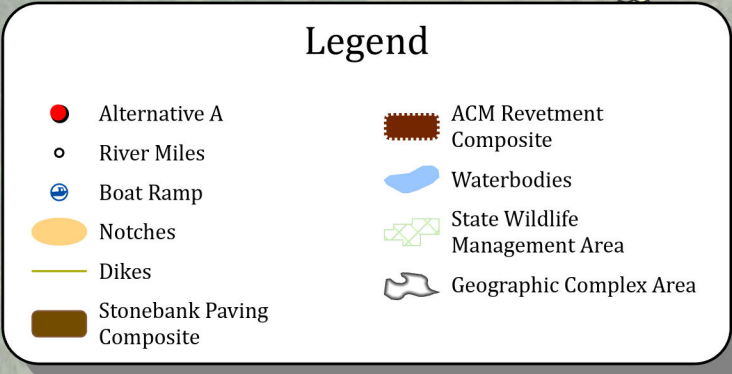


Hatchie - Loosahatchie - Mississippi River Ecosystem Restoration Study

ALTERNATIVE A

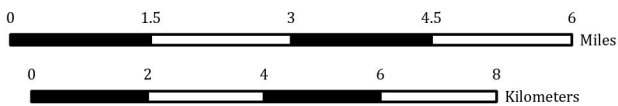
The map displays the study area with a compass rose indicating North (N), South (S), East (E), and West (W). Two scale bars are provided: one in miles (0 to 6) and one in kilometers (0 to 8). The map shows the Mississippi River and the Hatchie and Loosahatchie rivers, with Alternative A highlighted in a light gray color. The map also shows the locations of the Hatchie and Loosahatchie National Forests and the Mississippi National River and Recreation Area.



Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-Bottomland Hardwood
D_1	Flow Restoration & Habitat Complexity to Backwater Slough
D_2	Flow Restoration & Habitat Complexity to Backwater Slough
D_3	Woody Debris Traps
HB_10	Isolation of Floodplain Waterbody
HT_4	Flow Restoration to Backwater Slough
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I35_2	Reforestation-Bottomland Hardwood
I35_6b	Reforestation-Bottomland Hardwood
I35_7a	Dike Notching-Pile Dike
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-Bottomland Hardwood
I40_1a	Reforestation-Bottomland Hardwood
I40_3	MS River Riparian Buffer
I40_6	Isolation of Floodplain Waterbody
I40_7b	Reforestation-Bottomland Hardwood
M_14	Woody Debris Traps
M_5	Forest Stand Improvement-Cypress/Tupelo
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_6	Woody Debris Traps
RL_7	Flow Restoration to Backwater Slough
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-Bottomland Hardwood

