

# APPENDIX 1

## WORK ITEM DESCRIPTIONS AND MAPS MRL SEIS-II

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## A1-1 WORK ITEM DESCRIPTIONS

### A1-1.1 MVM Boundaries:

1. Mound City to Cairo Levee 0/0+00 to 2/26+00, Item 965-R. This item of work is 2.5 miles long and is located on right descending bank of the Ohio River opposite river mile 965. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 2 feet on average, which will increase the base width of the levee approximately 45 feet on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 3.2 acres of a cultivated field, one mile northeast of Mound City, IL, riverside of the mainline levee.
2. North Mound City, IL Sump, Item 962.3-R. This item of work is 250 feet long on the right descending bank of the Ohio River opposite river mile 962.3. It consists of installing relief wells with the associated drainage work to control seepage. Preliminary design indicates that the relief wells will be located at levee stations 2/45+00 to 2/47+50 landside of the levee.
3. Mound City to Cairo Levee 2/26+00 to 4/0+00, Item 962.5-R. This item of work is 1.5 miles long and is located on the right descending bank of the Ohio River opposite river mile 962.5. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 3.9 acres of a cultivated field, one mile northeast of Mound City, IL, riverside of the mainline levee.
4. Mound City to Cairo Levee 4/30+00 to 5/7+00, Item 961-R. This item of work is less than a mile long and is located on right descending bank of the Ohio River opposite river mile 961. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot on average, which will increase the base width of the levee approximately 35 feet on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 0.8 acres of a cultivated field, one mile northeast of Mound City, IL, riverside of the mainline levee.
5. Mound City to Cairo, IL 7/50+00 to 8/4+00, Item 958-R. This item of work is 200 feet long and is located on right descending bank of the Ohio River opposite river mile 958. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 2 feet, on average, which will increase the base width of the levee approximately 45 feet, on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 0.1 acres of a cultivated field, one mile northeast of Mound City, IL, riverside of the mainline levee.
6. Cairo, IL Floodwall, Item 956-R. This item of work is 3.2 miles long and is located on the right descending bank of the Ohio River opposite river mile 956. It consists of replacing

the existing floodwall. Preliminary design indicates the new floodwall will be located on the landside of the existing floodwall or within the existing floodwall footprint.

7. Fish Market Gate/High 51 Closure, Item 955-R. This item of work is 3,500 feet long and is located on the right descending bank of the Ohio River opposite river mile 955. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 2 foot on average, which will increase the base width of the levee approximately 45 feet on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 1.8 acres of a cultivated field, riverside of levee stations 10/50+75 to 11/5+00.
8. Hickman Floodwall Embankment Tie-in, Item 922-L. This item of work is 500 feet long and is located on the left descending bank of the Mississippi River, opposite river mile 922. It consists of construction of levee that would extend from the existing floodwall to tie-in to high ground. Preliminary design indicates the levee will be 3 feet in height on average with a 5 foot crown. The design slopes 1 foot vertical on 3.5 feet horizontal will result in base width of the levee approximately 26 feet on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 0.1 acres of cleared land, 1,000 feet west of the Levee Grade Raise, adjacent to Hickman Harbor.
9. Hickman Levee Grade Raise, Item 921-L. This item of work is 500 feet long and is located on the left descending bank of the Mississippi River, opposite river mile 921. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 2 feet on average, which will increase the base width of the levee approximately 45 feet on average on the landside. Borrow material for the embankment is tentatively proposed to be obtained from 0.3 acres of cleared land, 1,000 feet west of the Levee Grade Raise, adjacent to Hickman Harbor.
10. Island 8 Parcel 3, KY (4/0+00 to 5/20+00), Item 918-L. This item of work is 1.4 miles long and is located on the left descending bank of the Mississippi River opposite river mile 918. It consists of installing relief wells with associated drainage work to control seepage. Preliminary design indicates that relief wells will be located at levee stations 4/0+00 to 5/20+00 landside of the levee.
11. Lake No. 9 – KY-TN State Line (21/3+80 to 21/7+30), Item 902-L. This item of work is 350 feet long and is located on the left descending bank of the Mississippi River opposite river mile 902. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot on average, which will increase the base width of the levee approximately 45 feet, on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 0.2 acres of a cultivated field riverside of levee stations 21/2+79 to 21/4+79.

12. Great River Road Slope Flattening (12/45+00 to 15/0+00), Item 848-L. This item of work is 2.2 miles long and is located on the left descending bank of the Mississippi River, opposite river mile 848. It consists of flattening the landside levee slopes from 1 foot vertical on 3.5 feet horizontal, to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65 feet, on average. Borrow material for the embankment is tentatively proposed to be obtained from 41.5 acres of a cultivated field riverside of levee stations 13/0+00 to 15/0+00.
13. Great River Road Slope Flattening (20/0+00 to 37/0+00), Item 832-L. This item of work is 2 miles long and is located on the left descending bank of the Mississippi River, opposite river mile 832. It consists of flattening the landside levee slopes from 1 foot vertical on 3.5 feet horizontal to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65 feet, on average. Preliminary design indicates that the slope flattening will be located at levee stations 20/0+00 to 21/0+00, 27/11+00, 32/5+00, 33/20+00, and 34/27+00 landside of the levee. Borrow material for the embankment is tentatively proposed to be obtained from 323.6 acres of a cultivated field riverside of levee stations 26/20+00 to 29/40+00.
14. Nash, MO Slope Flattening (11/12+00 to 12/0+00), Item 49-R AC. This item of work is 0.8 miles long and is located on the right descending bank of the Mississippi River opposite river mile 49 above the confluence (AC) of the Ohio River. It consists of flattening the landside levee slopes from 1 foot vertical on 3.5 feet horizontal, to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65, feet on average. Borrow material for the embankment is tentatively proposed to be obtained from 12.6 acres of a cultivated field riverside of levee stations 7/48+13 to 8/2+00.
15. Commerce to Birds Point (15/0+00 to 17/49+00), Item 29-R AC. This item of work is 1.5 miles long and is located on the right descending bank of the Mississippi River opposite river mile 29 AC. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 15/52+00 to 16/45+00, 16/30+00, and 17/30+00 to 17/49+00. Borrow material for the embankment is tentatively proposed to be obtained from 0.4 acres of a cultivated field riverside of levee stations 16/30+92 to 16/33+00.
16. Commerce to Birds Point (17/49+00 to 32/0+00), Item 22-R AC. This item of work is 6 miles long and is located on the right descending bank of the Mississippi River opposite river mile 22 AC. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1.5 feet, on average, which will increase the base width of the levee approximately 45 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations

17/49+00 to 20/14+69, 20/53+36 to 22/37+00, 27/25+63 to 32/0+00. Borrow material for the embankment is tentatively proposed to be obtained from 30.3 acres of mostly cultivated fields riverside of levee stations 18/0+00 to 18/36+49, 18/38+00 to 19/17+00, 19/41+02 to 19/48+02, 20/10+00 to 20/14+69, 21/8+00 to 22/0+00, 22/44+28 to 23/0+00, 28/38+68 to 30/18+00, 31/15+00, 31/22+00 to 31/25+00, and 31/33+37 to 31/37+00, respectively.

17. Birds Point – New Madrid Setback (0/0+00 to 12/32+00), Item 947-R. This item of work is 3.5 miles long and is located on the right descending bank of the Mississippi River opposite river mile 947. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 1/18+00 to 1/20+00, 2/2+00 to 2/14+00, 3/0+00 to 6/30+00 and 9/26+00. Borrow material for the embankment is tentatively proposed to be obtained from 8.2 acres of cultivated fields within the Birds Point – New Madrid (BP-NM) Floodway near setback levee stations 1/52+93 to 2/1+85, 3/3+00 to 3/10+00, 3/20+00 to 4/20+00, and 5/26+00 to 5/39+00, respectively.
18. Birds Point – New Madrid Frontline Levee (43/21+00 to 87/0+00), Item 920-R. This item of work is 3 miles long and is located on the right descending bank of the Mississippi River opposite river mile 920. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 2.5 feet on average, which will increase the base width of the levee approximately 50 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 49/25+00 to 49/28+00, 65/5+00, 72/0+00 to 73/8+00, 75/20+00 to 76/14+00 and 77/20+00 to 78/8+00. Borrow material for the embankment is tentatively proposed to be obtained from 9.1 acres of a cultivated field within the BP-NM Floodway near setback levee stations 30/42+00 to 31/3+00.
19. Birds Point – New Madrid Setback (12/32+00 to 36/0+00), Item 915-R. This item of work is 3 miles long and is located on the right descending bank of the Mississippi River opposite river mile 915. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 15/25+00, 16/24+00, 17/16+00 to 17/23+00, 23/9+00 to 24/33+00, 27/46+00 to 27/48+00, and 28/37+00 to 34/0+00. Borrow material for the embankment is tentatively proposed to be obtained from 16.6 acres of a cultivated field within the BP-NM Floodway near setback levee stations 30/37+00 to 31/2+00.
20. Farrenburg Levee, MO Slope Flattening (1/50+00 to 2/21+00), Item 889-R. This item of work is 0.5 miles long and is located on the right descending bank of the Mississippi

River opposite river mile 889. It consists of flattening the waterside levee slopes from 1 foot vertical on 3.5 feet horizontal to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65 feet, on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 8.4 acres of a cultivated field within the BP-NM Floodway near setback levee stations 30/42+00 to 31/3+00.

21. New Madrid, MO to MO-AR Levee (5/0+00N to 0/0+00), Item 882-R. This item of work is 0.5 miles long and is located on the right descending bank of the Mississippi River opposite river mile 882. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 4/22+00N to 4/11+00N, 3/5+00N to 3/1+00N, 2/14+00N to 2/7+00N, and 0/35+00N to 0/13+00N. Borrow material for the embankment is tentatively proposed to be obtained from 1.1 acres of a cultivated fields riverside of levee stations 4/19+01N to 4/14+51N, 0/37+00 to 0/39+00, and 0/25+00 to 0/30+00.
22. New Madrid, MO to MO-AR Levee (2/0+00S to 2/30+00S), Item 877-R. This item of work is 0.5 miles long and is located on the right descending bank of the Mississippi River opposite river mile 877. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1.5 feet, on average, which will increase the base width of the levee approximately 45 feet, on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 0.7 acres of a cultivated field riverside of levee stations 2/19+00S to 2/26+00.
23. Barfield, AR Slope Flattening (61/0+00 to 61/25+00), Item 807-R. This item of work is 0.5 miles long and is located on the right descending bank of the Mississippi River opposite river mile 807. It consists of flattening the riverside levee slopes from 1 foot vertical on 3.5 feet horizontal to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65 feet, on average. Borrow material for the embankment is tentatively proposed to be obtained from 8.5 acres of a cultivated field riverside of levee stations 60/47+50 to 63/0+00.
24. Wilson, AR Slope Flattening (100/0+00 to 100/36+00), Item 766-R. This item of work is 0.8 miles long and is located on the right descending bank of the Mississippi River opposite river mile 766. It consists of flattening the riverside levee slopes from 1 foot vertical on 3.5 feet horizontal to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65 feet on average. Borrow material for the embankment is tentatively proposed to be obtained from 13.1 acres of a cultivated field riverside of levee stations 100/4+01 to 100/37+48.

25. Pecan Point, AR Slope Flattening (116/40+00 to 117/45+00), Item 762-R. This item of work is 1 mile long and is located on the right descending bank of the Mississippi River opposite river mile 762. It consists of flattening the riverside levee slopes from 1 foot vertical on 3.5 feet horizontal to 1 foot vertical on 5 feet horizontal, which will increase the base width of the levee approximately 65 feet, on average. Borrow material for the embankment is tentatively proposed to be obtained from 19.6 acres of a cultivated field riverside of levee stations 117/11+00 to 118/1+00.
26. St. Thomas, AR Berm Re-evaluation, Item 754-R. This item of work is 6 miles long and is located on the right descending bank of the Mississippi River opposite river mile 754. It consists of installing relief wells with associated drainage work to control seepage. Preliminary design indicates that relief wells will be located at levee stations 120/0+00 to 126/0+00, landside of the levee.
27. MO-AR State Line to St. Francis River Levee Part 1 (134/0+00 to 138/0+00), Item 747-R. This item of work is 2 miles long and is located on right descending bank of the Mississippi River opposite river mile 747. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 134/11+00 to 134/25+00, 134/50+00, 135/49+00 to 136/8+00, and 136/40+00 to 137/30+00. Borrow material for the embankment is tentatively proposed to be obtained from 3.5 acres of cultivated fields riverside of levee stations 134/8+00 to 134/14+00, 135/50+00 to 136/0+00, 136/48+00 to 137/5+00, and 137/14+00 to 137/18+00, respectively.
28. MO-AR State Line to St. Francis River Levee Part 2 (145/0+00 to 147/0+00), Item 741-R. This item of work is 2 miles long and is located on the right descending bank of the Mississippi River opposite river mile 741. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1.5 feet, on average, which will increase the base width of the levee approximately 45 feet, on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 5.4 acres of cultivated fields riverside of levee stations 145/36+00 to 145/50+11 and 146/29+23 to 146/36+00.
29. West Memphis, AR Re-Evaluation, Item 726-R. This item of work is 2 miles long and is located on the right descending bank of the Mississippi River opposite river mile 726. It consists of installing relief wells with associated drainage work to control seepage. Preliminary design indicates that relief wells will be located at levee stations 156/0+00 to 158/0+00 landside of the levee.
30. West Memphis, AR Seepage Remediation, Item 723-R. This item of work is 2.8 miles long and is located on the right descending bank of the Mississippi River opposite river

mile 723. It consists of installing relief wells with associated drainage work to control seepage. Preliminary design indicates that relief wells will be located at levee stations 158/40+00 to 161/29+00 landside of the levee.

