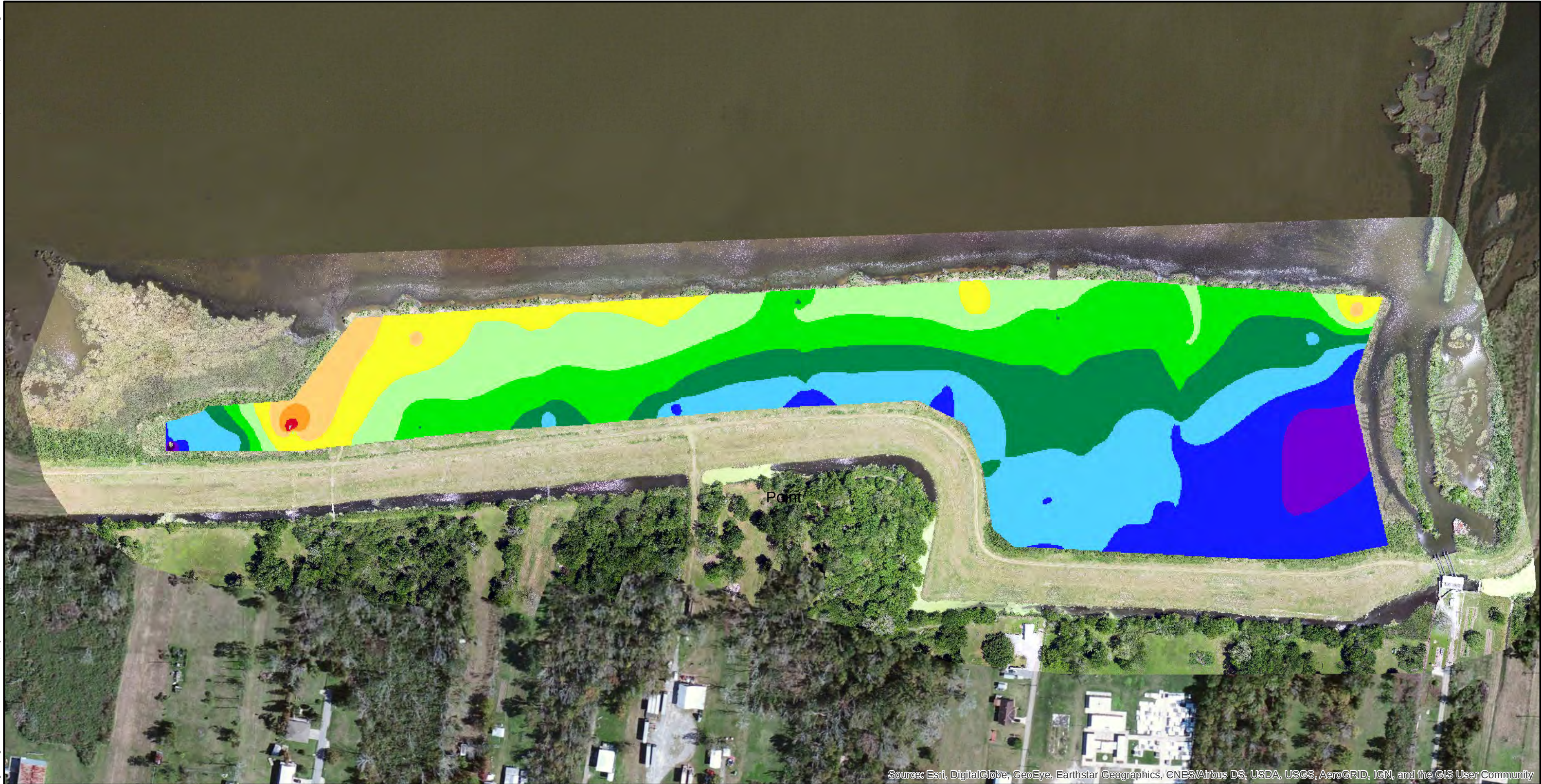
NFL MITIGATION MONITORING REPORT

FIGURE
NUMBER
5

**AREA 1 2017 SURFACE
ELEVATIONS**



197 Elysian Drive
Houma, Louisiana 70363
www.APTIM.com



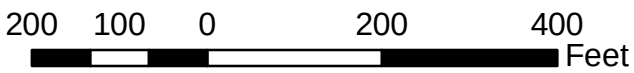
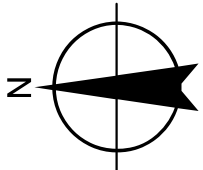
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- | | |
|---------------------------|-----------------------------|
| 0.4 - 0.75' (0.02 acres) | 2.0' - 2.25' (4.03 acres) |
| 0.75' - 1.0' (0.07 acres) | 2.25' - 2.5' (4.58 acres) |
| 1.0' - 1.25' (0.64 acres) | 2.5' - 2.75' (3.31 acres) |
| 1.25' - 1.5' (1.81 acres) | 2.75' - 3.0' (0.95 acres) |
| 1.5' - 1.75' (3.67 acres) | 3.0' - greater (0.01 acres) |
| 1.75' - 2.0' (5.07 acres) | |

This map is a general representation of actual field conditions.