Hatchie - Loosahatchie - Mississippi River Ecosystem Restoration Study

ALTERNATIVE B

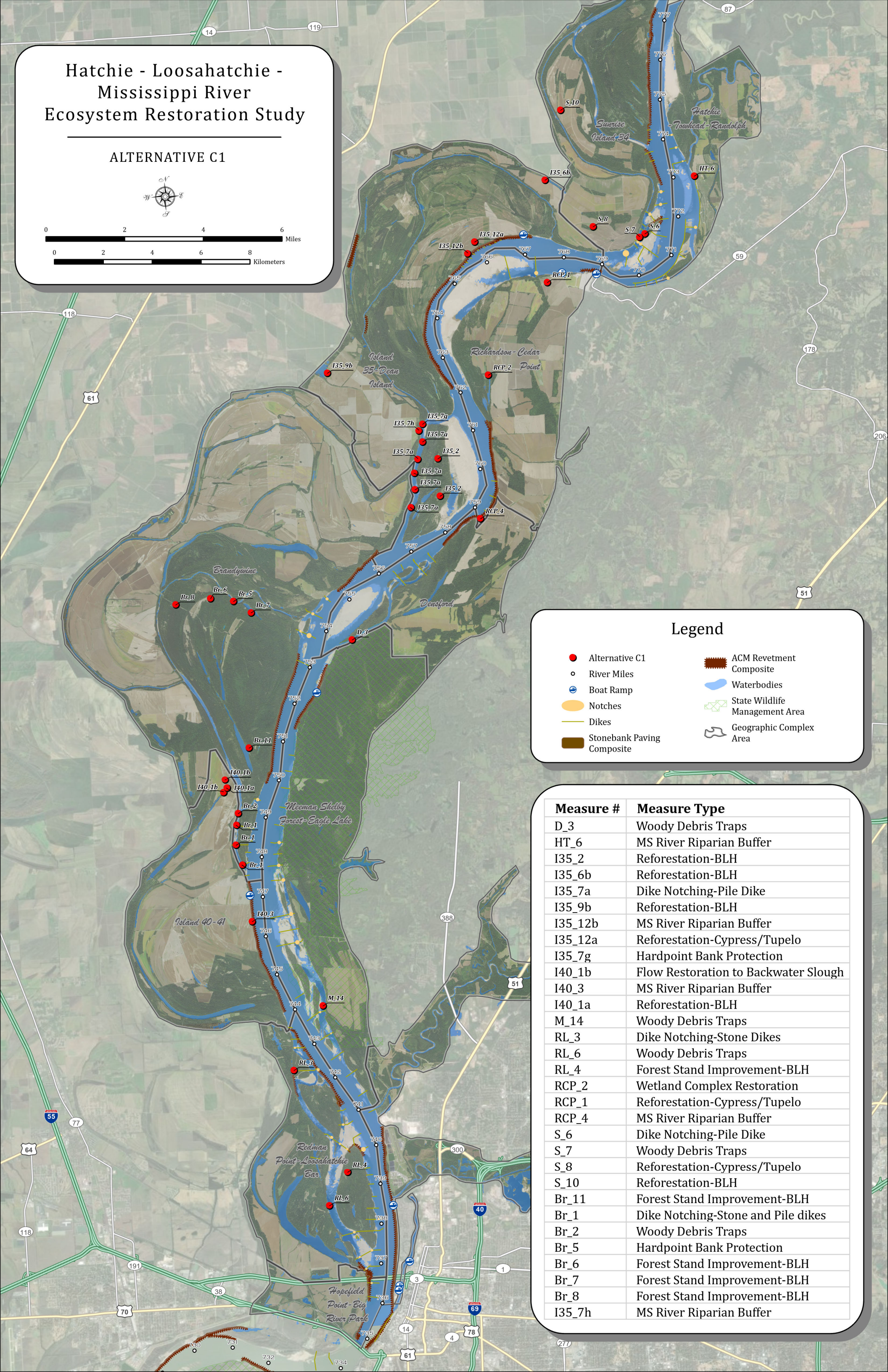
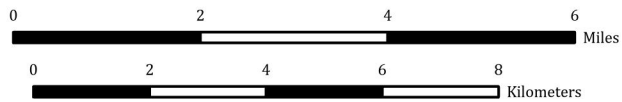


Legend

- Alternative B
- River Miles
- Boat Ramp
- Notches
- Dikes
- Stonebank Paving Composite
- ACM Revetment Composite
- Waterbodies
- State Wildlife Management Area
- Geographic Complex Area

Measure #	Measure Description
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
D_3	Woody Debris Traps
HB_1	Wetland Complex Restoration
HB_3	Restoring Habitat Complexity in Borrow Area
HB_4	Restoring Habitat Complexity in Borrow Area
HB_5	Restoring Habitat Complexity in Borrow Area
HB_6	Restoring Habitat Complexity in Borrow Area
HB_7	Restoring Habitat Complexity in Borrow Area
HB_8	Restoring Habitat Complexity in Borrow Area
HB_9	Restoring Habitat Complexity in Floodplain Waterbody
I35_7a	Dike Notching-Pile Dike
M_1	Hardpoint Bank Protection
M_5	Forest Stand Improvement-Cypress/Tupelo
M_6	Moist Soil Management Creation
M_11	Moist Soil Management Improvements
M_14	Woody Debris Traps
RL_3	Dike Notching-Stone Dikes
RL_6	Woody Debris Traps
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps

ALTERNATIVE C1



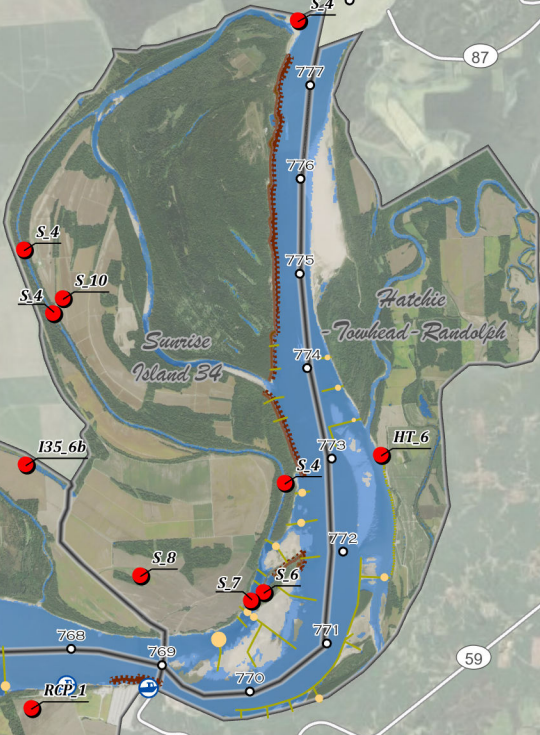
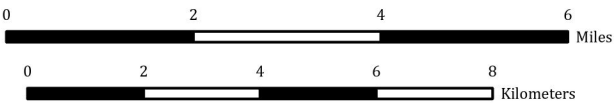
Legend