31. Horseshoe Lake, AR, Item 705-R. This item of work is 3.2 miles long and is located on the right descending bank of the Mississippi River opposite river mile 705. It consists of installing relief wells with associated drainage work to control seepage. Preliminary design indicates that relief wells will be located at levee stations 177/0+00 to 180/11+00 landside of the levee.
32. MO-AR State Line to St. Francis Levee Part 3 (183/0+00 to 190/0+00), Item 697-R. This item of work is 3.5 miles long and is located on right descending bank of the Mississippi River opposite river mile 697. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 183/8+00 to 183/44+00, 184/30+00 to 185/1+00, 186/28+00 to 186/39+00, and 187/0+00 to 190/0+00. Borrow material for the embankment is tentatively proposed to be obtained from 8.8 acres of cultivated fields riverside of levee stations 184/4+50 to 184/8+20, 184/39+00 to 184/43+00, 186/30+00 to 186/36+00, and 187/37+63 to 188/15+50, respectively.
33. MO-AR State Line to St. Francis Levee Part 4 (190/0+00 to 198/0+00), Item 693-R. This item of work is 5.5 miles long and is located on right descending bank of the Mississippi River opposite river mile 693. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1.5 feet, on average, which will increase the base width of the levee approximately 45 feet, on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 190/0+00 to 195/0+00, 195/42+00 to 196/15+00, and 197/18+00. Borrow material for the embankment is tentatively proposed to be obtained from 13.5 acres of a cultivated field riverside of levee stations 187/37+63 to 188/15+50.
34. MO-AR State Line to St. Francis Levee Part 5 (198/0+00 to 210/30+00), Item 682-R. This item of work is 5.5 miles long and is located on the right descending bank of the Mississippi River opposite river mile 682. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1.5 feet on average, which will increase the base width of the levee approximately 45 feet on average on the riverside. Preliminary design indicates that the grade raise will be located at levee stations 199/0+00, 199/25+00 to 204/42+00, and 208/8+00 to 210/25+00. Borrow material for the embankment is tentatively proposed to be obtained from 20.8 acres of cultivated fields riverside of levee stations 199/0+00 to 199/23+01, 204/30+00 to 204/31+00, and 209/30+20 to 209/40+20, respectively.



35. Elaine, AR to Laconia Circle Levee (48/4+00S to 48/8+90S), Item 620-R. This item of work is 500 feet long and is located on the right descending bank of the Mississippi River opposite river mile 620. It consists of raising the grade of the existing levee to control overtopping. The grade raise is approximately 1 foot, on average, which will increase the base width of the levee approximately 35 feet on average on the riverside. Borrow material for the embankment is tentatively proposed to be obtained from 0.4 acres of a cultivated field riverside of levee stations 48/0+00 to 48/3+08.

#### A1-1.2 MVK Boundaries:

36. Cessions, MS, Seepage Remediation, Item 615-L. This item of work is 1.4 miles long and located on the left descending bank of the Mississippi River opposite river mile 615. The item consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed 81-acre borrow location is assumed to be on the landside of the levee in an agricultural area.

37. Deeson-Gunnison, MS, Seepage Remediation, Item 611-L. This item of work is 7.2 miles long and located on the left descending bank of the Mississippi River opposite river mile 611. The item consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed 37-acre borrow location is assumed to be on the riverside of the levee in an agricultural field.

38. Rosedale, MS, Seepage Remediation, Item 587-L. This item of work is 3.2 miles long and located on the left descending bank of the Mississippi River opposite river mile 587. The item consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed borrow areas consist of 31-acres of borrow to be on the riverside of the levee in a bottomland hardwood area.

39. Bolivar, MS, Seepage Remediation, Item 577-L. This item of work is 2.8 miles long and located on the left descending bank of the Mississippi River opposite river mile 577. The item consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed 42-acre borrow locations are assumed to be on the riverside of the levee in a bottomland hardwood area.

40. Brunswick-Halpino, MS, Levee Enlargement and Seepage Remediation, Item 443-L. This item of work is 4.3 miles long and located on the left descending bank of the Mississippi River opposite river mile 443. The item consists of raising the levee an average of 3.5 feet with a riverside shift of the centerline and will be further analyzed to determine if seepage measures are needed. The tentatively proposed 32-acre borrow location is assumed to be on the riverside of the levee in a bottomland hardwood area.

41. Morville-Black Hawk, LA, Seepage Remediation, Item 355-R. This item of work is 1.8 miles long and located on the right descending bank of the Mississippi River opposite

river mile 355. The item consists of constructing a berm and/or enlarging two existing berms to control seepage. The tentatively proposed 20-acre borrow location is assumed to be on the landside of the levee in a cropland area.

42. Morville-Black Hawk, LA, Levee Enlargement, Item 351-R. This item of work is 4.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 351. The item consists of raising the levee an average of 2.3 feet, with a riverside shift of the centerline. The tentatively proposed 72-acre borrow location is assumed to be on the riverside of the levee in a tree plantation area.
43. Morville-Black Hawk, LA, Seepage Remediation, Item 348-R. This item of work is 0.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 348. The item consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed 19-acre borrow location is assumed to be on the riverside of the levee in a cropland area.
44. Morville-Black Hawk, LA, Levee Enlargement and Seepage Remediation, Item 345-R. This item of work is 3.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 345. The item consists of raising the levee an average of 2 feet, with a riverside shift of the centerline. In addition, this item of work consists of constructing two berms and/or enlarging an existing berm to control seepage. The tentatively proposed 157-acre borrow location is assumed to be on both the riverside and landside of the levee in cropland areas.
45. Morville-Black Hawk, LA, Seepage Remediation, Item 341-R. This item of work is 1.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 341. The item consists of installing relief wells to control seepage; therefore, no borrow material is expected to be required.
46. Morville-Black Hawk, LA, Seepage Remediation, Item 340-R. This item of work is 3 miles long and located on the right descending bank of the Mississippi River opposite river mile 340. The item consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed 27-acre borrow location is assumed to be on the riverside of the levee in a shrub-scrub/bottomland hardwood area.
47. Morville-Black Hawk, LA, Seepage Remediation, Item 337-R. This item of work is 3 miles long and located on the right descending bank of the Mississippi River opposite river mile 337. The item consists of installing relief wells to control seepage; therefore, no borrow material is expected to be required.
48. Morville-Black Hawk, LA, Levee Enlargement and Seepage Remediation, Item 333-R. This item of work is 3.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 333. The item consists of raising the levee an average of 1.2 feet, with a riverside shift of the centerline. In addition, this item of work

also consists of constructing a berm and/or enlarging an existing berm to control seepage. The tentatively proposed 56-acre borrow location is assumed to be on the riverside of the levee in a cropland area.

49. Morville-Black Hawk, LA, Levee Enlargement, Item 330-R. This item of work is 1.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 330. The item consists of raising the levee an average of 1 foot, with a riverside shift of the centerline. The tentatively proposed 22-acre borrow location is assumed to be on the riverside of the levee in a bottomland hardwood area.
50. Morville-Black Hawk, LA, Levee Enlargement and Seepage Remediation, Item 326-R. This item of work is 5.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 326. The item consists of raising the levee an average of 1 foot for approximately 2.8 miles, with a riverside shift of the centerline, and constructing a berm, and/or enlarging an existing berm, to control seepage. The project will require two borrow areas, with one tentatively proposed 36-acre borrow location assumed to be on the riverside of the levee in a shrub/bottomland hardwood area and a 67-acre borrow location is assumed to be on the riverside of the levee in a cropland/bottomland hardwood area.
51. Morville-Black Hawk, LA, Levee Enlargement and Seepage Remediation, Item 320-R. This item of work is 3.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 320. The item consists of raising the levee an average of 2.2 feet, with a riverside shift of the centerline. Due to the proximity of Richard K. Yancey State Wildlife Management Area, relief wells will be installed instead of the standard berm embankment. Approximately 38-acres of borrow material is expected to be required and is assumed to be on the riverside of the levee in a bottomland hardwood area.

#### A1-1.3 MVN Boundaries:

52. Combined Lower/Upper 5th 308-317-W, LA, Levee, Item 312.5-R. This item of work is 4.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 312.5. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a flood side shift of the centerline. The borrow area (approximate 16 acres) to construct the levee raise for this item is located on the riverside of the levee in a bottomland hardwood wetland area.
53. Old River Lock - Levee, LA, Levee, Item 304-R. This item of work is 0.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 304. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a levee lift straddling the existing levee centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood wetland area.

54. Smithland to Lacour 289-298 R, LA, Levee and Berm, Item 293.5-R. This item of work is 8.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 293.5. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with the levee lift straddling the existing levee centerline. The work also consists of constructing a berm for a portion of the item to control seepage. The borrow area (approximate 20 acres) to construct the levee raise and berm for this item is located on the landside of the levee in a bottomland hardwood wetland area.
55. Pt Coupee Levee Enlargement, LA, Levee, Item 268-R. This item of work is 0.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 268. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a flood side shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood wetland area.
56. Arbroth Levee Enlargement, LA, Levee, Item 253-R. This item of work is 0.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 253. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a flood side shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood wetland area.
57. Smithfield Levee Enlargement, LA, Levee, Item 246-R. This item of work is 0.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 246. The item consists of raising the levee an average of 1.0 feet extending over the length of the Work Item with a flood side shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area and/or bottomland hardwood wetland area.
58. Fancy Point, LA, Levee, Item 242.5-R. This item of work is 2.9 miles long and located on the right descending bank of the Mississippi River opposite river mile 242.5. The item consists of raising the levee an average of 2.0 feet extending over the length of the Work Item with a landside shift of the centerline. The borrow area (approximate 11 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area and/or bottomland hardwood wetland area.
59. Thomas Point, LA, Levee, Item 240.3-R. This item of work is 0.8 miles long and located on the right descending bank of the Mississippi River opposite river mile 240.3. The item consists of raising the levee an average of 1.0 feet extending over the length of the Work Item with a landside shift of the centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area and/or bottomland hardwood wetland area.
60. Port Allen, LA, Levee, Item 231-R. This item of work is 2.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 231. The item

consists of raising the levee an average of 2.0 feet extending over the length of the Work Item with a landside shift of the centerline. The borrow area (approximate 9 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.

61. Port Allen Lock – Levee, LA, Levee, Item 228-R. This item of work is 0.01 miles long and located on the right descending bank of the Mississippi River opposite river mile 228. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with the levee lift straddling the existing levee centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
62. Addis, LA, Levee, Item 223-R. This item of work is 0.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 223. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
63. Ben Hur Road, LA, Levee, Item 217.6-L. This item of work is 0.07 miles long and located on the left descending bank of the Mississippi River opposite river mile 217.6. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
64. Morrisonville, LA, Levee, Item 216-R. This item of work is 2.8 miles long and located on the right descending bank of the Mississippi River opposite river mile 216. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 9 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
65. Plaquemines Point, LA, Berm and/or Wells, Item 208-L. This item of work is 0.9 miles long and located on the left descending bank of the Mississippi River opposite river mile 208. The item consists of either embankment berm construction, and/or relief wells to control seepage in the area. The borrow area (approximate 5 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
66. Plaquemine/Reveille, LA, Levee, Item 206.7-R. This item of work is 2.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 206.7. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 4 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.

67. Lower Plaquemines Point, LA, Levee, Item 199-L. This item of work is 5.5 miles long and located on the left descending bank of the Mississippi River opposite river mile 199. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 14 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
68. Bayou Goula to Alhambra, LA, Levee, Item 194.5-R. This item of work is 0.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 194.5. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
69. Carville, LA, Levee, Item 189-L. This item of work is 0.7 miles long and located on the left descending bank of the Mississippi River opposite river mile 189. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1.5 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
70. Claiborne Island, LA, Berm, Item 189-R. This item of work is 0.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 189. The work consists of constructing a berm for control seepage. The borrow area (approximate 3 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
71. Marchand, LA, Levee, Item 181-L. This item of work is 0.05 miles long and located on the left descending bank of the Mississippi River opposite river mile 181. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
72. ABLD-1 180 R, LA, Levee, Item 180-R. This item of work is 0.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 180. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside or flood side shift of the centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
73. Smoke Bend, LA, Levee, Item 178-R. This item of work is 3.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 178. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 10

acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.

