



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil



Public Notice

APPLICATION NO.:	MVK-2017-951
EVALUATOR:	Ms. Kristi Hall
PHONE NO.:	(601) 631-7528
E-MAIL:	Kristina.W.Hall@usace.army.mil
DATE:	April 10, 2018
EXPIRATION DATE:	May 10, 2018

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District, is considering a proposal to establish the Three Creeks Mitigation Bank. A prospectus has been received describing the proposed bank from Peace River Mitigation, LLC, the bank Sponsor. The proposed site is located in Sections 11, 12, 13, and 14, T23N-R5W and Claiborne Parish, Louisiana (enclosure).

Description: The Three Creeks Mitigation Bank is being proposed by the bank sponsor as a means to meet the requirements for compensatory mitigation for future and yet unknown wetland and stream losses which may be permitted by the Corps under the authority of Section 404 of the Clean Water Act.

The proposed bank site is approximately six miles north of Summerfield, Louisiana and seven miles southwest of Junction City, Arkansas. The site is and has historically been used as a pine plantation.

Baseline Conditions / Current Land Use / Proposed Actions:

According to the preliminary jurisdictional determination issued by the Vicksburg District, the property consists of approximately 275.6 acres, with 161.4 acres of young planted pines, 57.9 acres of bottomland hardwood wetlands, 1,719 linear feet of intermittent stream, 16,041 linear feet of perennial stream.

Vegetation can be characterized by young planted pines and mature bottomland hardwoods. Dominant species in planted pine wetlands are loblolly pine (*Pinus taeda*), saw-tooth blackberry (*Rubus argutus*), dogfennel (*Eupatorium capillifolium*), common boneset (*Eupatorium perfoliatum*), swamp smartweed (*Persicaria hydropiperoides*), round-head rush (*Juncus validus*), lamp rush (*Juncus effuses*), broom rosette grass (*Dichanthelium scoparium*), cypress rosette grass (*Dichanthelium dichotomum*), yellow-fruit rush (*Carex annectens*),

white-edge sedge (*Carex debilis*), common fox sedge (*Carex vulpinoidea*), marsh flat sedge (*Cyperus pseudovegetus*), rusty flat sedge (*Cyperus odoratus*), short-bristle horned beak sedge (*Rhynchospora corniculata*), slender wood-oats (*Chasmanthium laxum*), tall goldenrod (*Solidago altissima*), blunt spike-rush (*Eleocharis obtusa*), wing-leaf primrose-willow (*Ludwigia decurrens*), late goldenrod (*Solidago gigantea*), muscadine (*Vitis rotundifolia*), and American buckwheatvine (*Brunnichia ovata*). Tree species identified in mature hardwoods along stream corridors include willow oak (*Quercus phellos*), water oak (*Quercus nigra*), swamp chestnut oak (*Quercus michauxii*), sweetgum (*Liquidambar styraciflua*), southern bald-cypress (*Taxodium distichum*), American hornbeam (*Carpinus caroliniana*), common buttonbush (*Cephalanthus occidentalis*), southern arrow-wood (*Viburnum dentatum*), and southern bayberry (*Morella cerifera*).

The Natural Resources Conservation Service (NRCS) has mapped the soils in the proposed mitigation bank as Bowie fine sandy loam (Bw); Guyton-Ouachita silt loams, (Go); Eastwood very fine sandy loam (Ed); and Flo loamy fine sand (Fo). Only the Guyton- Ouachita silt loam is listed on the hydric soils list (NRCS 2015 National Hydric Soil List).

The proposed Three Creeks Mitigation Bank site is located in the Bayou D'Arbonne Watershed of the Ouachita River, within the United States Geological Survey (USGS) Hydrologic Unit Code (HUC) 08040206. The hydrogeomorphic wetland class of the proposed Three Creeks Mitigation Bank is a combination of riverine wetlands and depressional wetlands, with primary sources of hydrology from riverine backwater flooding, overland flow from adjacent lands, and direct precipitation.

The proposed work plan involves degrading beds created for establishing pine plantations, afforestation of wetlands and riparian buffers, fluvial geomorphological restoration of streams, and implementation of effective short-term management strategies to successfully establish the mitigation bank (see table below).

HABITAT	ACREAGE	LINEAR FEET
Jurisdictional Areas		
Bottomland Hardwood Rehabilitation (Bedded Pine Dominant Wetlands)	96.09	
Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)	9.01	
Cypress/Tupelo Swamp Enhancement	9.16	
Bottomland Hardwood Preservation	15.61	
Stream Buffer Bottomland Hardwood Rehabilitation (Bedded Pine Dominant Wetlands)	35.53	7,195
Stream Buffer Bottomland Hardwood	5.19	1,051

Enhancement (Non-Bedded Pine Dominant Wetlands)		
Stream Buffer Bottomland Hardwood Preservation	32.72	6,626
Intermittent Tributaries Preliminary Alignment and Riparian Buffer Corridor	17.05	2,639
Instream Preservation (Three Creeks)	14.78	16,041
TOTAL	235.14	33,552
Non-Jurisdictional Areas		
Upland Buffer Restoration	31.70	
Upland Buffer Preservation	1.82	
Upland Stream Buffer Restoration	2.38	482
Upland Stream Buffer Preservation	3.39	686
Existing Roads	1.13	
TOTAL	40.42	1,168

Service Area: This Mitigation Bank would be established to provide mitigation to compensate for impacts to waters of the United States, including wetlands, within the Corps of Engineers Vicksburg District Regulatory Boundary in the state of Louisiana. The proposed service area for this mitigation bank is demarcated by the United States Geologic Survey as hydrologic unit codes 08040206 and 08040207. Decisions authorizing the use of credits from the Mitigation Bank will be made by the appropriate authority on a case by case basis in accordance with all applicable requirements.

Comments on this proposed mitigation bank may be provided to the Corps at the address below. Comments should be received no later than the expiration date of this public notice. The prospectus, which outlines the conceptual plan for the bank, is available at the following website:

<http://www.mvk.usace.army.mil/Missions/Regulatory/PublicNotices.aspx>

The prospectus is available for review at the Vicksburg District, Corps of Engineers at the address given below. Please provide comments to:

U.S. Army Corps of Engineers
Vicksburg District
ATTN: CEMVK-OD-F
4155 Clay Street
Vicksburg, Mississippi 39183-3485

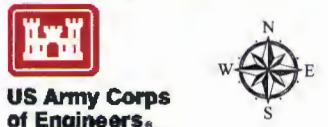
Thomas A. McCabe
Thomas A McCabe
Chief, Evaluation Section
Regulatory Branch



March 1, 2018
 MVK-2017-951
 Project Activities:
 Proposed Mitigation
 Bank
 Location:
 Section 12, T23N-R5W
 Summerfield, Quadrangle
 Claiborne Parish, Louisiana
 Map Background:
 DigitalGlobe Imagery
 Taken: October 04, 2016
 Preliminary
 Jurisdictional Determination