-
-  Alternative C1
 River Miles
 Boat Ramp
 Notches
 Dikes
 Stonebank Paving Composite
 ACM Revetment Composite
 Waterbodies
 State Wildlife Management Area
 Geographic Complex Area

Measure #	Measure Type
D_3	Woody Debris Traps
HT_6	MS River Riparian Buffer
I35_2	Reforestation-BLH
I35_6b	Reforestation-BLH
I35_7a	Dike Notching-Pile Dike
I35_9b	Reforestation-BLH
I35_12b	MS River Riparian Buffer
I35_12a	Reforestation-Cypress/Tupelo
I35_7g	Hardpoint Bank Protection
I40_1b	Flow Restoration to Backwater Slough
I40_3	MS River Riparian Buffer
I40_1a	Reforestation-BLH
M_14	Woody Debris Traps
RL_3	Dike Notching-Stone Dikes
RL_6	Woody Debris Traps
RL_4	Forest Stand Improvement-BLH
RCP_2	Wetland Complex Restoration
RCP_1	Reforestation-Cypress/Tupelo
RCP_4	MS River Riparian Buffer
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-BLH
Br_11	Forest Stand Improvement-BLH
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-BLH
Br_7	Forest Stand Improvement-BLH
Br_8	Forest Stand Improvement-BLH
I35_7h	MS River Riparian Buffer

Hatchie - Loosahatchie -
Mississippi River
Ecosystem Restoration Study

ALTERNATIVE C2



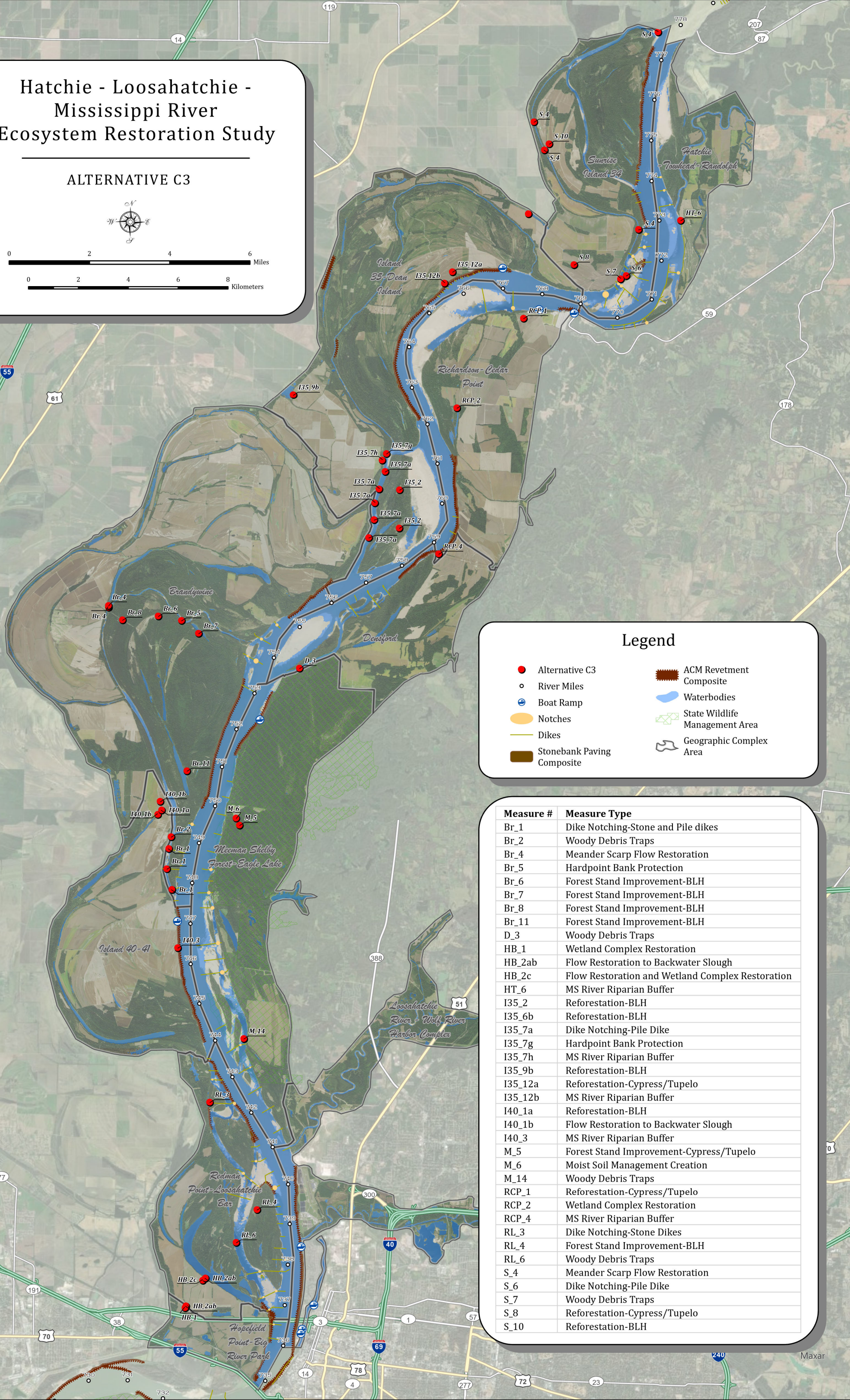
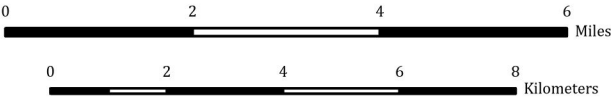
Legend