74. Stella Landing, LA, Levee, Item 173.9-R. This item of work is 0.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 173.9. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
75. Aben, LA, Levee, Item 172.6R. This item of work is 1.6 miles long and located on the right descending bank of the Mississippi River opposite river mile 172.6. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 4 acres) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
76. Point Houmas (Lauderdale), LA, Levee, Item 165-R. This item of work is 0.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 165. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
77. Brilliant Point 163.5 R, LA, Levee, Item 163.5-R. This item of work is 1.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 163.5. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 10 acres) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
78. Romeville, LA, Levee, Item 163-L. This item of work is 0.05 miles long and located on the left descending bank of the Mississippi River opposite river mile 163. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
79. Barton Lane 159.7 R, LA, Levee, Item 159.7-R. This item of work is 0.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 159.7. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.

80. St. Amelia 158R, LA, Levee, Item 158-R. This item of work is 0.02 miles long and located on the right descending bank of the Mississippi River opposite river mile 158. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
81. Romeville/College Point 156.8 L, LA, Levee, Item 156.8-L. This item of work is 0.1 miles long and located on the left descending bank of the Mississippi River opposite river mile 156.8. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
82. St. James Moonshine, LA, Levee, Item 156-R. This item of work is 1.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 156. The item consists of raising the levee an average of 3 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 5 acres) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
83. Welham Plantation, LA, Levee, Item 154-L. This item of work is 0.5 miles long and located on the left descending bank of the Mississippi River opposite river mile 154. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
84. Belmont, LA, Levee, Item 152-L. This item of work is 0.04 miles long and located on the left descending bank of the Mississippi River opposite river mile 152. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
85. Vacherie, LA, Levee, Item 149-R. This item of work is 0.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 149. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
86. Paulina/Lutcher/Gramercy, LA, Levee, Item 148-L. This item of work is 3.8 miles long and located on the left descending bank of the Mississippi River opposite river mile 148. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 10



acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.

87. Wallace, LA, Levee, Item 147.3-R. This item of work is 0.8 miles long and located on the right descending bank of the Mississippi River opposite river mile 147.3. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
88. Gramercy.Mt. Airy/48 mile Point, LA, Levee, Item 144-L. This item of work is 0.3 miles long and located on the left descending bank of the Mississippi River opposite river mile 144. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
89. Oak Alley - Willow Grove 142.6-144 R, LA, Levee, Item 143.7-R. This item of work is 0.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 143.7. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
90. Upper Edgard 142 R, LA, Levee, Item 142-R. This item of work is 0.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 142. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
91. Reserve, LA, Levee, Item 136-L. This item of work is 2.1 miles long and located on the left descending bank of the Mississippi River opposite river mile 136. The item consists of raising the levee an average of 1.0 feet extending over the length of the Work Item with a landside shift of the centerline. The borrow area (approximate 3 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
92. Lower Edgard (3) 135.2-136.2 R, LA, Levee, Item 135.7-R. This item of work is 0.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 135.7. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.

93. Laplace, LA, Levee, Item 133-L. This item of work is 0.5 miles long and located on the left descending bank of the Mississippi River opposite river mile 133. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
94. Lower Edgard 131.7 R, LA, Levee, Item 131.7-R. This item of work is 0.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 131.7. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
95. 35 Mile Point, LA, Levee, Item 130-L. This item of work is 0.6 miles long and located on the left descending bank of the Mississippi River opposite river mile 130. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 2.5 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
96. Hahnville, Flagville, Dufresne 120-128.5 R, LA, Levee, Item 124.3-R. This item of work is 0.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 124.3. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
97. Bonnet Carre to New Sarpy, LA, Levee, Item 124-L. This item of work is 1.8 miles long and located on the left descending bank of the Mississippi River opposite river mile 124. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 4 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
98. Lone Star to Davis Pond, LA, Levee, Item 119.2-R. This item of work is 1 mile long and located on the right descending bank of the Mississippi River opposite river mile 119.2. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 2 acres) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
99. Davis Pond Freshwater Diversion Structure Floodwall, LA, Floodwall, Item 118.5- R. This item of work is 0.05-miles-long capped sheet pile floodwall and located on the right descending bank of the Mississippi River opposite river mile 118. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.

100. Ama #2, LA, Levee, Item 117.3-R. This item of work is 0.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 117.3. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
101. Cyanamid, LA, Levee, Item 115.5-R. This item of work is 0.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 115.5. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the riverside of the levee in a cropland area.
102. St. Rose (Kenner Revet), LA, Levee, Item 115-L. This item of work is 1.3 miles long and located on the left descending bank of the Mississippi River opposite river mile 115. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 3 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area.
103. Ama, LA, Levee, Item 113.5-R. This item of work is 0.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 113.5. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
104. Waggaman and Bridge City Levee and Floodwall, LA, Floodwall, Item 109.6-R. This item of work is 0.24-miles-long floodwall and located on the right descending bank of the Mississippi River opposite river mile 110. The item consists of work on the floodwall only, removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
105. Waggaman, LA, Levee, Item 110.4-R. This item of work is 0.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 110.4. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
106. Upper Avondale, LA, Levee, Item 108.3-R. This item of work is 0.6 miles long and located on the right descending bank of the Mississippi River opposite river mile 108.3. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1

acre) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.

107. Lower Avondale, LA, Levee or Floodwall, Item 107-R. This item of work is 1.4 miles long and located on the right descending bank of the Mississippi River opposite river mile 107. The item consists of either raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The item for a floodwall consists of raising the current elevation of the floodwall an average of 2 feet for 1.4 miles. To meet the current design grade, the existing floodwall will be replaced completely with a new pile-founded concrete T-wall, as well as adding steel gates across the ramps. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
108. Westwego Levee and Floodwall, LA, Floodwall, Item 102.1-R. This item of work is a 0.49-miles-long floodwall and located on the right descending bank of the Mississippi River opposite river mile 105. The item consists of work on the floodwall only, removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
109. Dugas to Celotex, LA, Levee, Berm and/or Wells, Item 100.4-R. This item of work is 0.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 100.4. The item consists of raising the levee an average of 1 foot, extending over the length of the Work Item, with a landside shift of the centerline. The item also will consist of either embankment berm construction, and/or relief wells to control seepage in the area. The borrow area (approximate 4.5 acres) to construct the levee raise and berm for this item is located on the landside of the levee in a pasture land area.
110. Nashville Ave. to Napoleon Ave. Floodwall, LA, Floodwall, Item 100-L. This item of work is a 1.37-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 100. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
111. Barataria Blvd., LA, Levee, Item 99.5-R. This item of work is 0.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 99.5. The item consists of raising the levee an average of 1.5, feet extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
112. Louisiana Avenue Wharves C&D, LA, Floodwall, Item 98.7-L. This item of work is a 0.14-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 92.7. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
113. Harvey Lock Forebay – Levee, LA, Levee or Floodwall, Item 98.3-R. This item of work is 0.3 miles long and located on the right descending bank of the Mississippi River

opposite river mile 98.3. The item consists of either raising the levee an average of 3.5 feet, extending over the length of the Work Item, with a flood side shift of the centerline. The item for a floodwall consists of raising the current elevation of levee with a new pile-founded concrete T-wall an average of 3.5 feet for 0.3 miles. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.

114. Louisiana Ave to Jackson Ave Floodwall, LA, Floodwall, Item 98.1-L. This item of work is a 0.28-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 97.2. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall
115. Gretna Phase II 97-97.8 R, LA, Levee or Floodwall, Item 97.4-R. This item of work is 0.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 97.4. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The item for a floodwall consists of raising the current elevation of levee with a new pile-founded, concrete T-wall an average of 1.5 feet for 0.2 miles. The borrow area (less than an acre) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
116. Jackson to Thalia, LA Floodwall, Item 96.5-L. This item of work is a 1.18-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 95.6. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
117. Thalia St. to Poydras St. Floodwall, LA, Floodwall, Item 95.3-L. This item of work is a 0.64-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 95. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
118. Spanish Plaza, LA, Floodwall, Item 95-L. This item of work is a 0.02-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 95. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
119. Canal St. to Toulouse St. Floodwall, LA, Floodwall, Item 94.8-L. This item of work is a 0.43-miles-long capped and uncapped floodwall and located on the left descending bank of the Mississippi River opposite river mile 94.9. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
120. Algiers Point 93.75-95.5 R, LA, Levee or Floodwall, Item 94.6-R. This item of work is 0.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 94.6. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The item for a floodwall consists of raising the current elevation of levee with a new pile-founded, concrete T-wall an average of 1.5 feet for 0.5 miles. The borrow area

(approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area and pasture land area.

121. Dumaine St. Floodwall, LA, Floodwall, Item 94.5-L. This item of work is a 0.47-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 94.5. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
122. Barracks St. to Montegut St. Floodwall, LA, Floodwall, Item 94.1-L. This item of work is a 0.67-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 93.9. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
123. Montegut St. to Independence St. Floodwall, LA, Floodwall, Item 93.6-L. This item of work is a 0.35-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 93.3. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
124. Independence St. to I.H.N.C. Floodwall, LA, Floodwall, Item 93-L. This item of work is a 0.6-miles-long floodwall and located on the left descending bank of the Mississippi River opposite river mile 92.8. The item consists of removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
125. IHNC Lock Forebay 92.6L - Levee, LA, Levee, Item 92.6-L. This item of work is 3.2 miles long and located on the left descending bank of the Mississippi River opposite river mile 92.6. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 7 acres) to construct the levee raise for this item is located on the landside of the levee in a marsh wetland area.
126. Holy Cross, LA, Levee, Item 92-L. This item of work is 0.4 miles long and located on the left descending bank of the Mississippi River opposite river mile 92. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a marsh wetland area.
127. Arabi Levee and Floodwall, LA, Floodwall, Item 91.2-L. This item of work is a 0.43-miles-long capped and uncapped floodwall and located on the left descending bank of the Mississippi River opposite river mile 91.2. The item consists of work on the floodwall only, removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
128. Domino Sugar, LA, Relief Wells, Item 91-L. This item of work is 0.6 miles long and located on the left descending bank of the Mississippi River opposite river mile 91. The item consists of installation of relief wells to control seepage in the area.

129. Amstar Levee and Floodwall, LA, Floodwall, Item 90.8-L. This item of work is 0.16 miles long capped and uncapped floodwall and located on the left descending bank of the Mississippi River opposite river mile 90.8. The item consists of work on the floodwall only, removing the existing I-wall and replacing with a pile-founded, concrete T-wall.
130. U.S. Coast Guard Reservation, LA, Levee, Item 90.6-R. This item of work is 3.3 miles long and located on the right descending bank of the Mississippi River opposite river mile 90.6. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 6.5 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area/pasture land area.
131. Chalmette Slip, LA, Levee or Floodwall, Item 90-L. This item of work is 0.4 miles long and located on the left descending bank of the Mississippi River opposite river mile 90. The item consists of either raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The item for a floodwall consists of raising the current elevation of the floodwall an average of 1.5 feet for 0.4 miles. To meet the current design grade, the existing floodwall will be replaced completely with a new pile-founded, concrete T-wall. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood area.
132. Chalmette Battle Field (1), LA, Levee or Floodwall, Item 88.5-L. This item of work is 0.4 miles long and located on the left descending bank of the Mississippi River opposite river mile 88.5. The item consists of either raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The item for a floodwall consists of raising the current elevation of the floodwall an average of 1.5 feet for 1.25 miles. To meet the current design grade, the existing floodwall will be replaced completely with a new pile-founded, concrete T-wall. The borrow area (approximate 3 acres) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood area.
133. Algiers Lock – Levee, LA, Levee, Item 88-R. This item of work is 0.5 miles long and located on the right descending bank of the Mississippi River opposite river mile 88. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1.5 acres) to construct the levee raise for this item is located on the landside of the levee in a cropland area/pasture land area.
134. Chalmette Battle Field (2), LA, Levee, Item 86.1-L. This item of work is 0.4 miles long and located on the left descending bank of the Mississippi River opposite river mile 86.1. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area

(approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood area.

135. Stanton, LA, Levee, Item 84.3-R. This item of work is 0.6 miles long and located on the right descending bank of the Mississippi River opposite river mile 84.3. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 1 acre) to construct the levee raise for this item is located on the landside of the levee in a cropland area and pasture land area.
136. Oakville to Alliance, LA, Levee, Item 67-R. This item of work is 6.6 miles long and located on the right descending bank of the Mississippi River opposite river mile 67. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 10 acres) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
137. Carnaevon to Phoenix, LA, Levee, Item 67-L. This item of work is 7 miles long and located on the left descending bank of the Mississippi River opposite river mile 67. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 12 acres) to construct the levee raise for this item is located on the riverside of the levee in a bottomland hardwood wetland area.
138. Alliance to Ironton, LA, Levee, Item 61.5-R. This item of work is 2.8 miles long and located on the right descending bank of the Mississippi River opposite river mile 61.5. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 5 acres) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
139. Ironton to Deer Range, LA, Levee, Item 58-R. This item of work is 3.2 miles long and located on the right descending bank of the Mississippi River opposite river mile 58. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 6 acres) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
140. Deer Range to W. Point a la Hache, LA, Levee, Item 52.5-R. This item of work is 7.7 miles long and located on the right descending bank of the Mississippi River opposite river mile 52.5. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 12 acres) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.