Legend

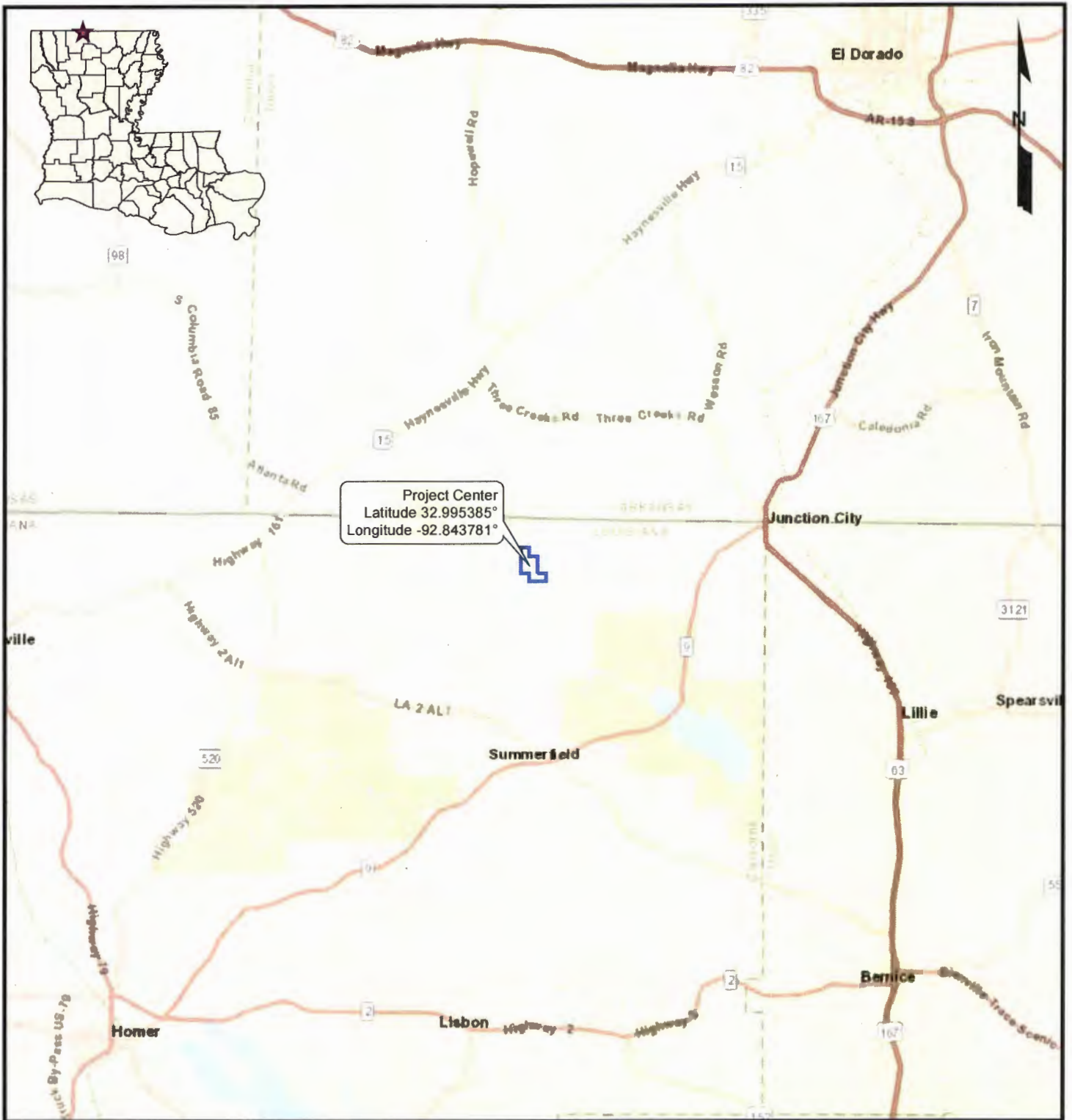
- | | |
|-----------------------------------|------------------------------------|
| Property Boundary (275.59 acres) | Wetlands |
| Intermittent Stream (1719.5 feet) | Bottom Land Hardwood (57.90 acres) |
| Perennial Stream (16,041.13 feet) | Pine Dominated (161.43 acres) |
| Uplands (44.45) | |



Regulatory Branch
 Enforcement Section



Prepared by: Joshua Moffi
 Enclosure 2



Legend

 Three Creeks Mitigation Bank (275.56 acres)

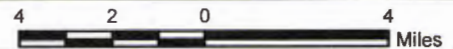
Source: Base map comprised of ESRI StreetMap USA data.

Vicinity Map

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC

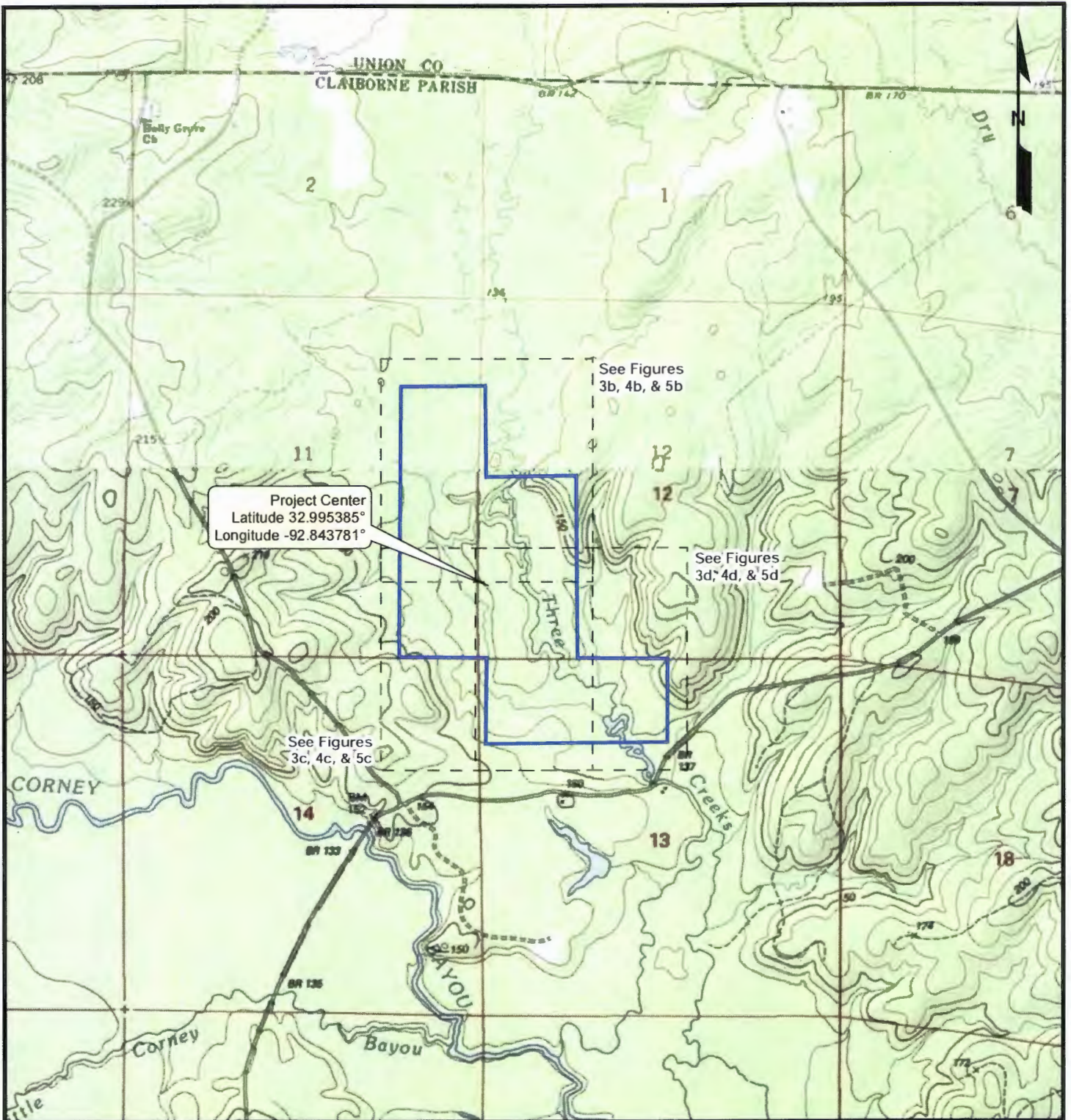
Three Creeks Mitigation Bank



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Approved By	LAW
Date	3/5/2018
Drawing No.	17-345-A010

1
Figure No.



Legend

- Three Creeks Mitigation Bank (275.56 acres)
- Site Plan Index

Site Location Map

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC
Three Creeks Mitigation Bank



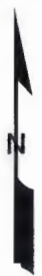
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Date	3/7/2018
Drawing No.	17-345-A011

2

Figure No.

Source: Base map comprised of U.S.G.S. 7.5-minute topographic map(s), "Summerfield, LA" dated 1986; and "Wesson, AR-LA" dates 1971, photoinspected 1976.