- Alternative C1
- River Miles
- Boat Ramp
- Notches
- Dikes
- Stonebank Paving Composite
- ACM Revetment Composite
- Waterbodies
- State Wildlife Management Area
- Geographic Complex Area

Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-BLH
Br_7	Forest Stand Improvement-BLH
Br_8	Forest Stand Improvement-BLH
Br_11	Forest Stand Improvement-BLH
D_3	Woody Debris Traps
HT_6	MS River Riparian Buffer
I35_2	Reforestation-BLH
I35_6b	Reforestation-BLH
I35_7a	Dike Notching-Pile Dike
I35_7g	Hardpoint Bank Protection
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-BLH
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I40_1a	Reforestation-BLH
I40_1b	Flow Restoration to Backwater Slough
I40_3	MS River Riparian Buffer
M_14	Woody Debris Traps
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_3	Dike Notching-Stone Dikes
RL_4	Forest Stand Improvement-BLH
RL_6	Woody Debris Traps
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-BLH

Hatchie - Loosahatchie -
Mississippi River
Ecosystem Restoration Study

ALTERNATIVE C3



Legend

- Alternative C3
- River Miles
- Boat Ramp
- Notches
- Dikes
- Stonebank Paving Composite
- ACM Revetment Composite
- Waterbodies
- State Wildlife Management Area
- Geographic Complex Area

Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_4	Meander Scarp Flow Restoration
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-BLH
Br_7	Forest Stand Improvement-BLH
Br_8	Forest Stand Improvement-BLH
Br_11	Forest Stand Improvement-BLH
D_3	Woody Debris Traps
HB_1	Wetland Complex Restoration
HB_2ab	Flow Restoration to Backwater Slough
HB_2c	Flow Restoration and Wetland Complex Restoration
HT_6	MS River Riparian Buffer
I35_2	Reforestation-BLH
I35_6b	Reforestation-BLH
I35_7a	Dike Notching-Pile Dike
I35_7g	Hardpoint Bank Protection
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-BLH
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I40_1a	Reforestation-BLH
I40_1b	Flow Restoration to Backwater Slough
I40_3	MS River Riparian Buffer
M_5	Forest Stand Improvement-Cypress/Tupelo
M_6	Moist Soil Management Creation
M_14	Woody Debris Traps
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_3	Dike Notching-Stone Dikes
RL_4	Forest Stand Improvement-BLH
RL_6	Woody Debris Traps
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-BLH