141. Phoenix to Bohemia, LA, Levee, Item 51-L. This item of work is 10.5 miles long and located on the left descending bank of the Mississippi River opposite river mile 51. The item consists of raising the levee an average of 2.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 19 acres) to construct the levee raise for this item is located on the landside of the levee in a bottomland hardwood wetland and marsh area.
142. W. Pt a la Hache to St. Jude, LA, Levee, Item 47.5-R. This item of work is 2.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 47.5. The item consists of raising the levee an average of 2 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 5 acres) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.
143. Port Sulphur, LA, Levee, Item 37-R. This item of work is 1.1 miles long and located on the right descending bank of the Mississippi River opposite river mile 37. The item consists of raising the levee an average of 1.5 feet, extending over the length of the Work Item, with a landside shift of the centerline. The borrow area (approximate 2.5 acres) to construct the levee raise for this item is located on the landside of the levee in a pasture land area.

**A1-2 WORK ITEM MAPS**

**A1-2 WORK ITEM MAPS**

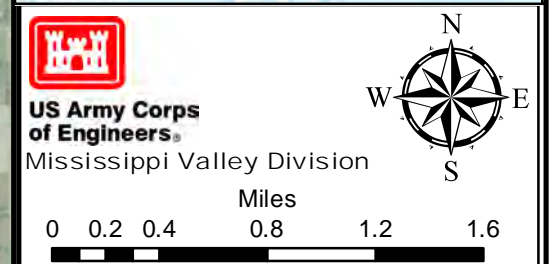
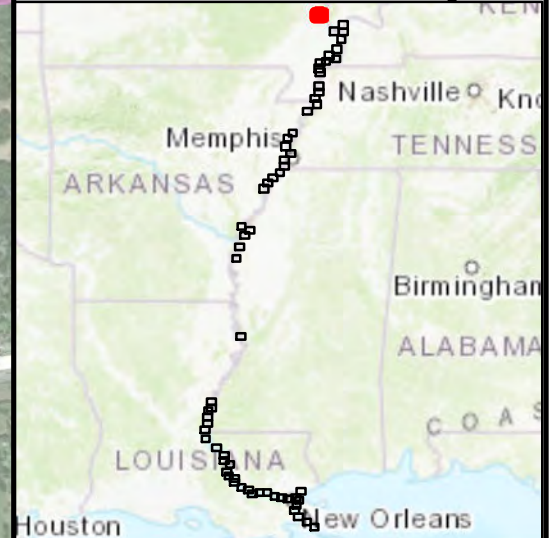
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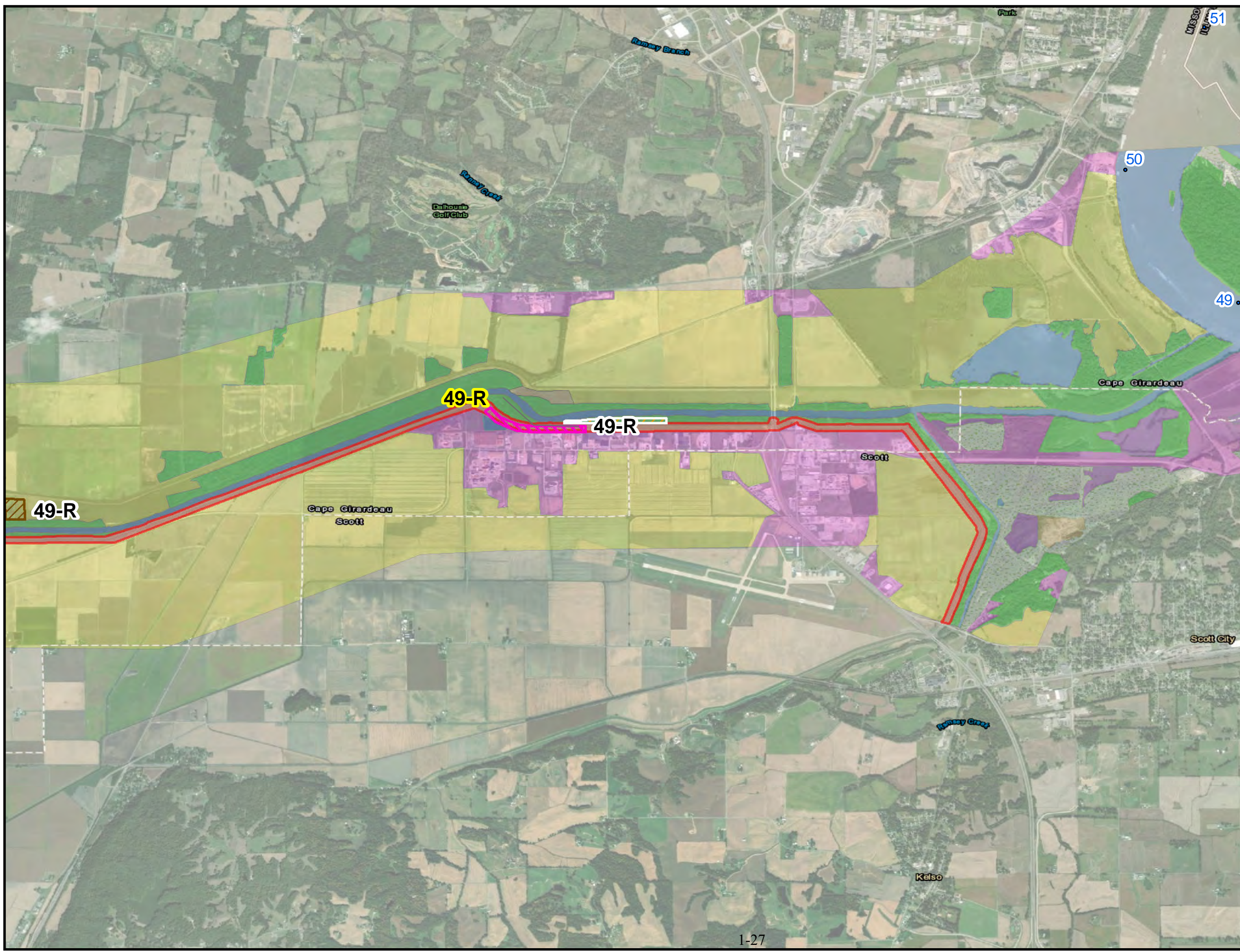
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Levee Enlargement (Raise)	<b>Classification</b>
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
<b>Alternative 2 (Traditional Construction)</b>	Herbaceous
<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



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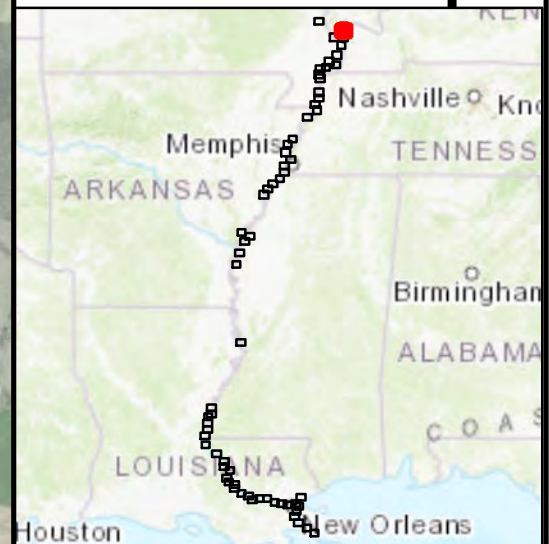
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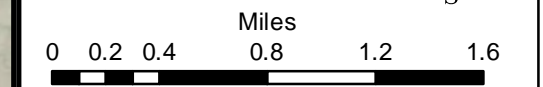
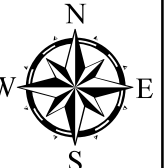
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<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	Classification
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
	Herbaceous
	Open Water
	Pasture
	Ridge-Slough Complex
	Sandbar
	Scrub/Shrub
	Tree Plantation
	Urban
	Levee
<b>Alternative 2 (Traditional Construction)</b>	
<b>Features</b>	
Borrow Area	
Haul Roads	
<b>Alternative 3 (Avoid and Minimize)</b>	
<b>Features</b>	
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

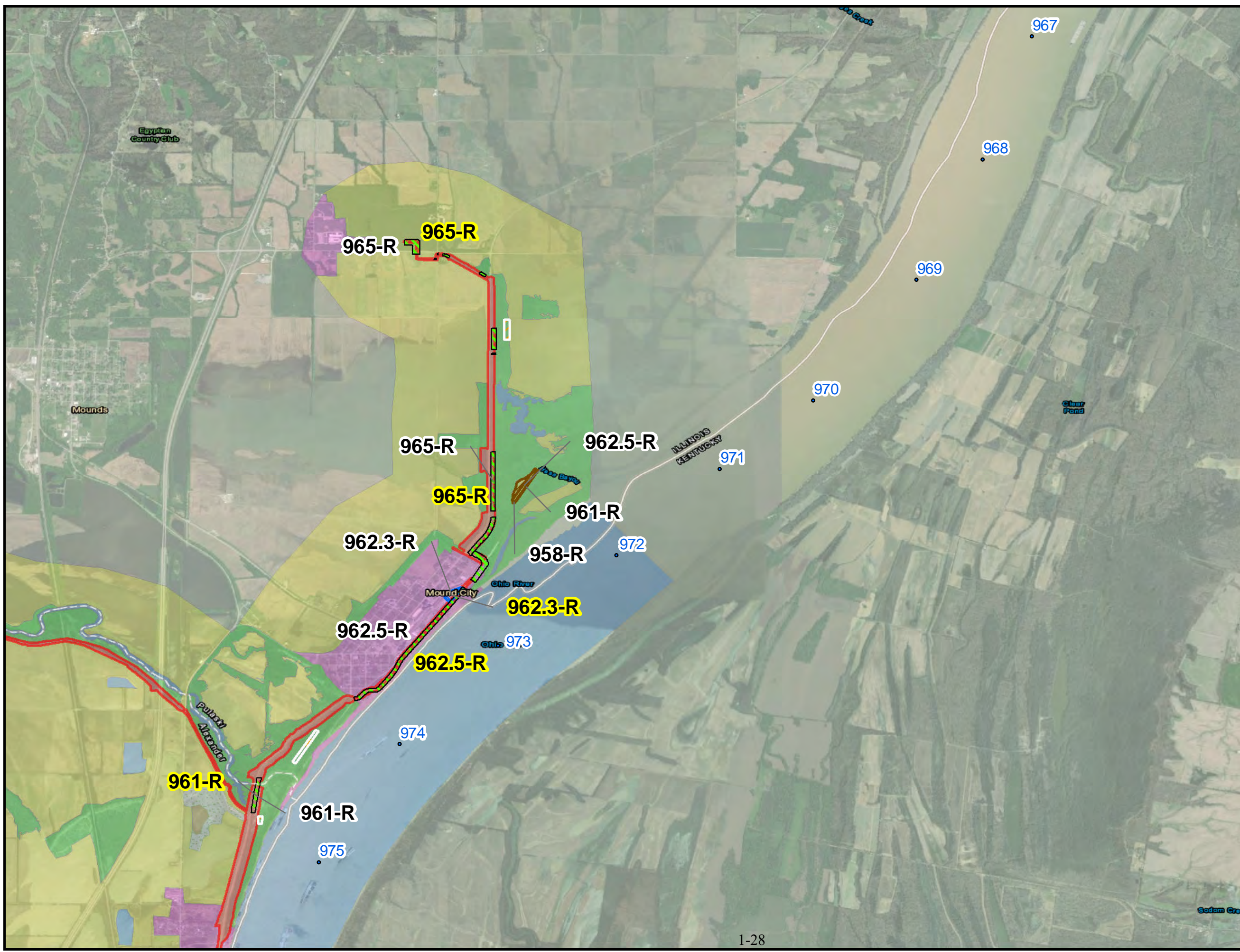
## Location Map



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Mississippi River Levees  
SEIS 2020  
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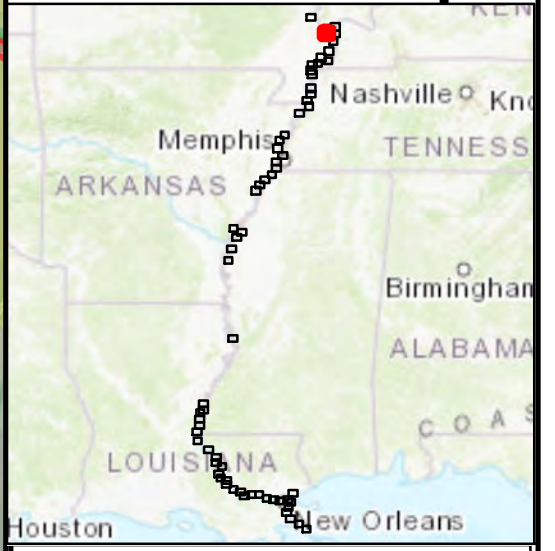