New Home Road

Legend

-  Three Creeks Mitigation Bank (275.56 acres)
-  Bottomland Hardwood Wetlands (48.69 acres)
-  Bedded Pine Dominant Wetlands (146.20 acres)
-  Non-Bedded Pine Dominant Wetlands (14.20 acres)
-  Degraded Cypress/Tupelo Swamp (9.16 acres)
-  Hardwood Dominant Uplands (5.26 acres)
-  Pine Dominant Uplands (35.75 acres)
-  Three Creeks (14.78 acres)
-  Intermittent Tributary to Three Creeks #1 (0.39 acre)
-  Existing Roads (1.13 acres)

Pre-Restoration Site Plan

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

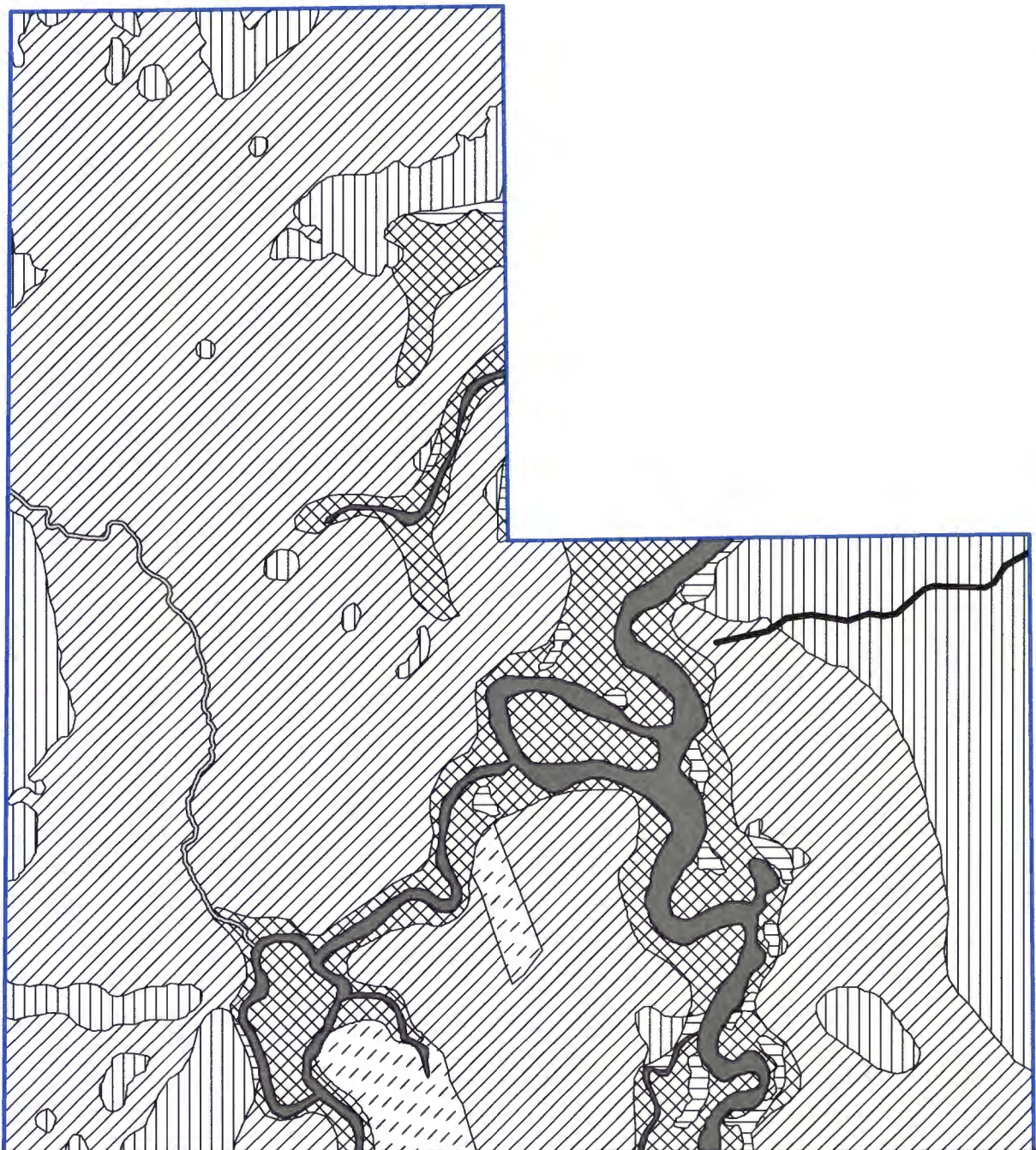
Peace River Mitigation, LLC
Three Creeks Mitigation Bank



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Drawing No.	17-345-A012

3a
Figure No.



Legend

	Three Creeks Mitigation Bank (275.56 acres)
	Bottomland Hardwood Wetlands (48.69 acres)
	Bedded Pine Dominant Wetlands (146.20 acres)
	Non-Bedded Pine Dominant Wetlands (14.20 acres)
	Degraded Cypress/Tupelo Swamp (9.16 acres)
	Hardwood Dominant Uplands (5.26 acres)
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	Existing Roads (1.13 acres)

Pre-Restoration Site Plan

Mitigation Bank Prospectus
 Claiborne Parish, Louisiana

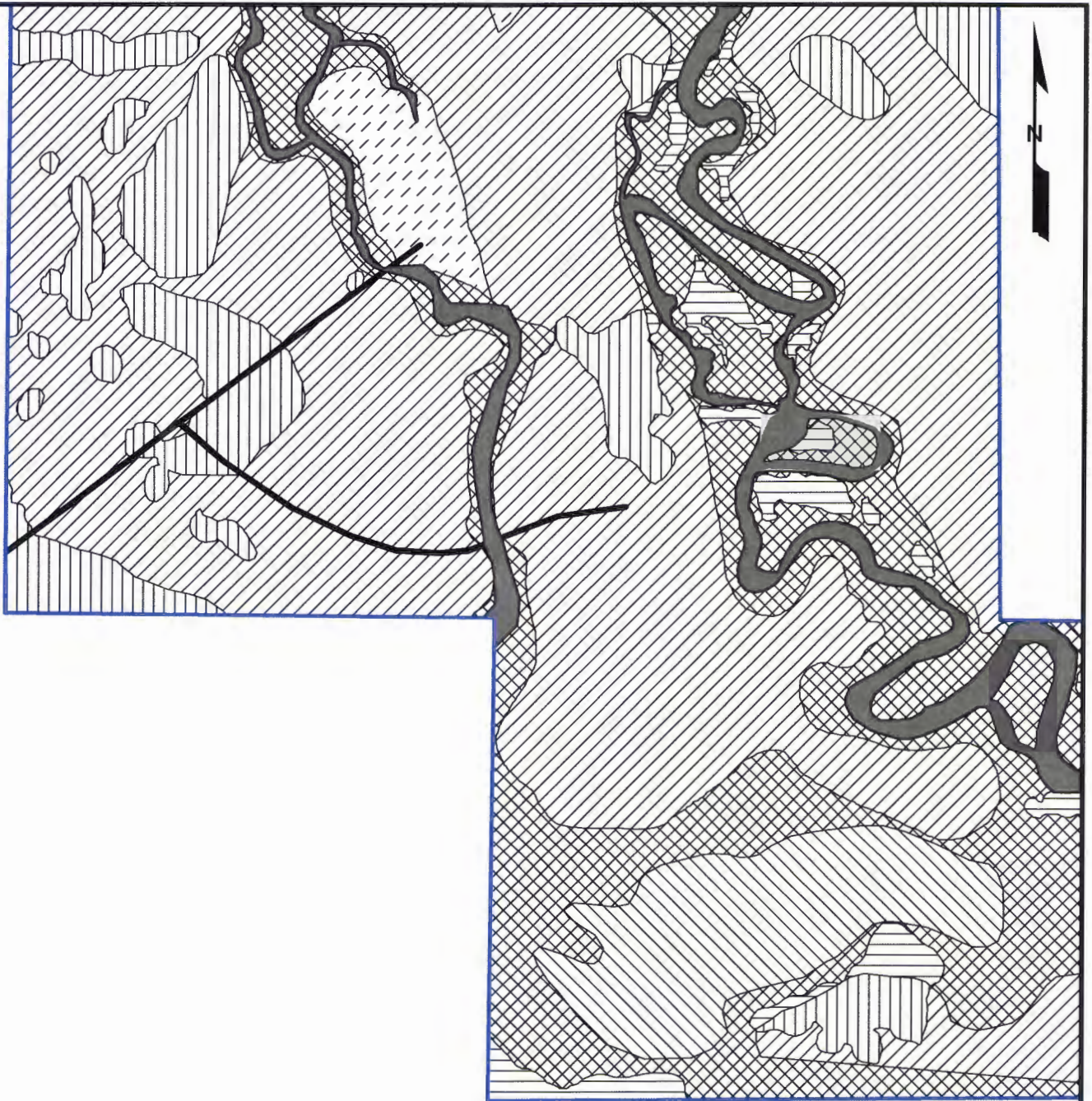
Peace River Mitigation, LLC
 Three Creeks Mitigation Bank



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Approved By	LAW
Date	3/6/2018
Drawing No.	17-345-A013

3b
 Figure No.