Hatchie - Loosahatchie - Mississippi River Ecosystem Restoration Study

ALTERNATIVE C4

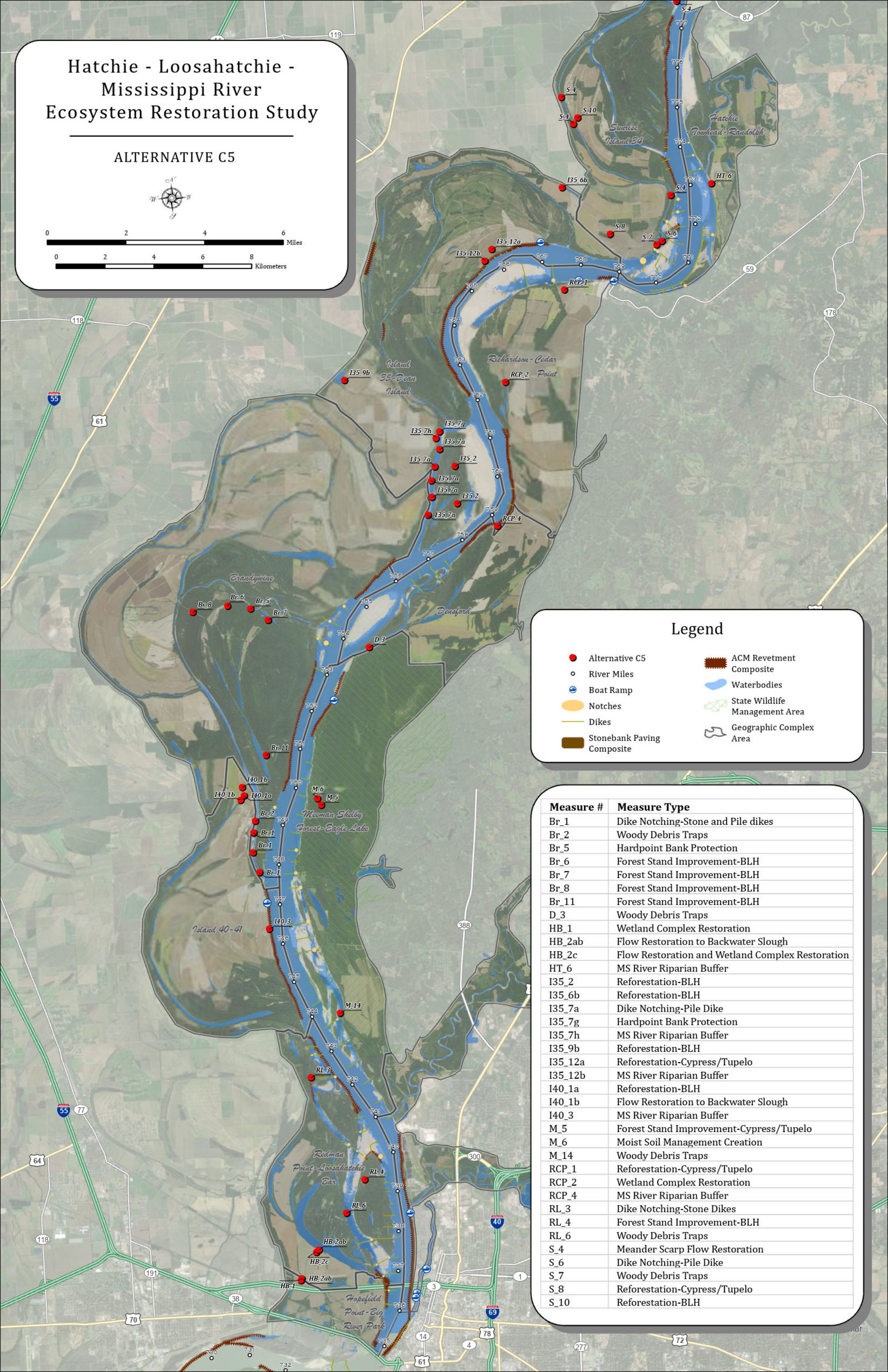
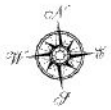


Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_4	Meander Scarp Flow Restoration
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-BLH
Br_7	Forest Stand Improvement-BLH
Br_8	Forest Stand Improvement-BLH
Br_11	Forest Stand Improvement-BLH
Br_12	Flow Restoration to Backwater Slough
Br_13	Flow Restoration to Backwater Slough
D_1	Flow Restoration and Habitat Complexity to Backwater Slough
D_2	Flow Restoration and Habitat Complexity to Backwater Slough
D_3	Woody Debris Traps
HB_1	Wetland Complex Restoration
HB_2ab	Flow Restoration to Backwater Slough
HB_2ab	Flow Restoration to Backwater Slough
HB_2c	Flow Restoration and Wetland Complex Restoration
HB_3	Restoring Habitat Complexity in Borrow Area
HB_4	Restoring Habitat Complexity in Borrow Area
HB_5	Restoring Habitat Complexity in Borrow Area
HB_6	Restoring Habitat Complexity in Borrow Area
HB_7	Restoring Habitat Complexity in Borrow Area
HB_8	Restoring Habitat Complexity in Borrow Area
HB_9	Restoring Habitat Complexity in Floodplain Waterbody
HB_10	Isolation of Floodplain Waterbody
HT_4	Flow Restoration to Backwater Slough
HT_6	MS River Riparian Buffer
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I35_2	Reforestation-BLH
I35_6b	Reforestation-BLH
I35_7a	Dike Notching-Pile Dike
I35_7g	Hardpoint Bank Protection
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-BLH
I40_1a	Reforestation-BLH
I40_1b	Flow Restoration to Backwater Slough
I40_3	MS River Riparian Buffer
I40_6	Isolation of Floodplain Waterbody
I40_7a	Restoring Habitat Complexity in Borrow Area
M_5	Forest Stand Improvement-Cypress/Tupelo
M_6	Moist Soil Management Creation
M_14	Woody Debris Traps
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_3	Dike Notching-Stone Dikes
RL_4	Forest Stand Improvement-BLH
RL_6	Woody Debris Traps
RL_7	Flow Restoration to Backwater Slough
S_1	Flow Restoration to Backwater Slough
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-BLH