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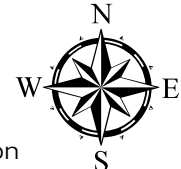
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<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map

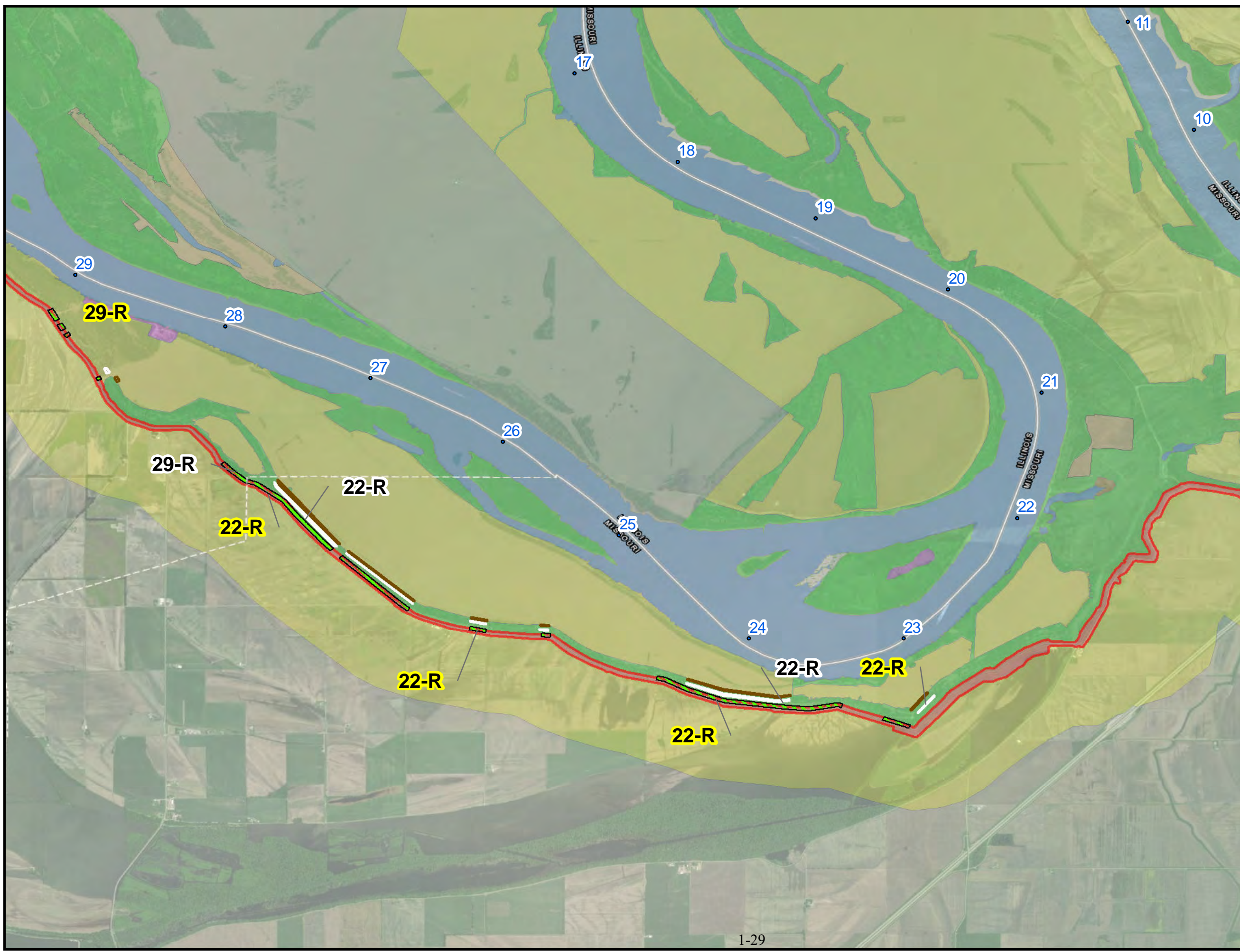



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Miles  
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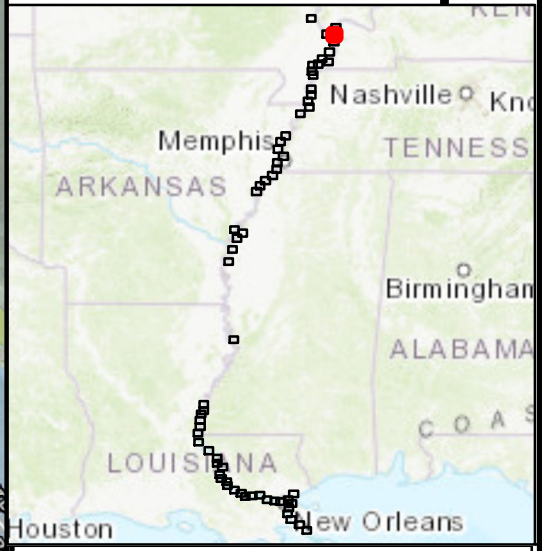
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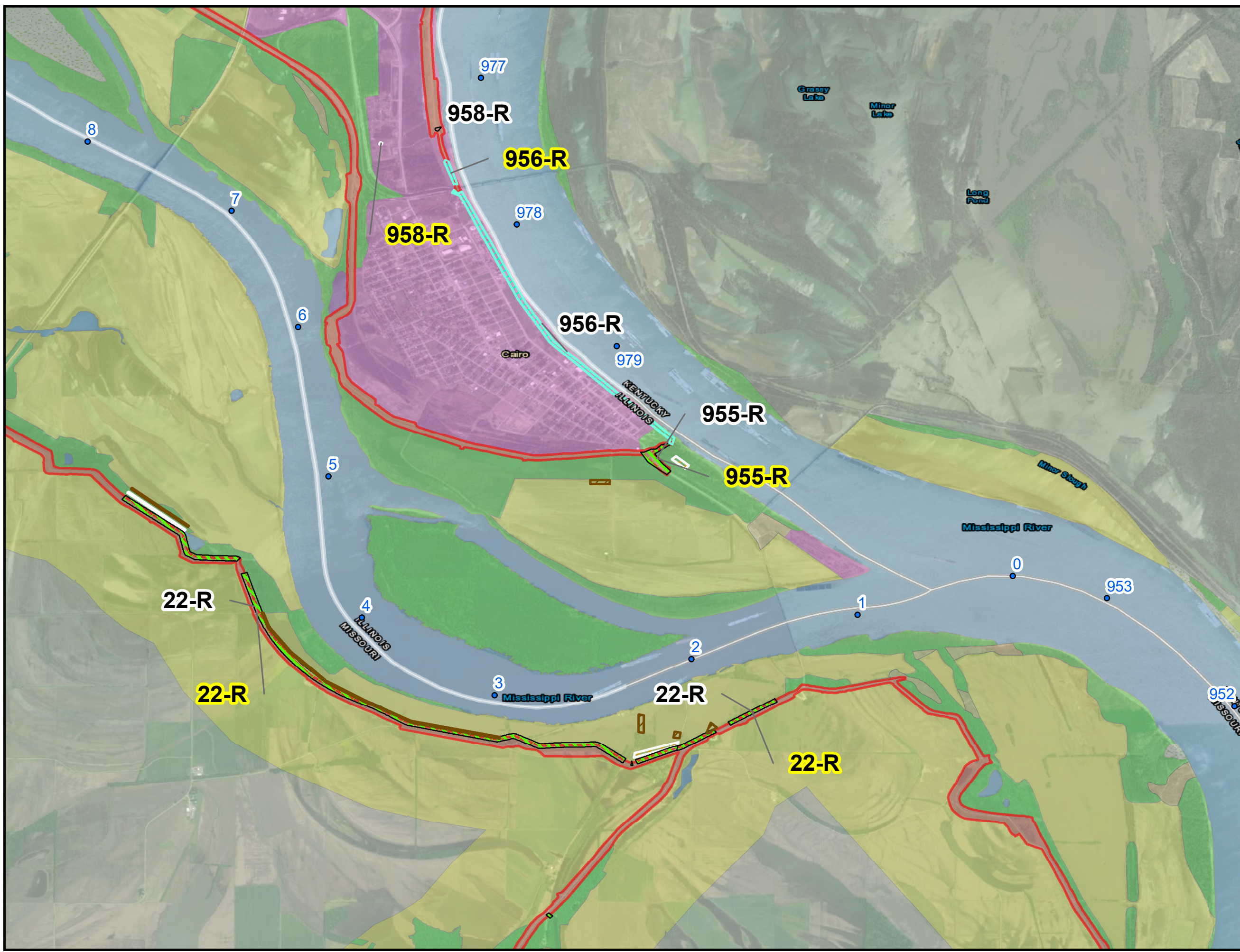
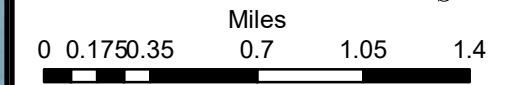
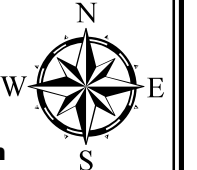
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	Classification
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
	Herbaceous
	Open Water
	Pasture
	Ridge-Slough Complex
	Sandbar
	Scrub/Shrub
	Tree Plantation
	Urban
	Levee
<b>Alternative 2 (Traditional Construction)</b>	
<b>Features</b>	
Borrow Area	
Haul Roads	
<b>Alternative 3 (Avoid and Minimize)</b>	
<b>Features</b>	
Borrow Area	
Haul Roads LS	

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## Location Map



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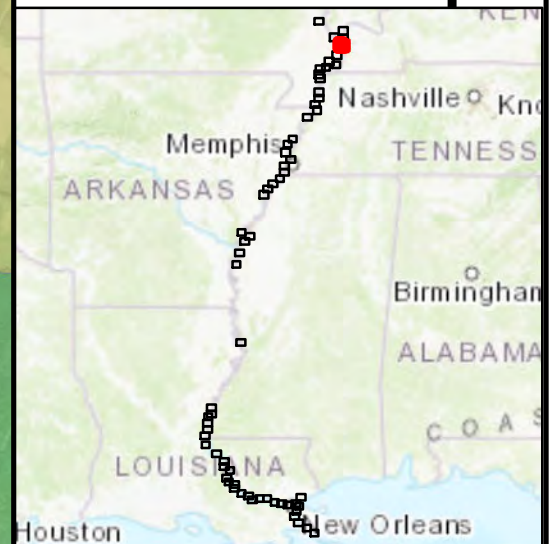
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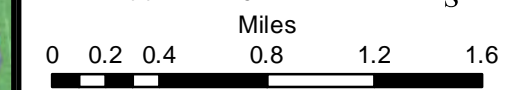
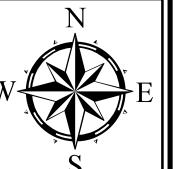
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