Legend

-  Three Creeks Mitigation Bank (275.56 acres)
-  Bottomland Hardwood Wetlands (48.69 acres)
-  Bedded Pine Dominant Wetlands (146.20 acres)
-  Non-Bedded Pine Dominant Wetlands (14.20 acres)
-  Degraded Cypress/Tupelo Swamp (9.16 acres)
-  Hardwood Dominant Uplands (5.26 acres)
-  Pine Dominant Uplands (35.75 acres)
-  Three Creeks (14.78 acres)
-  Intermittent Tributary to Three Creeks #1 (0.39 acre)
-  Existing Roads (1.13 acres)

Pre-Restoration Site Plan

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC

Three Creeks Mitigation Bank



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3c

Figure No.



New Home Road

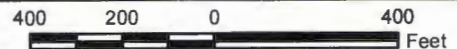
Legend

-  Three Creeks Mitigation Bank (275.56 acres)
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Pre-Restoration Site Plan

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC
Three Creeks Mitigation Bank

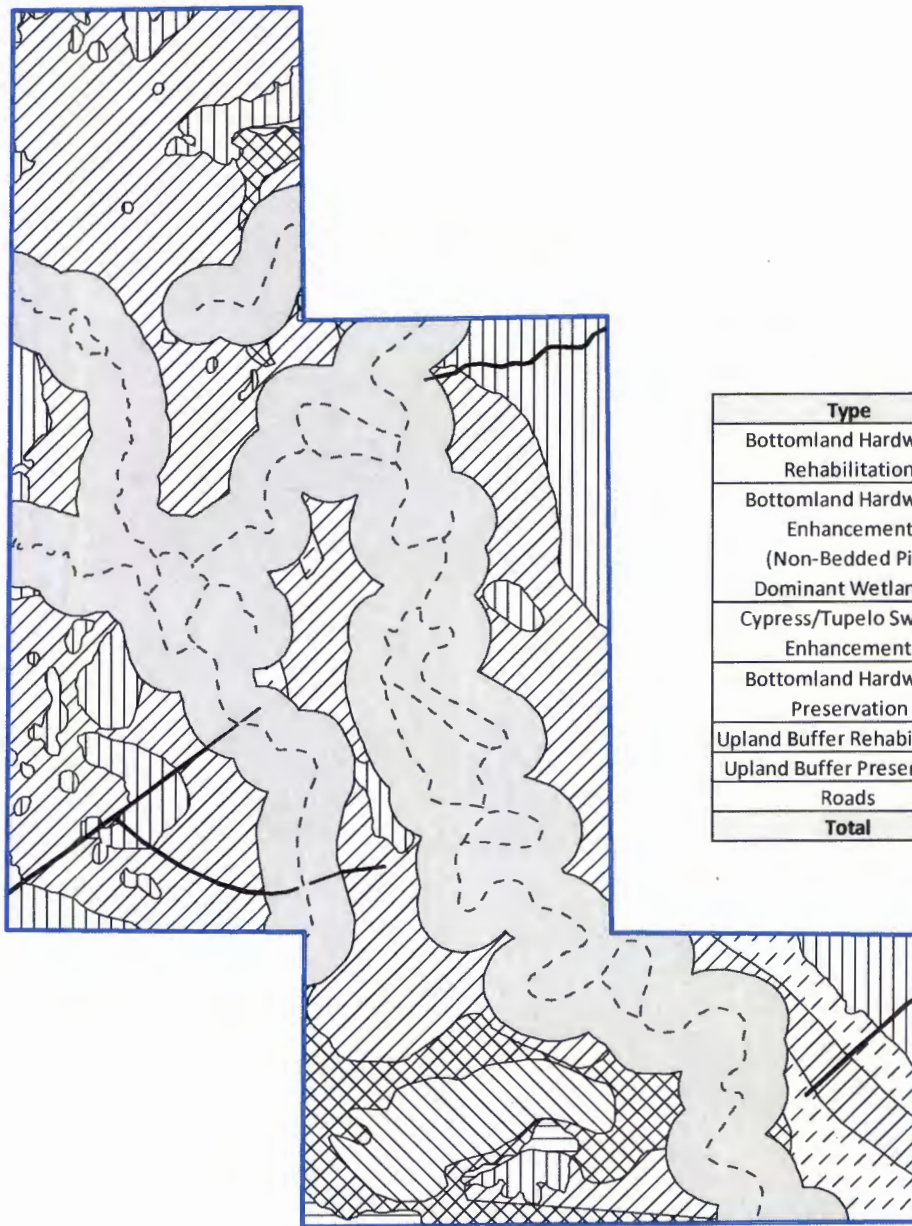


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3d

Figure No.



Type	Acreage
Bottomland Hardwood Rehabilitation	96.09
Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)	9.01
Cypress/Tupelo Swamp Enhancement	9.16
Bottomland Hardwood Preservation	15.61
Upland Buffer Rehabilitation	31.70
Upland Buffer Preservation	1.82
Roads	1.13
Total	164.52

Legend

- Three Creeks Mitigation Bank (275.56 acres)
- Bottomland Hardwood Rehabilitation (Bedded Pine Dominant Wetlands)
- Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
- Cypress/Tupelo Swamp Enhancement
- Bottomland Hardwood Preservation
- Upland Buffer Rehabilitation
- Upland Buffer Preservation
- Existing Roads
- Stream Centerline
- Streams and Stream Buffers (See Figures 5a-5d)

**Post-Restoration Site Plan
Wetlands**

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC

Three Creeks Mitigation Bank

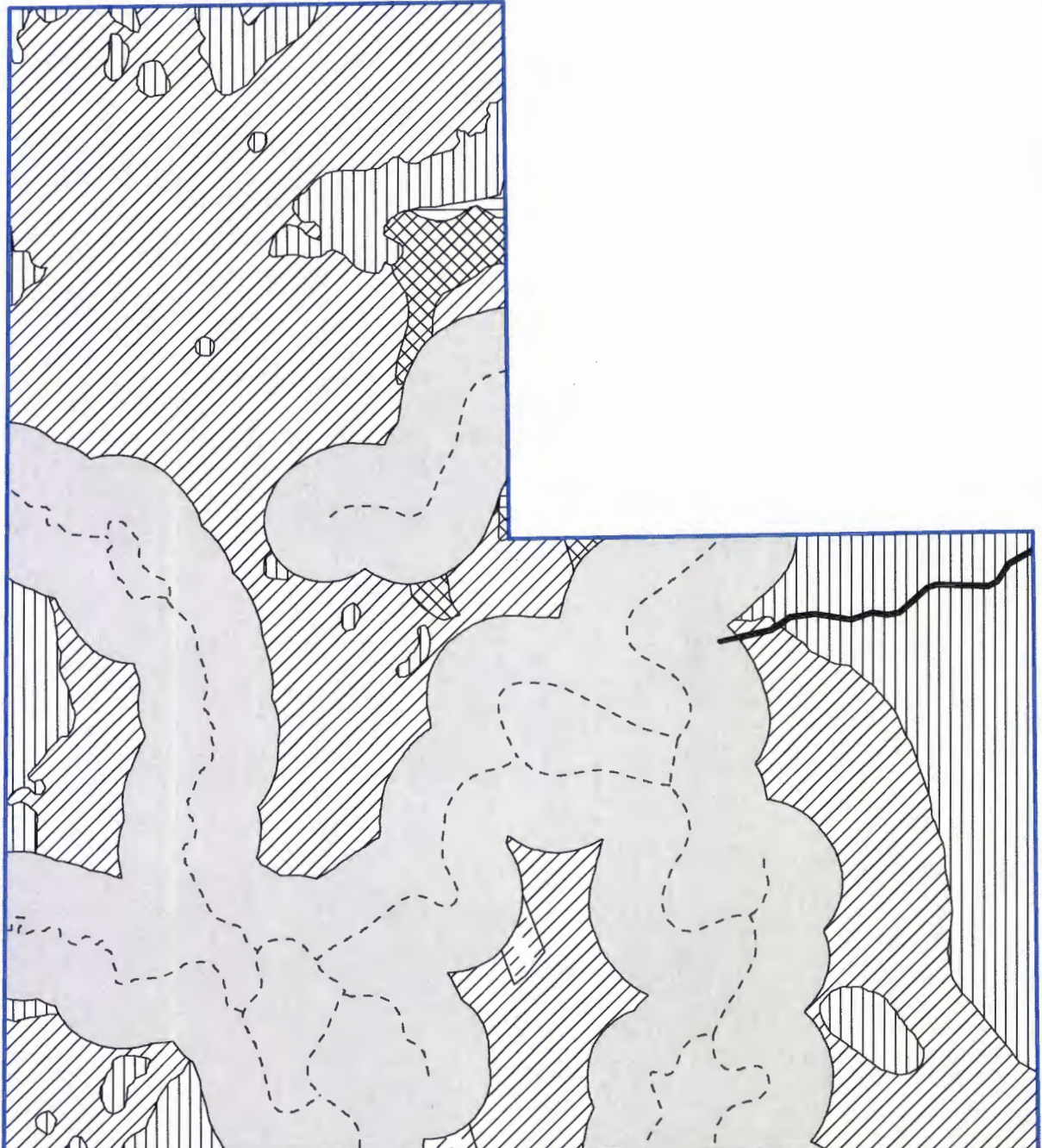


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




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Figure No.