Legend

- Alternative C4
- River Miles
- Boat Ramp
- Notches
- Dikes
- Stonebank Paving Composite
- ACM Revetment Composite
- Waterbodies
- State Wildlife Management Area
- Geographic Complex Area

ALTERNATIVE C5



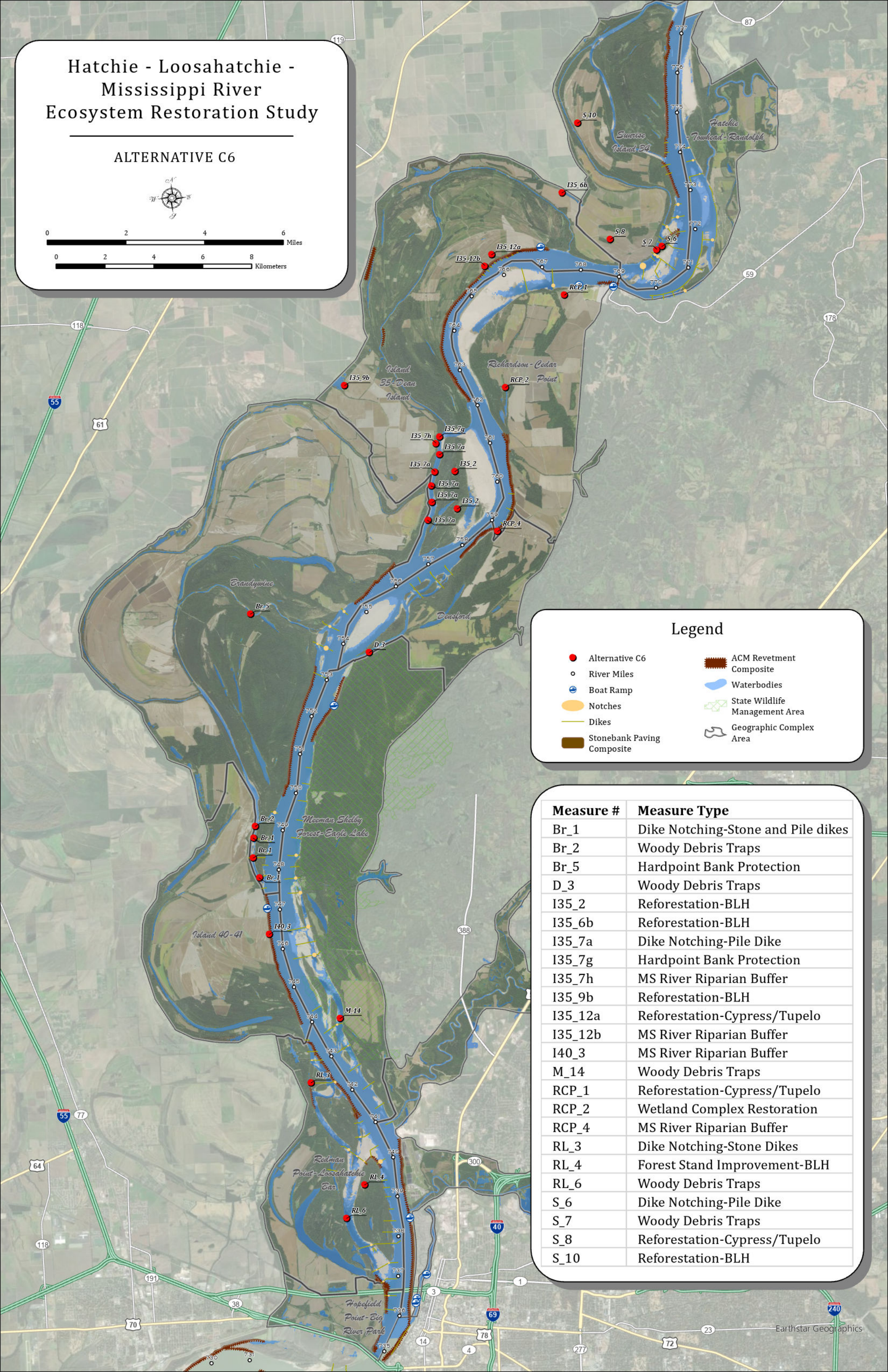
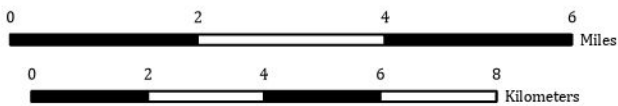
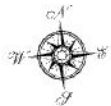
Legend