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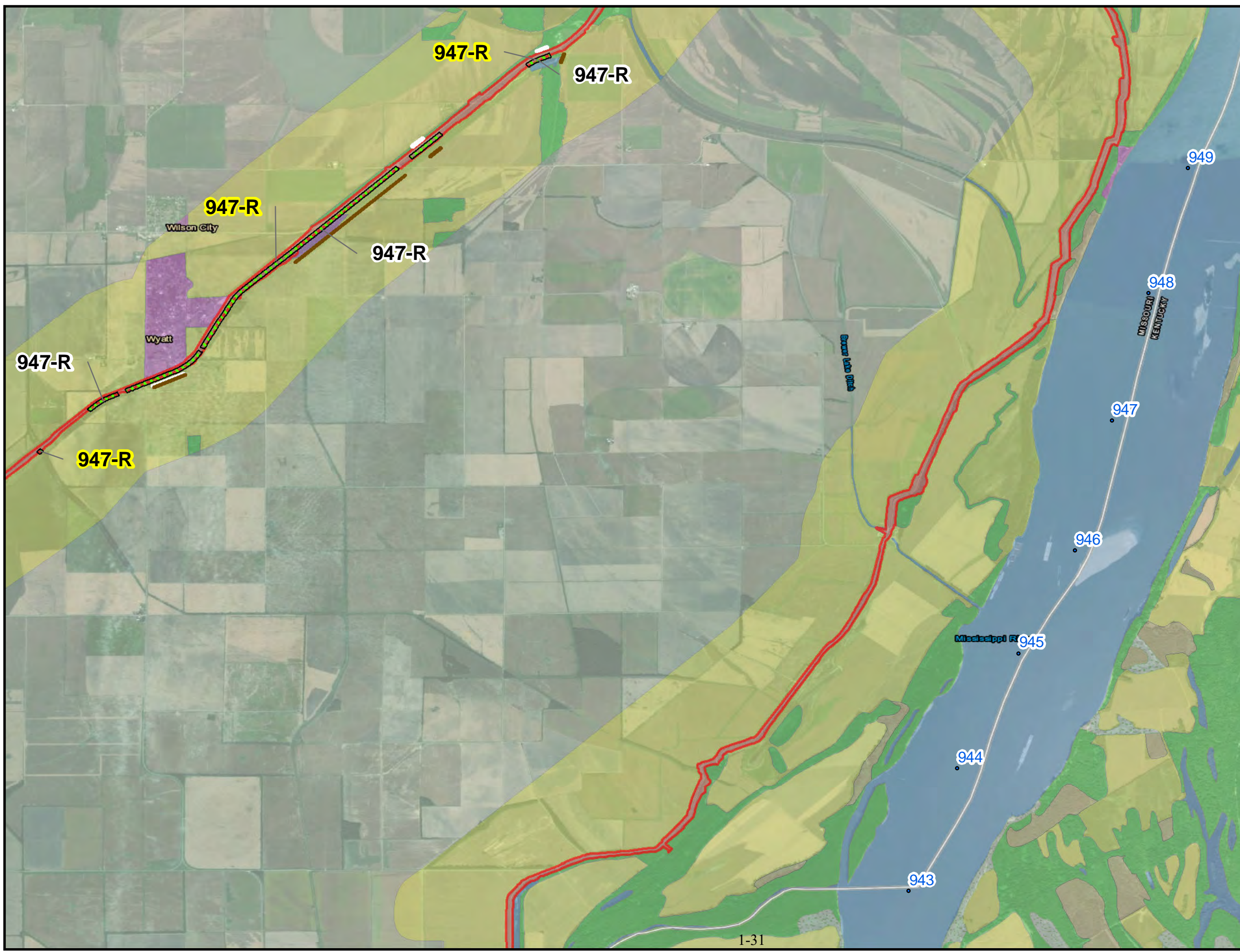
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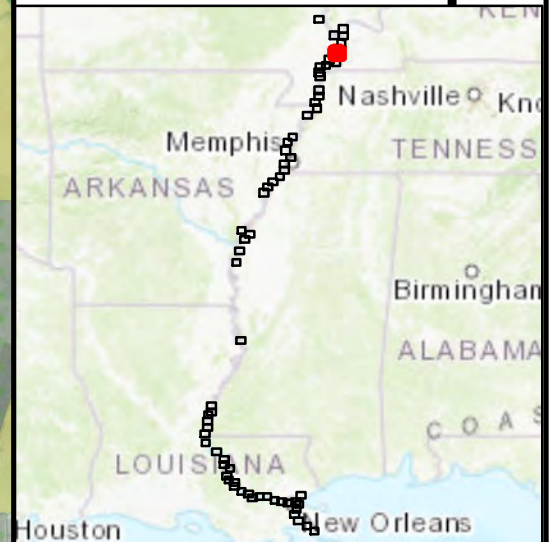
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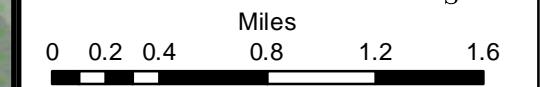
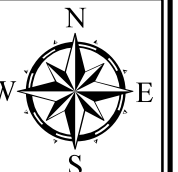
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<b>Features</b>		<b>Classification</b>
Levee Enlargement (Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

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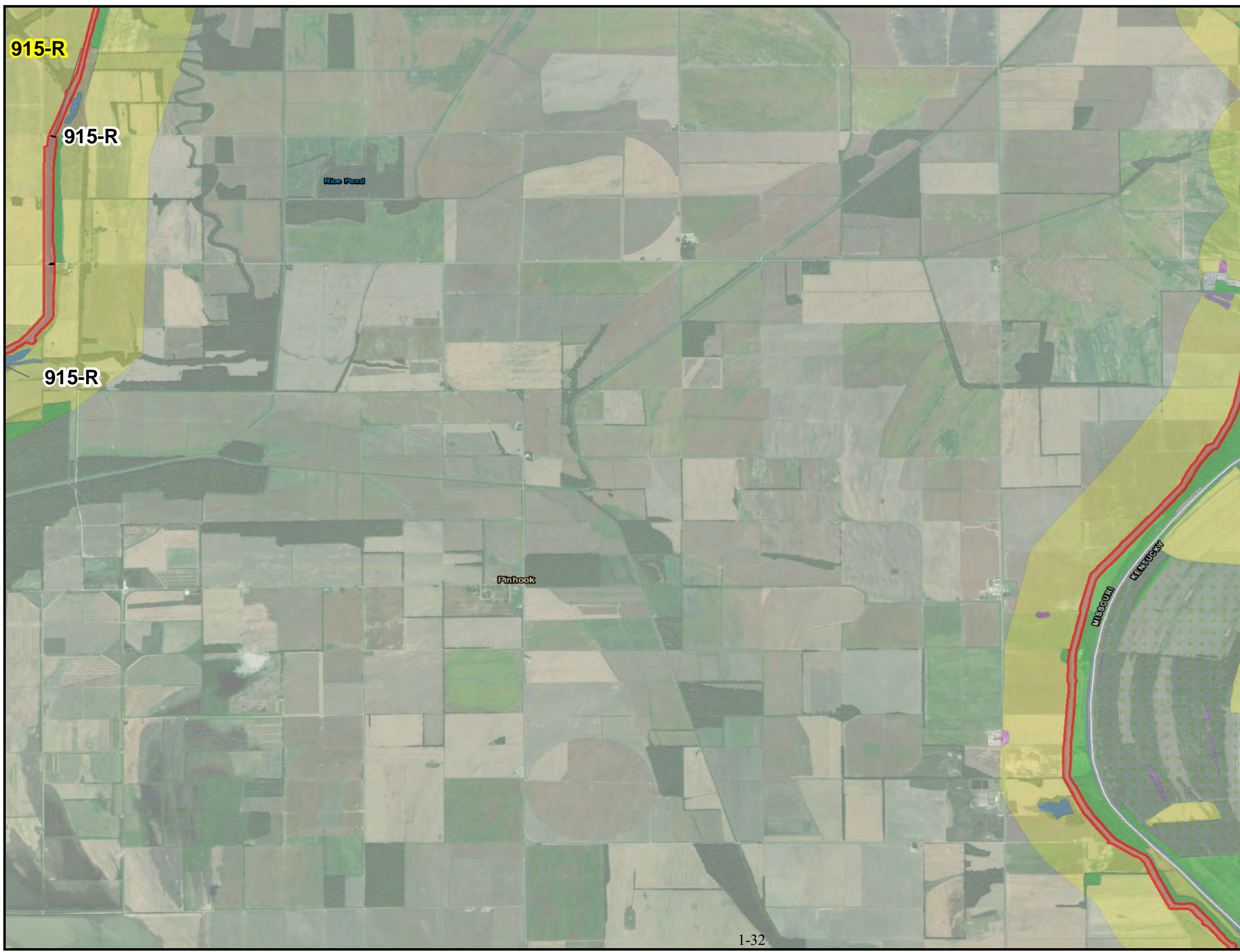
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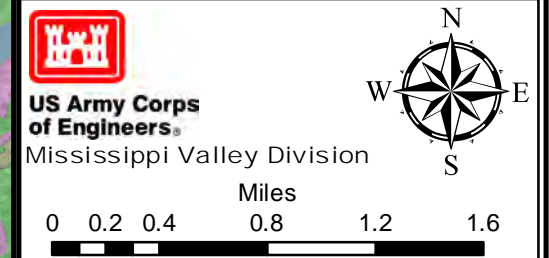
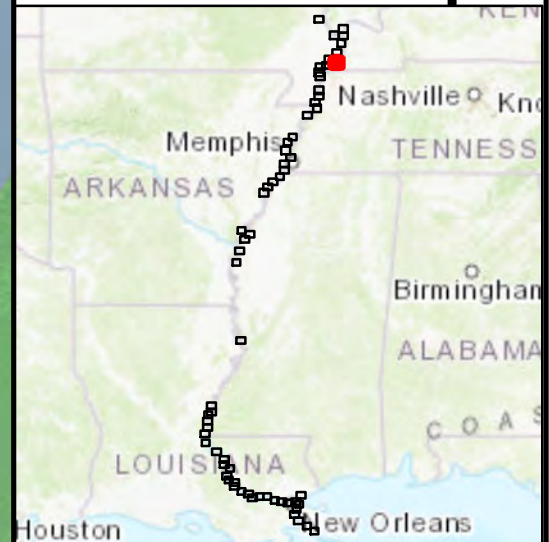
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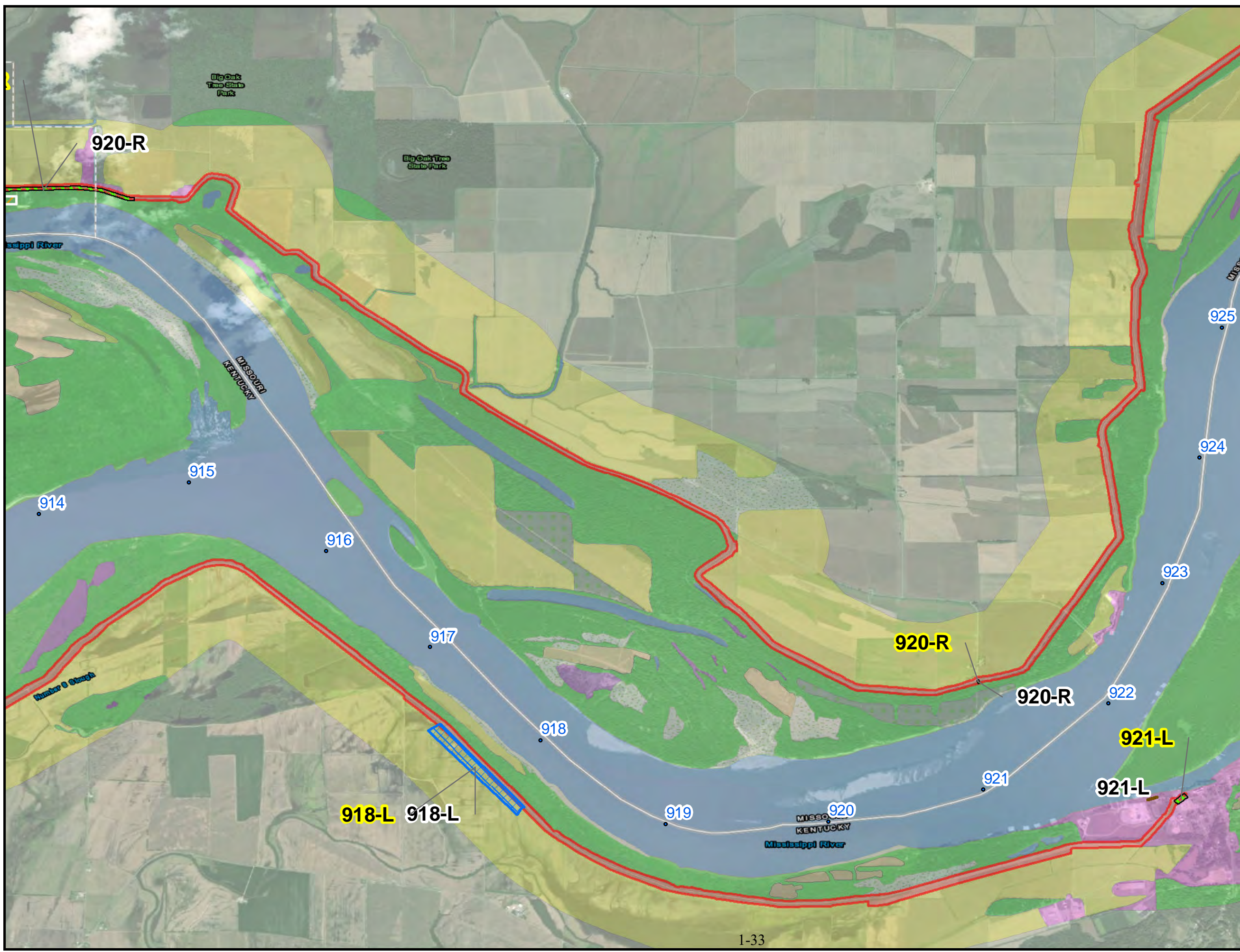
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<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	Classification
Seepage Berm	Bottom Land Hardwood
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	Sandbar
	Scrub/Shrub
	Tree Plantation
	Urban
	Levee