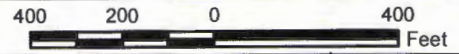
Legend

-  Three Creeks Mitigation Bank (275.56 acres)
-  Bottomland Hardwood Rehabilitation (Bedded Pine Dominant Wetlands)
-  Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
-  Cypress/Tupelo Swamp Enhancement
-  Bottomland Hardwood Preservation
-  Upland Buffer Rehabilitation
-  Upland Buffer Preservation
-  Existing Roads
-  Stream Centerline
-  Streams and Stream Buffers (See Figures 5a-5d)

**Post-Restoration Site Plan
Wetlands**

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

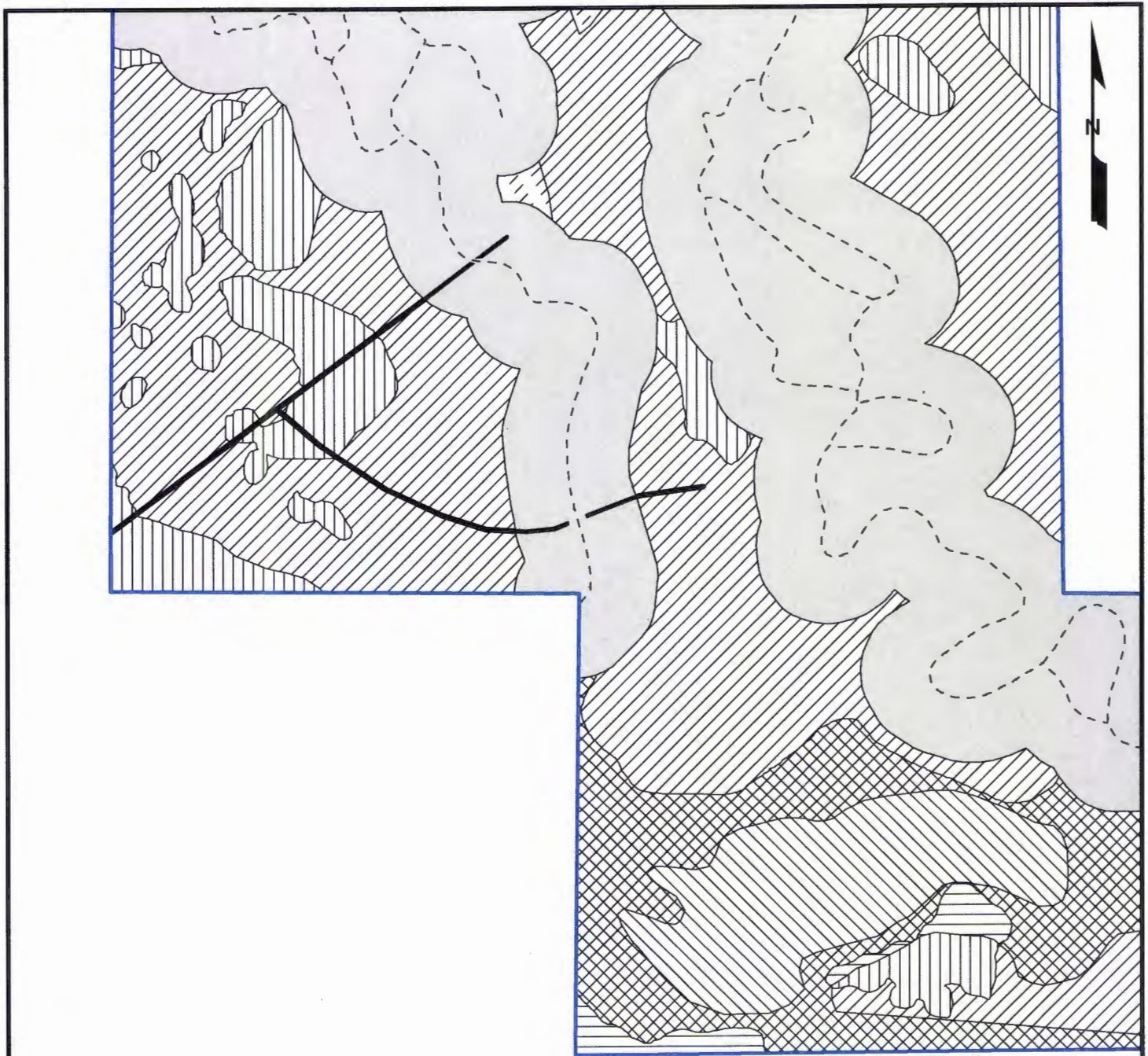
Peace River Mitigation, LLC
Three Creeks Mitigation Bank













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Drawing No.	17-345-A015

4b
Figure No.



Legend

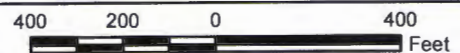
-  Three Creeks Mitigation Bank (275.56 acres)
-  Bottomland Hardwood Rehabilitation (Bedded Pine Dominant Wetlands)
-  Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
-  Cypress/Tupelo Swamp Enhancement
-  Bottomland Hardwood Preservation
-  Upland Buffer Rehabilitation
-  Upland Buffer Preservation
-  Existing Roads
-  Stream Centerline
-  Streams and Stream Buffers (See Figures 5a-5d)

**Post-Restoration Site Plan
Wetlands**

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC

Three Creeks Mitigation Bank

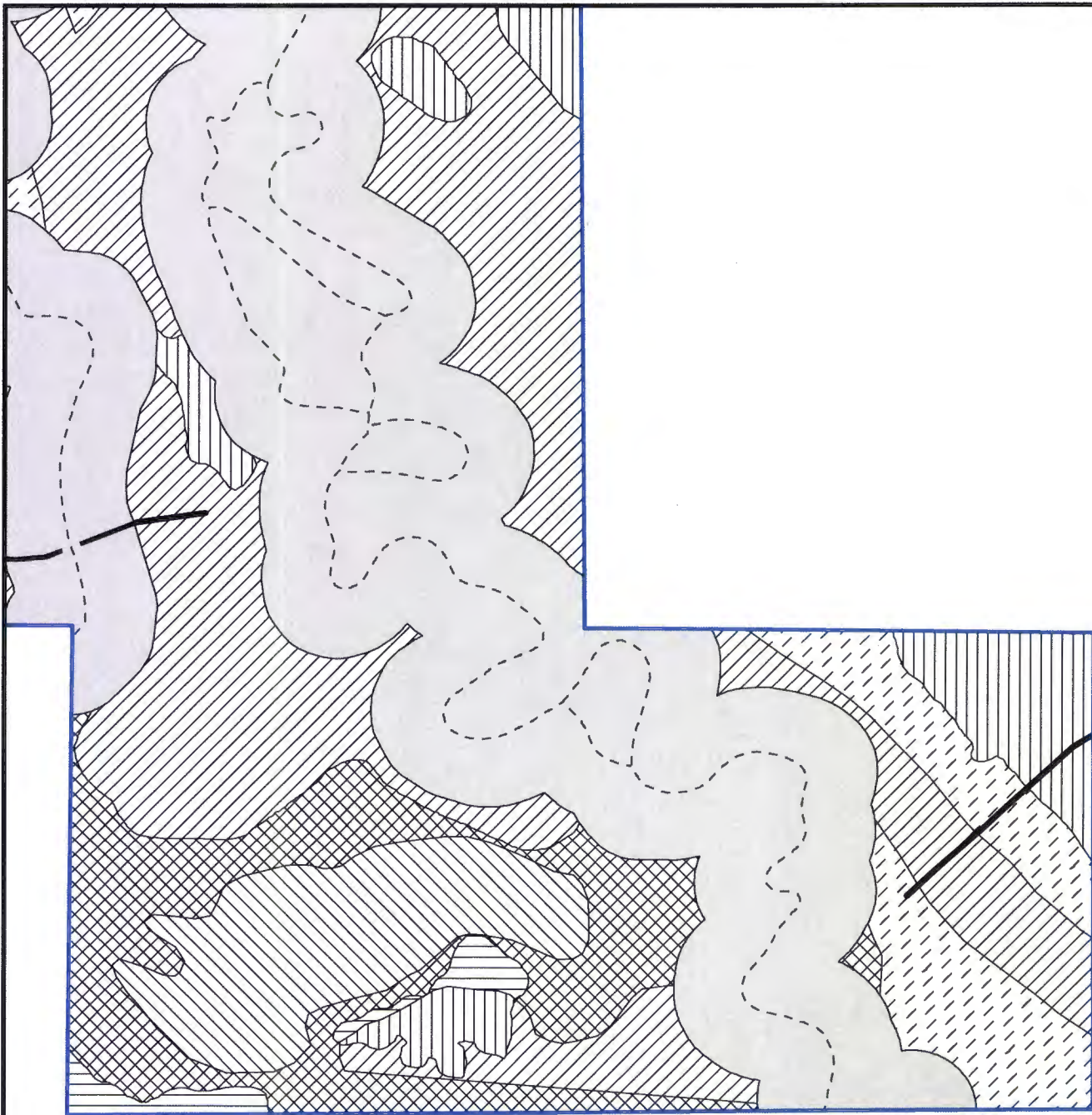


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4c

Figure No.