-
-  Alternative C5
 River Miles
 Boat Ramp
 Notches
 Dikes
 Stonebank Paving Composite
 ACM Revetment Composite
 Waterbodies
 State Wildlife Management Area
 Geographic Complex Area

Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-BLH
Br_7	Forest Stand Improvement-BLH
Br_8	Forest Stand Improvement-BLH
Br_11	Forest Stand Improvement-BLH
D_3	Woody Debris Traps
HB_1	Wetland Complex Restoration
HB_2ab	Flow Restoration to Backwater Slough
HB_2c	Flow Restoration and Wetland Complex Restoration
HT_6	MS River Riparian Buffer
I35_2	Reforestation-BLH
I35_6b	Reforestation-BLH
I35_7a	Dike Notching-Pile Dike
I35_7g	Hardpoint Bank Protection
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-BLH
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I40_1a	Reforestation-BLH
I40_1b	Flow Restoration to Backwater Slough
I40_3	MS River Riparian Buffer
M_5	Forest Stand Improvement-Cypress/Tupelo
M_6	Moist Soil Management Creation
M_14	Woody Debris Traps
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_3	Dike Notching-Stone Dikes
RL_4	Forest Stand Improvement-BLH
RL_6	Woody Debris Traps
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-BLH

Hatchie - Loosahatchie -
Mississippi River
Ecosystem Restoration Study

ALTERNATIVE C6



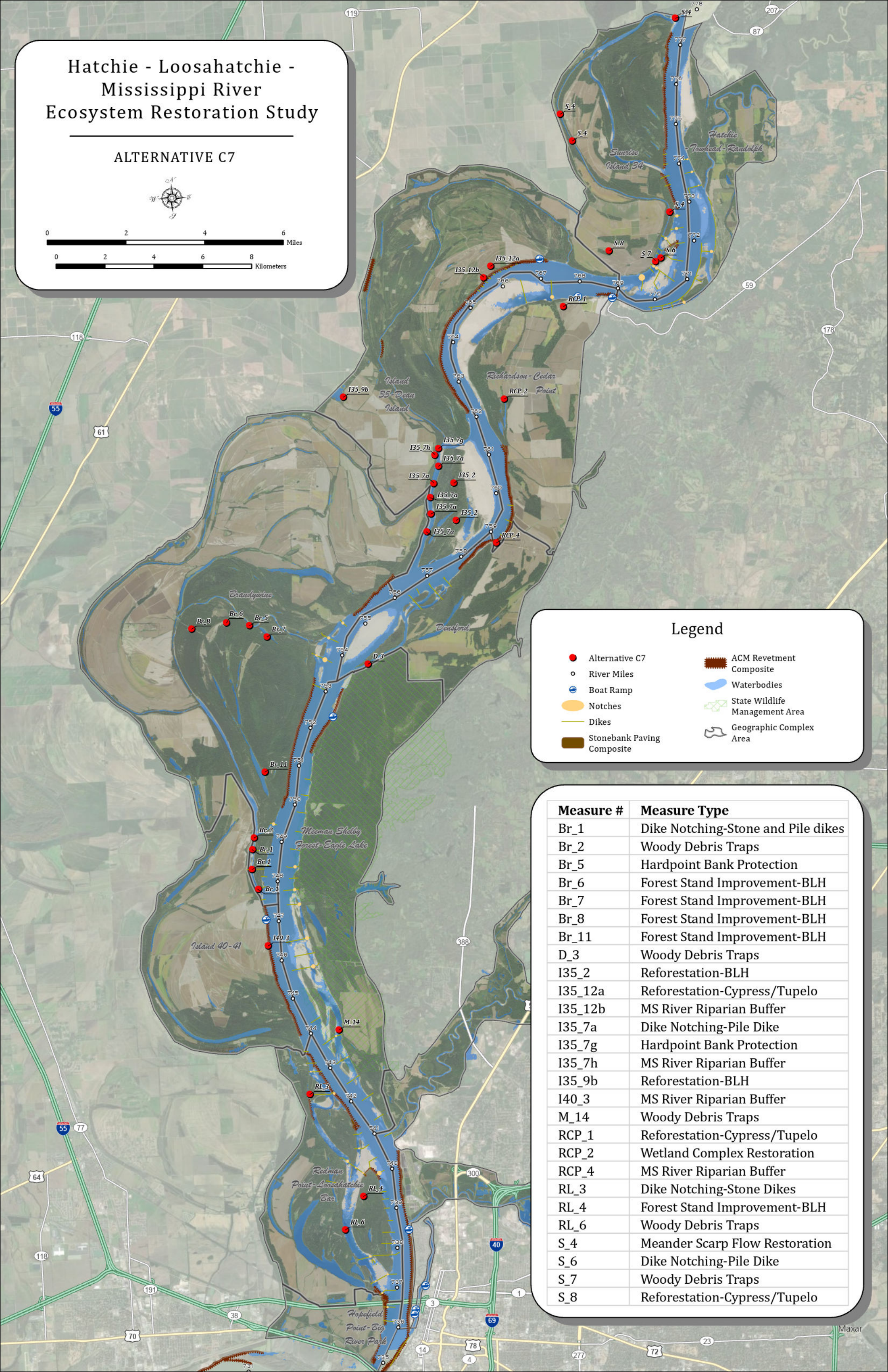
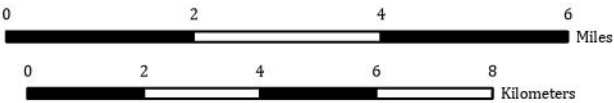
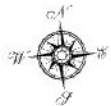
Legend