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## Location Map



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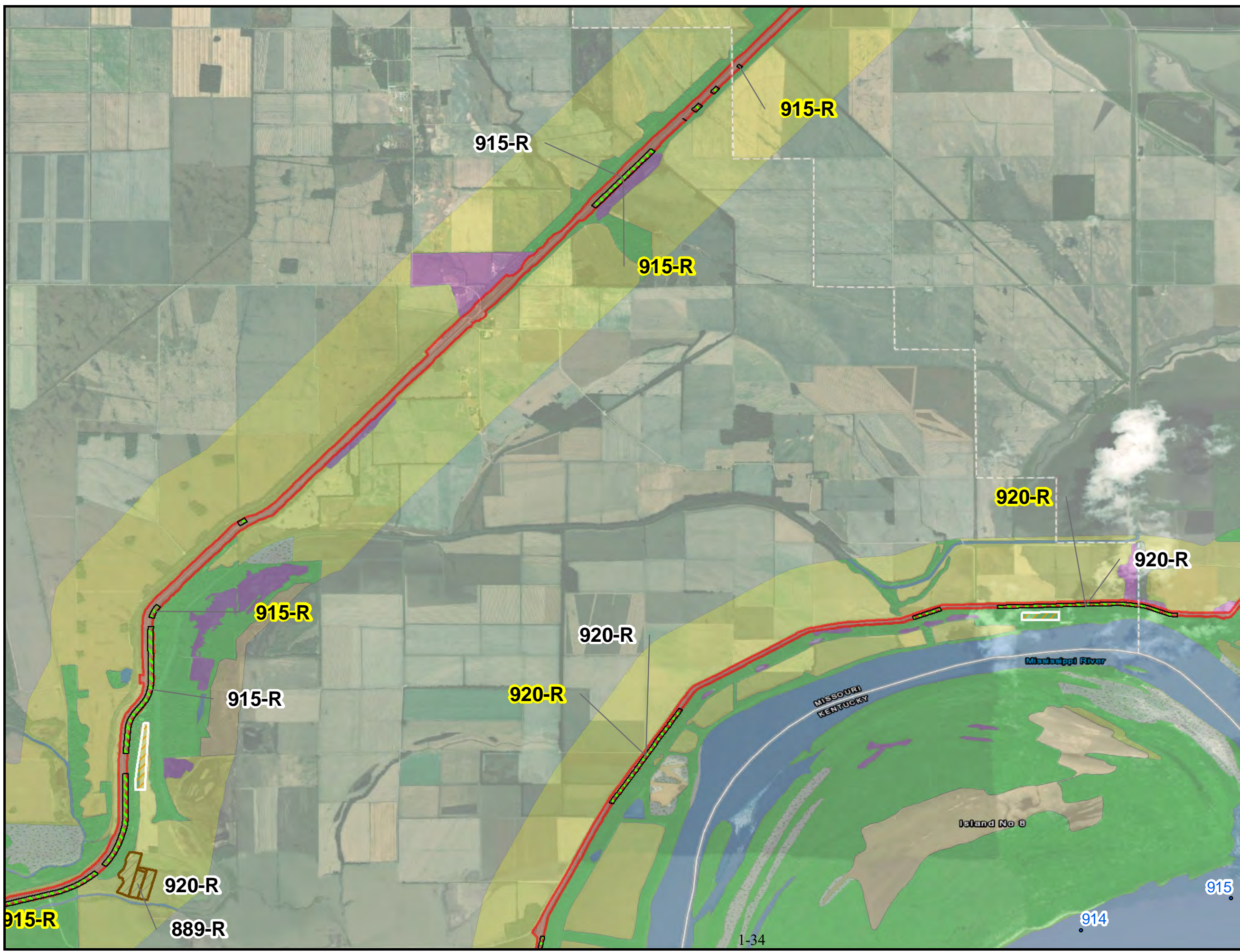
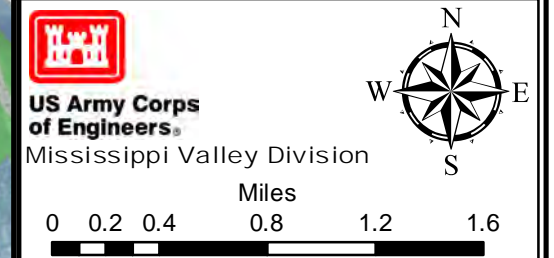
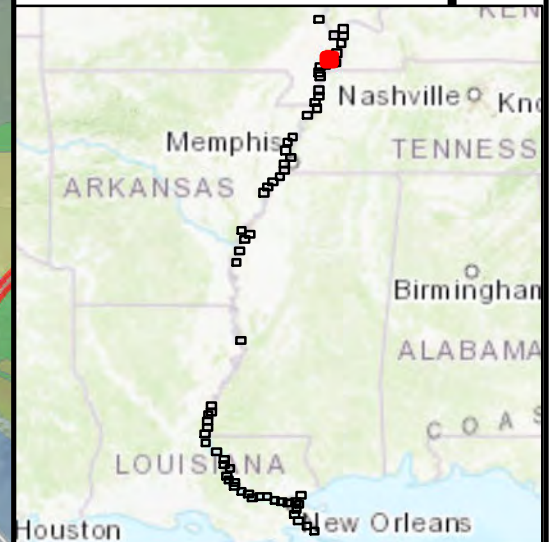
# USACE MRL SEIS 2020

## Legend

<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	<b>Classification</b>
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
<b>Alternative 2 (Traditional Construction)</b>	Herbaceous
<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



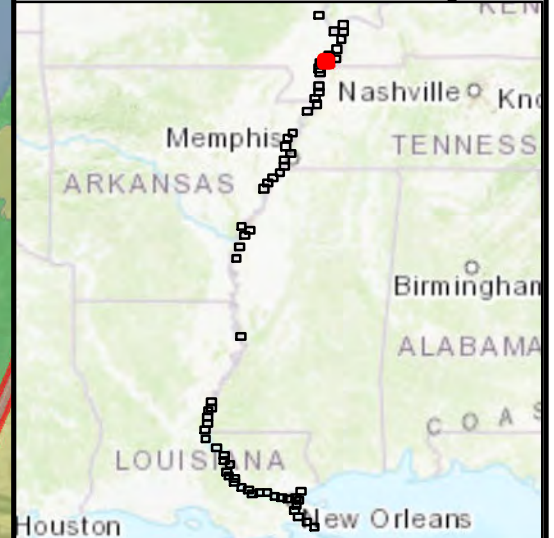
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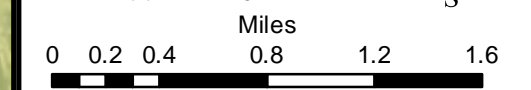
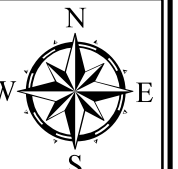
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<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood	
Seepage Berm	Bare soil	
Slope Flattening	Cropland	
Floodwall Replacement	Levee	
Relief Well	Marsh	
Drainage Ditch	Herbaceous	
	Open Water	
<b>Alternative 2 (Traditional Construction)</b>	Pasture	
<b>Features</b>	Ridge-Slough Complex	
Borrow Area	Sandbar	
Haul Roads	Scrub/Shrub	
	Tree Plantation	
<b>Alternative 3 (Avoid and Minimize)</b>	Urban	
<b>Features</b>	Levee	
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

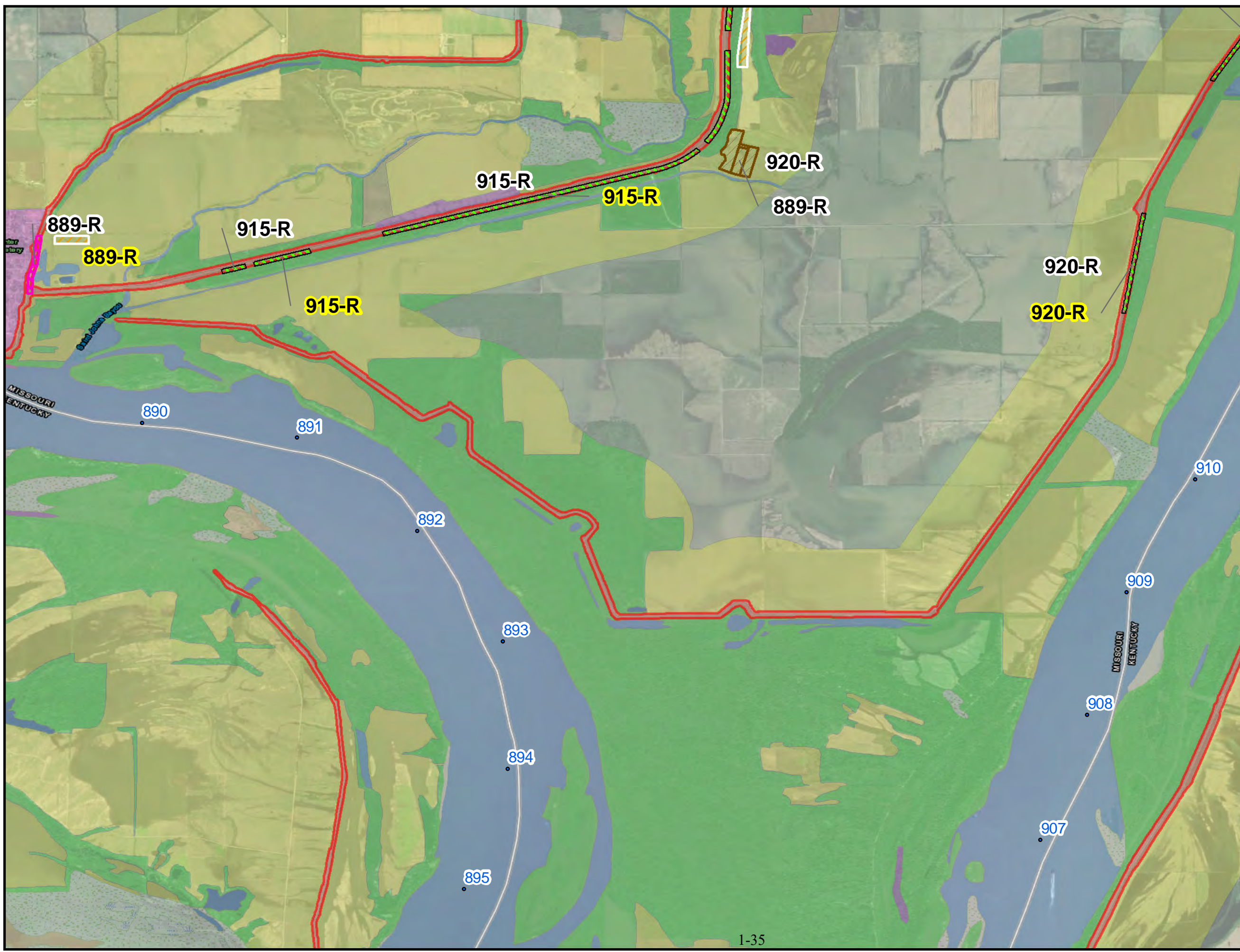
## Location Map



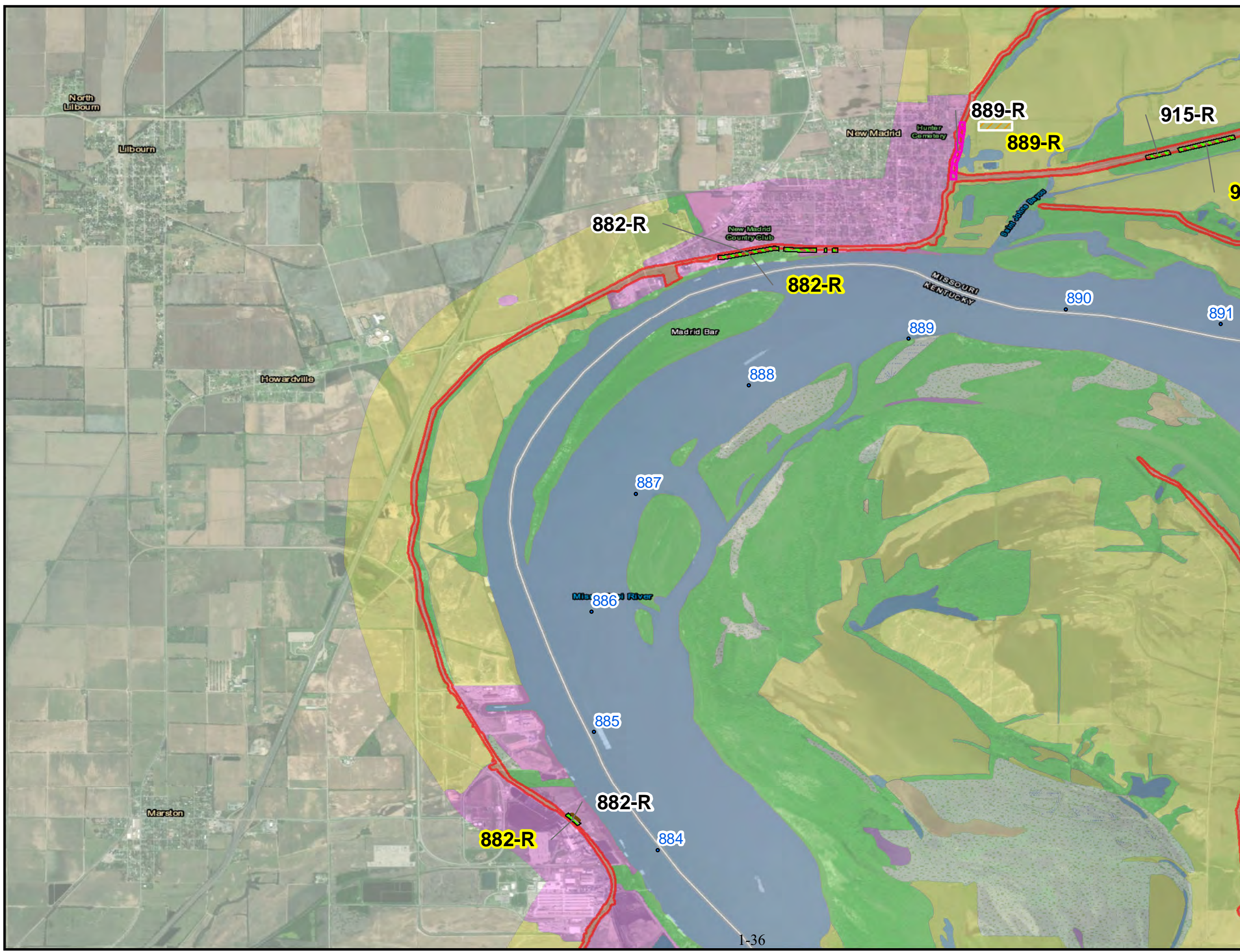
**US Army Corps of Engineers**  
Mississippi Valley Division