Aerial Photography - USACE, 2017



TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

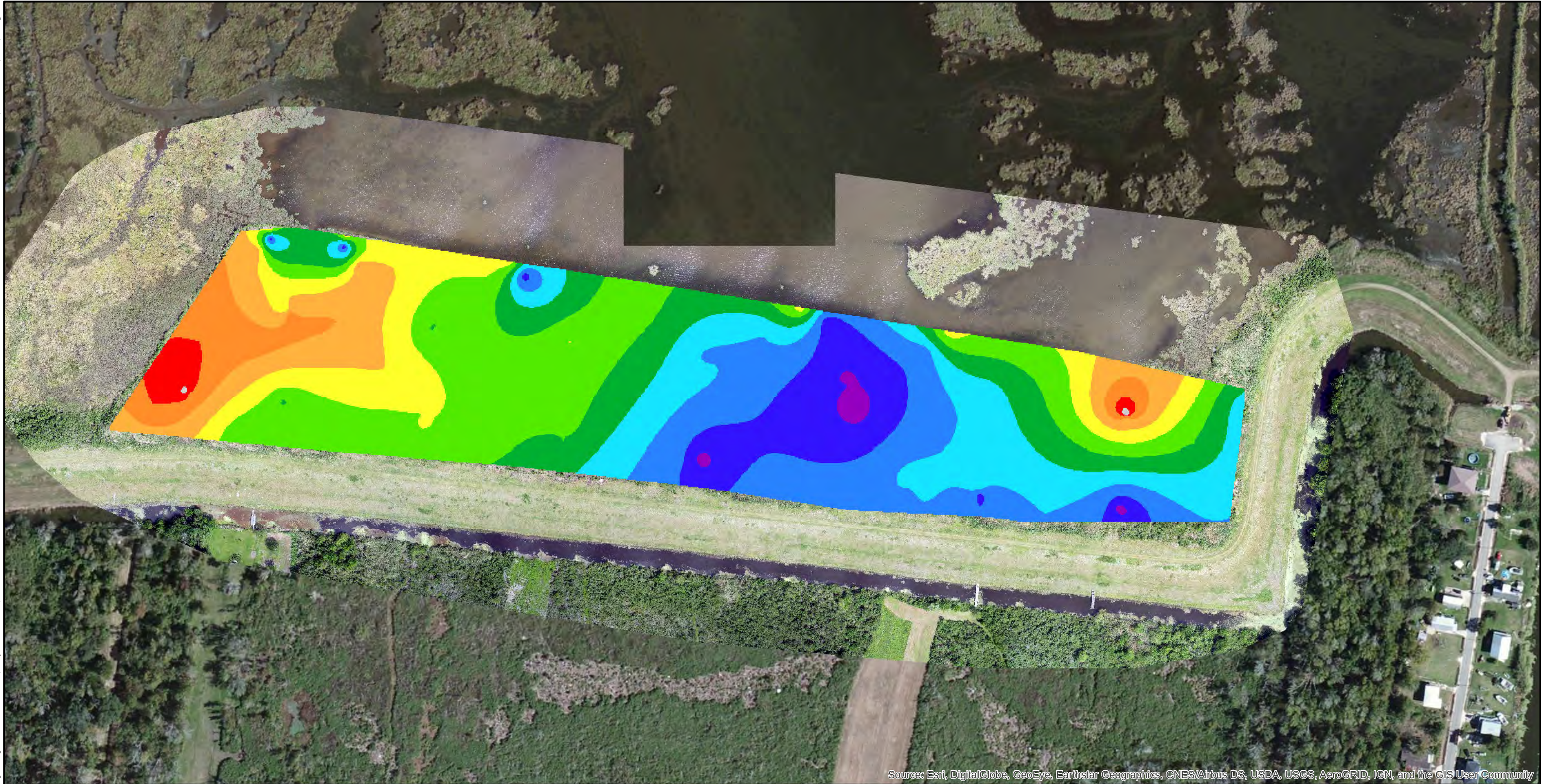
NFL MITIGATION MONITORING REPORT

FIGURE
NUMBER
6

**AREA 2 2017 SURFACE
ELEVATIONS**



197 Elysian Drive
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www.APTIM.com



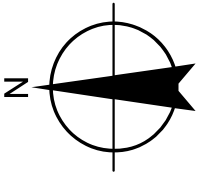
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- | | |
|---------------------------|-----------------------------|
| 0.0 - 0.25' (0.01 acres) | 1.5' - 1.75' (2.70 acres) |
| 0.25' - 0.5' (0.32 acres) | 1.75' - 2.0' (3.13 acres) |
| 0.5' - 0.75' (1.09 acres) | 2.0' - 2.25' (3.29 acres) |
| 0.75' - 1.0' (1.85 acres) | 2.25' - 2.5' (1.90 acres) |
| 1.0' - 1.25' (2.17 acres) | 2.5' - greater (0.15 acres) |
| 1.25' - 1.5' (4.96 acres) | |

This map is a general representation of actual field conditions.

Aerial Photography - USACE, 2017



200 100 0 200 400 Feet

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT

NFL MITIGATION MONITORING REPORT

FIGURE
NUMBER
7

**AREA 3 2017 SURFACE
ELEVATIONS**



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