Legend

-  Three Creeks Mitigation Bank (275.56 acres)
-  Bottomland Hardwood Rehabilitation (Bedded Pine Dominant Wetlands)
-  Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
-  Cypress/Tupelo Swamp Enhancement
-  Bottomland Hardwood Preservation
-  Upland Buffer Rehabilitation
-  Upland Buffer Preservation
-  Existing Roads
-  Stream Centerline
-  Streams and Stream Buffers (See Figures 5a-5d)

**Post-Restoration Site Plan
Wetlands**

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC

Three Creeks Mitigation Bank

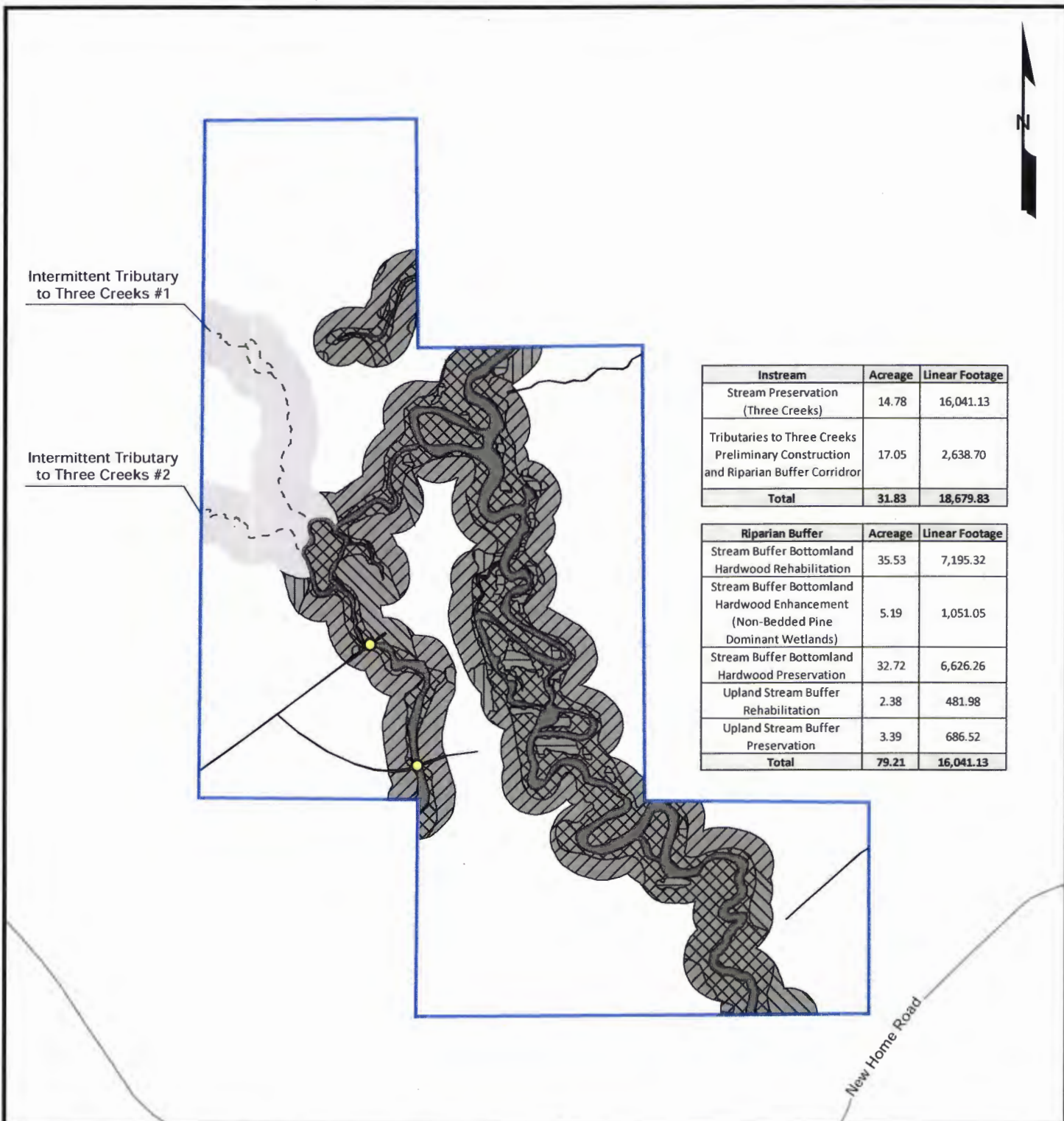


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4d

Figure No.



Instream	Acreage	Linear Footage
Stream Preservation (Three Creeks)	14.78	16,041.13
Tributaries to Three Creeks Preliminary Construction and Riparian Buffer Corridor	17.05	2,638.70
Total	31.83	18,679.83

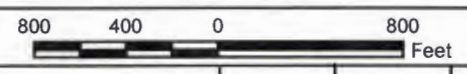
Riparian Buffer	Acreage	Linear Footage
Stream Buffer Bottomland Hardwood Rehabilitation	35.53	7,195.32
Stream Buffer Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)	5.19	1,051.05
Stream Buffer Bottomland Hardwood Preservation	32.72	6,626.26
Upland Stream Buffer Rehabilitation	2.38	481.98
Upland Stream Buffer Preservation	3.39	686.52
Total	79.21	16,041.13

Legend

- Three Creeks Mitigation Bank (275.56 acres)
- Stream Buffer Bottomland Hardwood Rehabilitation
- Stream Buffer Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
- Stream Buffer Bottomland Hardwood Preservation
- Upland Stream Buffer Rehabilitation
- Upland Stream Buffer Preservation
- Stream Preservation (Three Creeks)
- Intermittent Tributaries to Three Creeks
- Tributaries to Three Creeks Preliminary Construction and Riparian Buffer Corridor
- Existing Roads
- Proposed Low Water Crossing