- Alternative C6
- River Miles
- Boat Ramp
- Notches
- Dikes
- Stonebank Paving Composite
- ACM Revetment Composite
- Waterbodies
- State Wildlife Management Area
- Geographic Complex Area

Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
D_3	Woody Debris Traps
I35_2	Reforestation-BLH
I35_6b	Reforestation-BLH
I35_7a	Dike Notching-Pile Dike
I35_7g	Hardpoint Bank Protection
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-BLH
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I40_3	MS River Riparian Buffer
M_14	Woody Debris Traps
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_3	Dike Notching-Stone Dikes
RL_4	Forest Stand Improvement-BLH
RL_6	Woody Debris Traps
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo
S_10	Reforestation-BLH

Hatchie - Loosahatchie -
Mississippi River
Ecosystem Restoration Study

ALTERNATIVE C7



Legend

- Alternative C7
- River Miles
- Boat Ramp
- Notches
- Dikes
- Stonebank Paving Composite
- ACM Revetment Composite
- Waterbodies
- State Wildlife Management Area
- Geographic Complex Area

Measure #	Measure Type
Br_1	Dike Notching-Stone and Pile dikes
Br_2	Woody Debris Traps
Br_5	Hardpoint Bank Protection
Br_6	Forest Stand Improvement-BLH
Br_7	Forest Stand Improvement-BLH
Br_8	Forest Stand Improvement-BLH
Br_11	Forest Stand Improvement-BLH
D_3	Woody Debris Traps
I35_2	Reforestation-BLH
I35_12a	Reforestation-Cypress/Tupelo
I35_12b	MS River Riparian Buffer
I35_7a	Dike Notching-Pile Dike
I35_7g	Hardpoint Bank Protection
I35_7h	MS River Riparian Buffer
I35_9b	Reforestation-BLH
I40_3	MS River Riparian Buffer
M_14	Woody Debris Traps
RCP_1	Reforestation-Cypress/Tupelo
RCP_2	Wetland Complex Restoration
RCP_4	MS River Riparian Buffer
RL_3	Dike Notching-Stone Dikes
RL_4	Forest Stand Improvement-BLH
RL_6	Woody Debris Traps
S_4	Meander Scarp Flow Restoration
S_6	Dike Notching-Pile Dike
S_7	Woody Debris Traps
S_8	Reforestation-Cypress/Tupelo

Hatchie - Loosahatchie - Mississippi River Ecosystem Restoration Study

ALTERNATIVE RECREATION FEATURES



0246

Miles

02468

Kilometers

Legend

●

 Alternative Recreation Features

○

 River Miles

⚓

 Boat Ramp

○

 Notches

—

 Dikes

■

 Stonebank Paving Composite

■

 ACM Revetment Composite

■

 Waterbodies

■

 State Wildlife Management Area

■

 Geographic Complex Area

Measure #	Measure Type
LW_1	Recreation-Interpretive Media and Demonstration
M_2	Recreation-Trails and signage

Earthstar Geographics