**Post-Restoration Site Plan
Streams and Stream Buffers**
Mitigation Bank Prospectus
Claiborne Parish, Louisiana

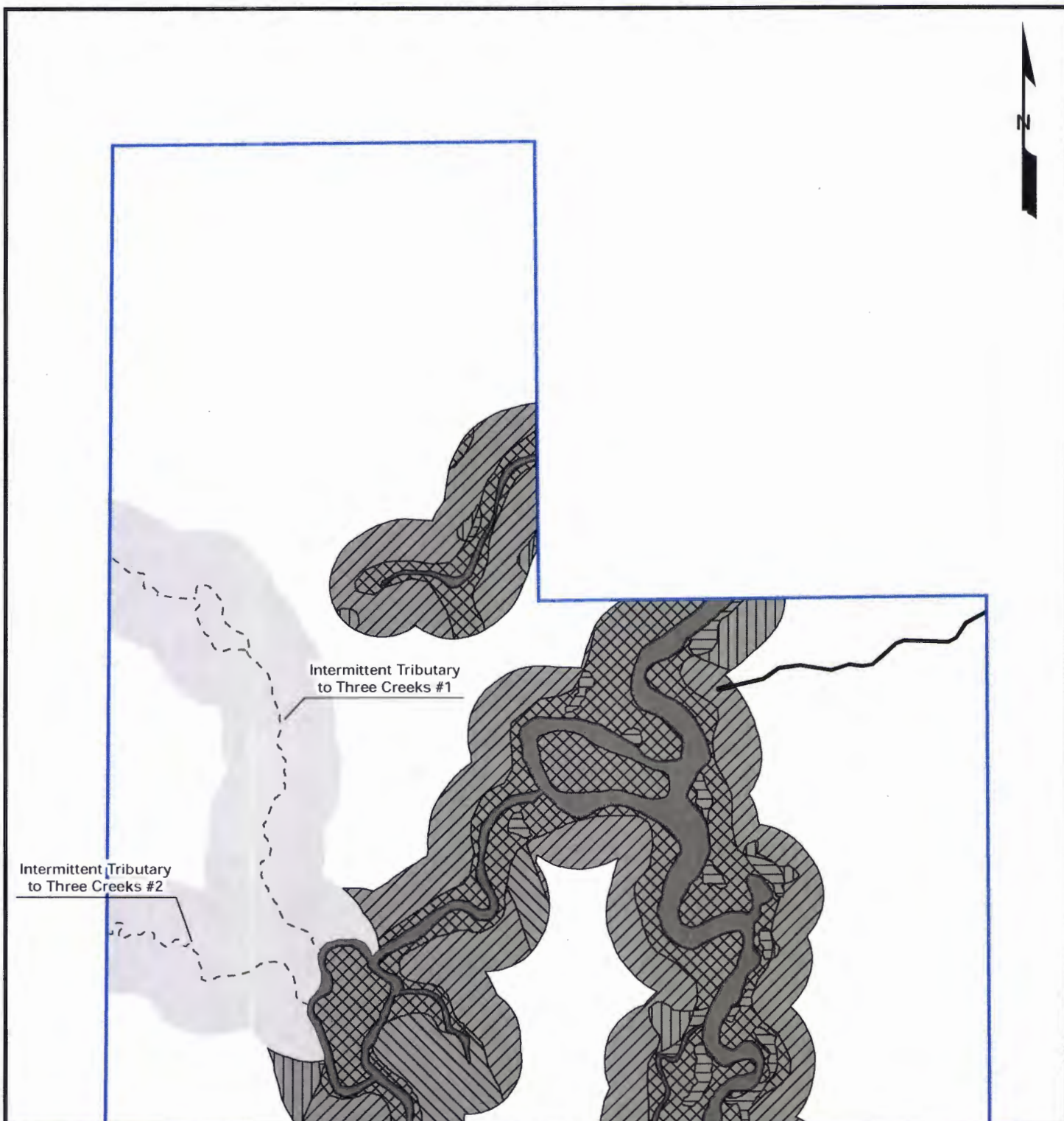
Peace River Mitigation, LLC
Three Creeks Mitigation Bank














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5a
Figure No.

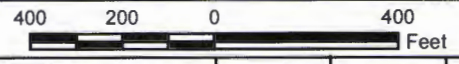


Legend

-  Three Creeks Mitigation Bank (275.56 acres)
-  Stream Buffer Bottomland Hardwood Rehabilitation
-  Stream Buffer Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
-  Stream Buffer Bottomland Hardwood Preservation
-  Upland Stream Buffer Rehabilitation
-  Upland Stream Buffer Preservation
-  Stream Preservation (Three Creeks)
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-  Tributaries to Three Creeks Preliminary Construction and Riparian Buffer Corridor
-  Existing Roads
-  Proposed Low Water Crossing

**Post-Restoration Site Plan
Streams and Stream Buffers**
Mitigation Bank Prospectus
Claiborne Parish, Louisiana

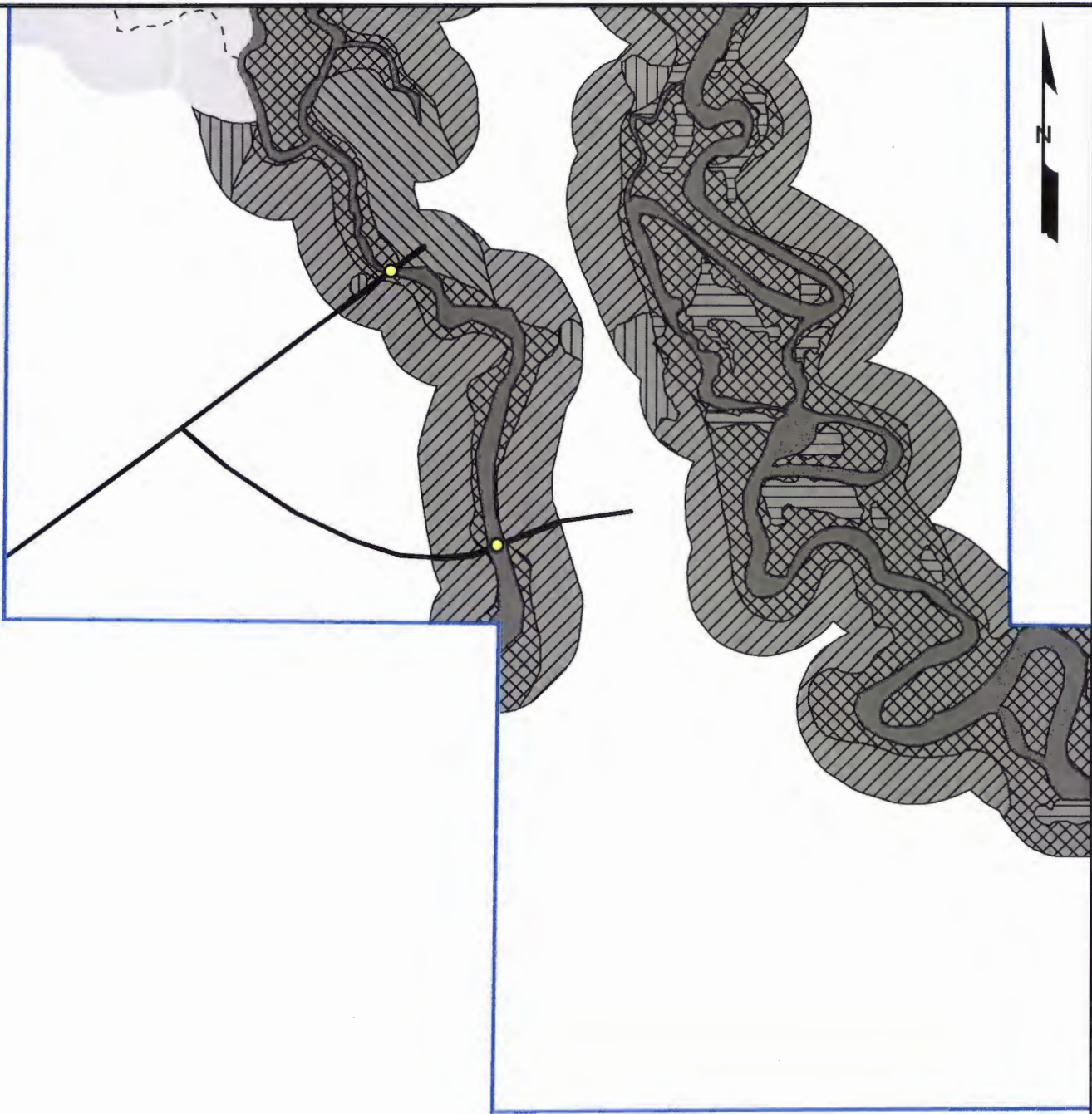
Peace River Mitigation, LLC
Three Creeks Mitigation Bank














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Date	3/19/2018
Drawing No.	17-345-A017

5b
Figure No.



Legend

-  Three Creeks Mitigation Bank (275.56 acres)
-  Stream Buffer Bottomland Hardwood Rehabilitation
-  Stream Buffer Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
-  Stream Buffer Bottomland Hardwood Preservation
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-  Stream Preservation (Three Creeks)
-  Intermittent Tributaries to Three Creeks
-  Tributaries to Three Creeks Preliminary Construction and Riparian Buffer Corridor
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**Post-Restoration Site Plan
Streams and Stream Buffers**
Mitigation Bank Prospectus
Claiborne Parish, Louisiana

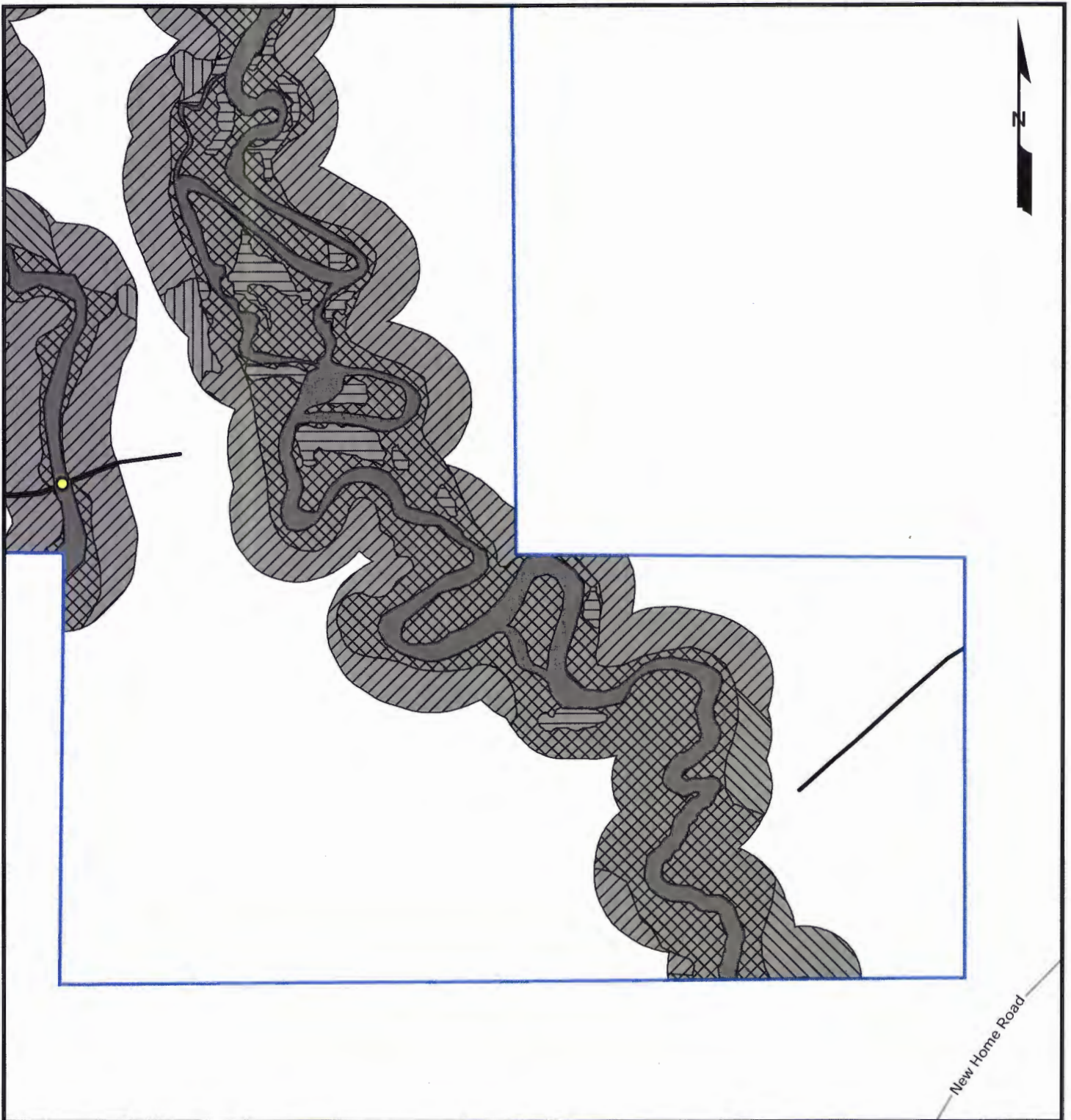
Peace River Mitigation, LLC
Three Creeks Mitigation Bank














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Engineering Progress

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5c
Figure No.



Legend

-  Three Creeks Mitigation Bank (275.56 acres)
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-  Stream Buffer Bottomland Hardwood Enhancement (Non-Bedded Pine Dominant Wetlands)
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**Post-Restoration Site Plan
Streams and Stream Buffers**
Mitigation Bank Prospectus
Claiborne Parish, Louisiana

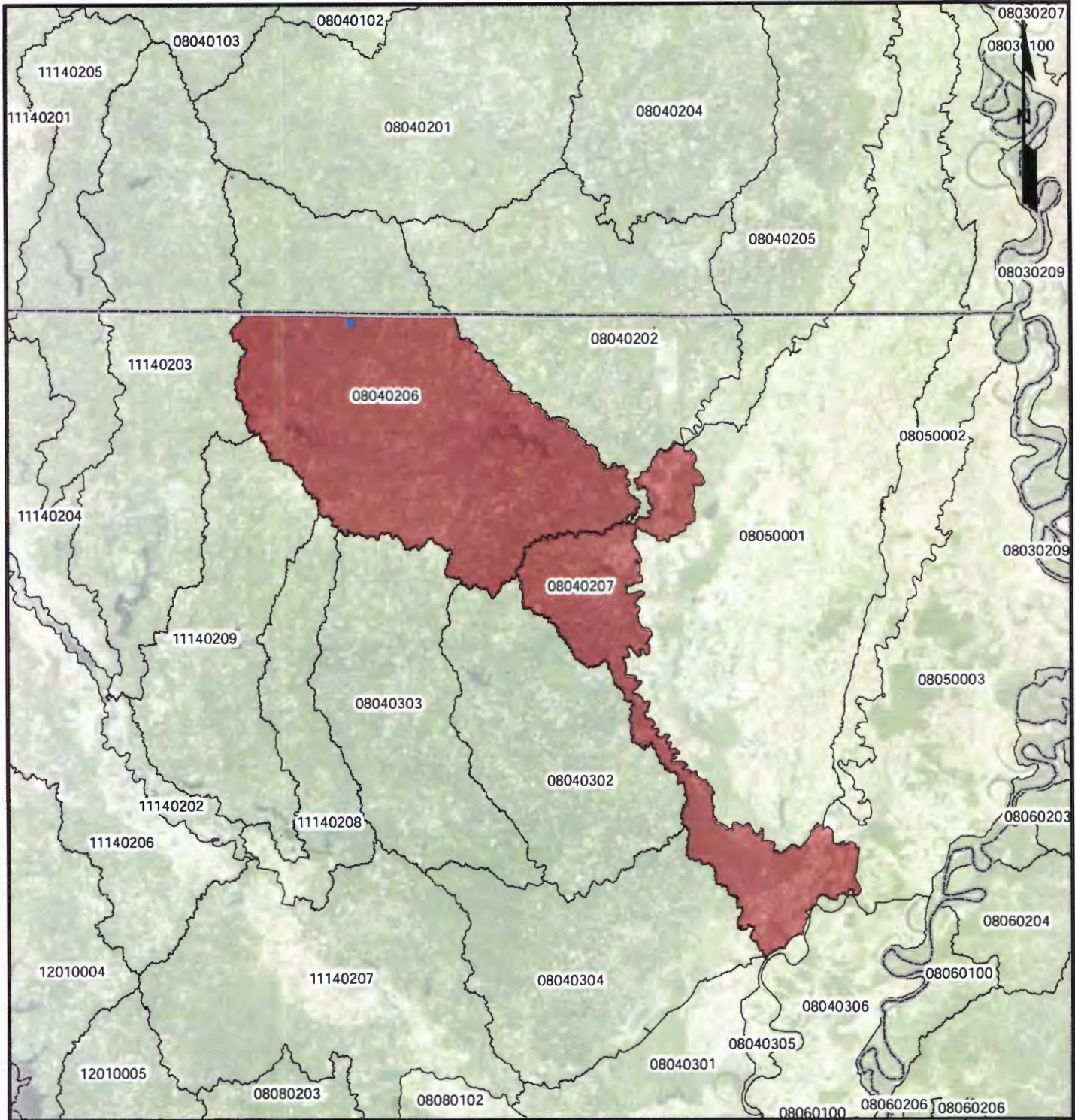
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Three Creeks Mitigation Bank



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5d
Figure No.



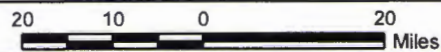
Legend

- Three Creeks Mitigation Bank (275.56 acres)
- Primary Service Area (08040206 & 08040207)
- Hydrologic Unit Boundary
- State Boundary

Primary Service Area Map

Mitigation Bank Prospectus
Claiborne Parish, Louisiana

Peace River Mitigation, LLC
Three Creeks Mitigation Bank



MATRIXNEWORLD
Engineering Progress

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Date	3/7/2018
Drawing No.	17-345-A022

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Figure No.

Source: Base map comprised of ESRI World Imagery. Hydrologic Unit Code (HUC) boundaries obtained from the U.S. Department of Agriculture (USDA).