**USACE Army Corps of Engineers**  
**Mississippi River Levees**  
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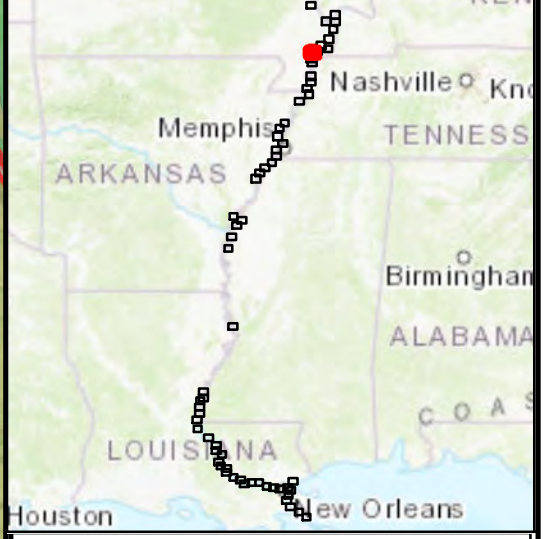


## Legend

Work Items (Alternatives 2 and 3)		Land Cover 2017	
	Levee Enlargement(Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
<b>Alternative 2 (Traditional Construction)</b>			Open Water
<b>Features</b>			Pasture
	Borrow Area		Ridge-Slough Complex
	Haul Roads		Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>			Scrub/Shrub
<b>Features</b>			Tree Plantation
	Borrow Area		Urban
	Haul Roads LS		Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



**US Army Corps of Engineers**  
Mississippi Valley Division

Miles  
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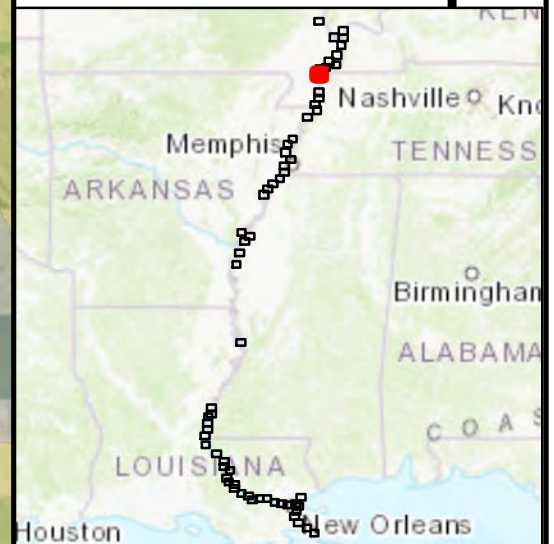
# USACE MRL SEIS 2020

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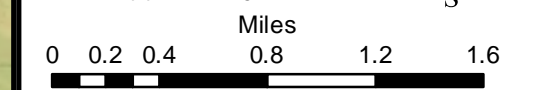
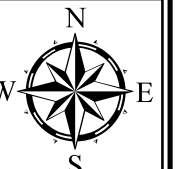
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement (Raise)	<b>Classification</b>
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
<b>Alternative 2 (Traditional Construction)</b>	Herbaceous
<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

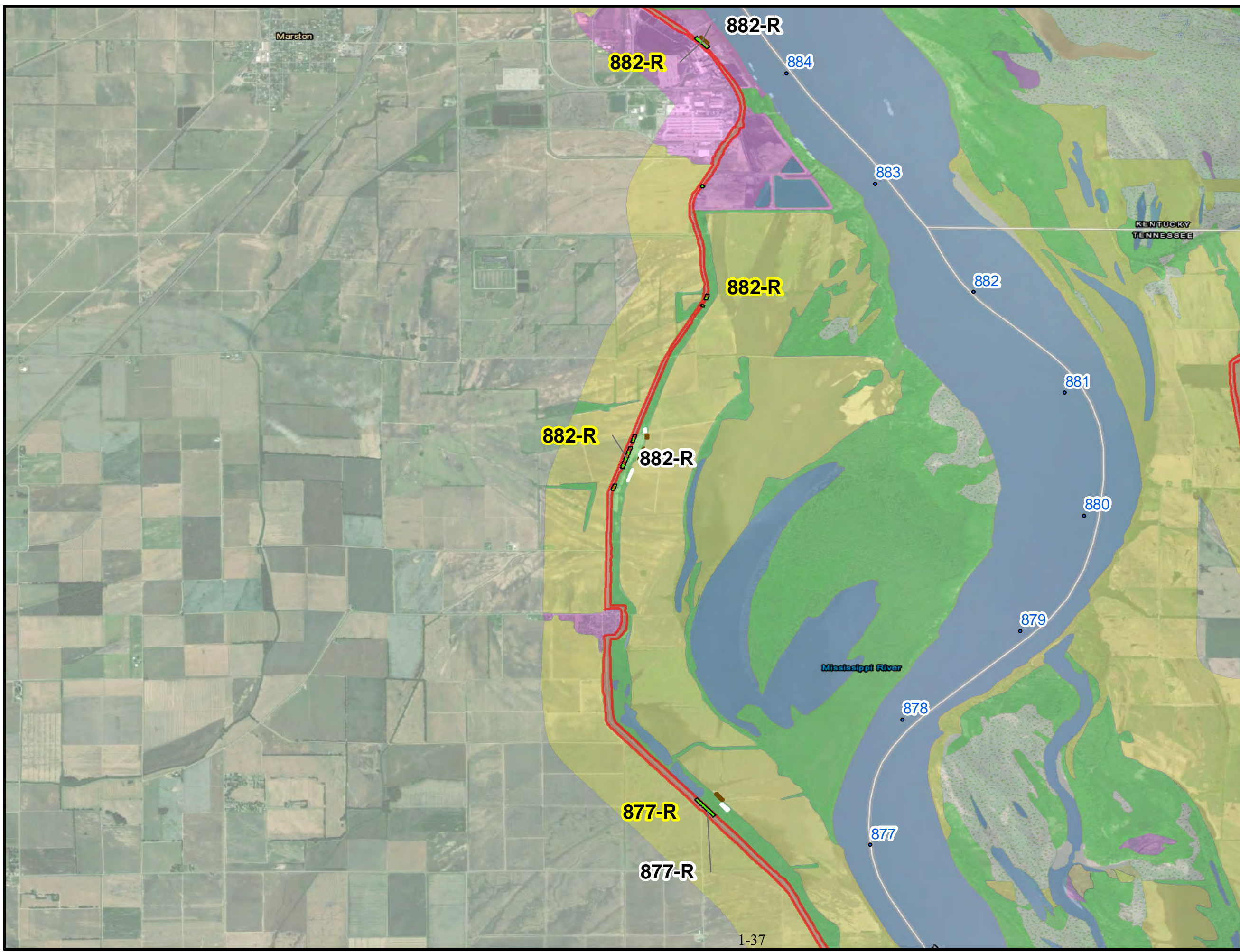
## Location Map



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Mississippi Valley Division



**USACE Army Corps of Engineers**  
**Mississippi River Levees**  
**SEIS 2020**  
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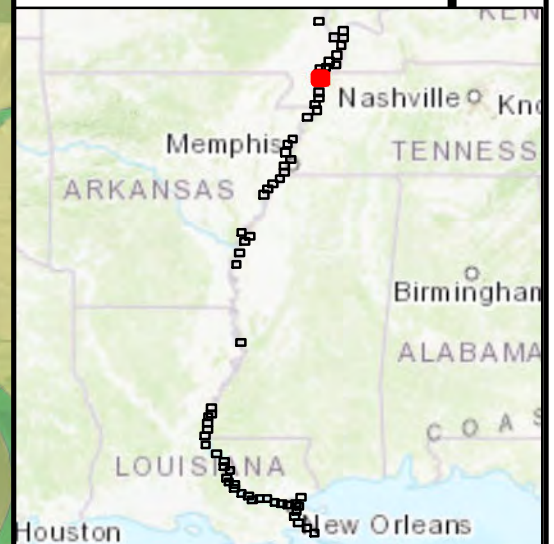
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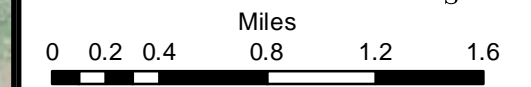
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

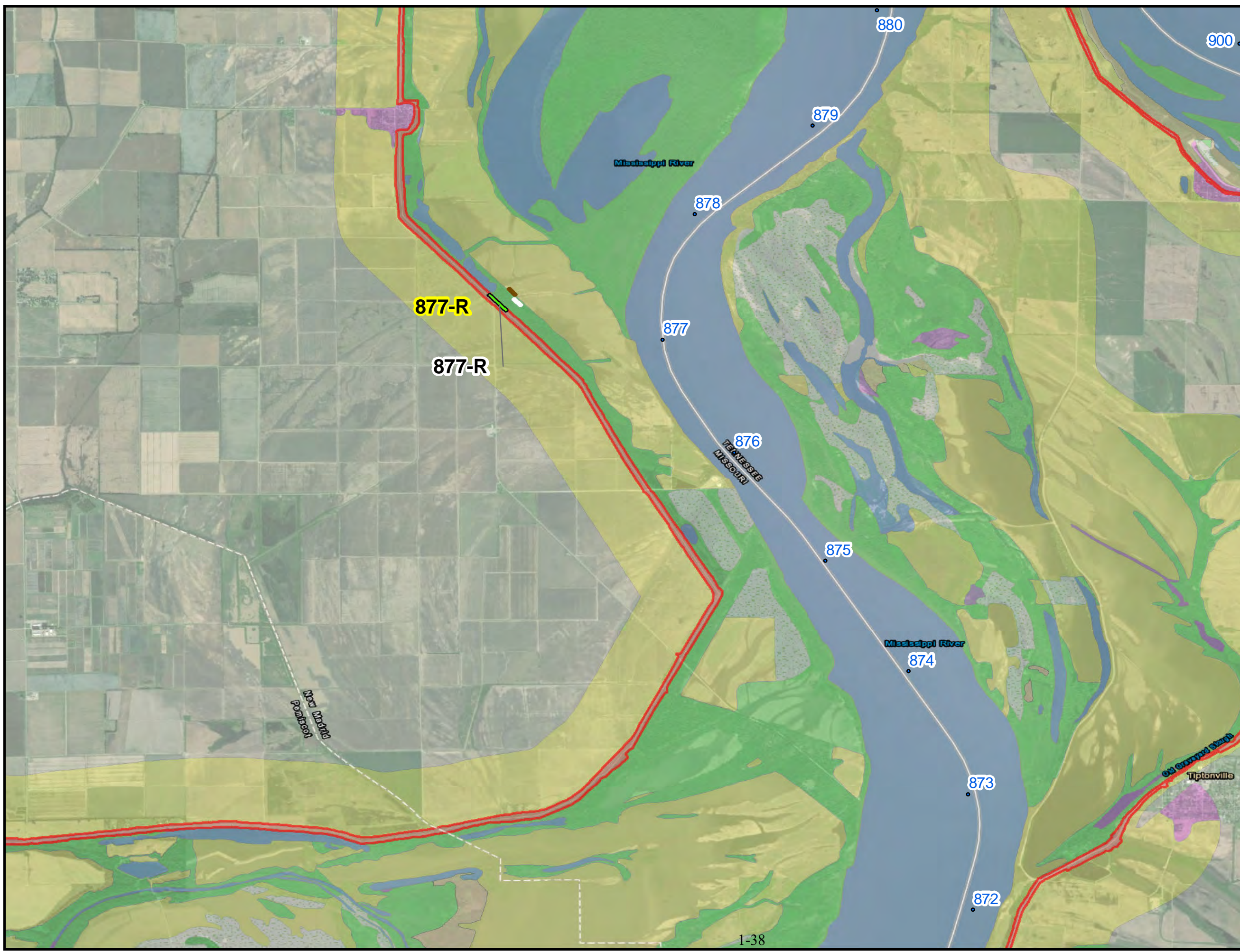
## Location Map



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**Mississippi River Levees**  
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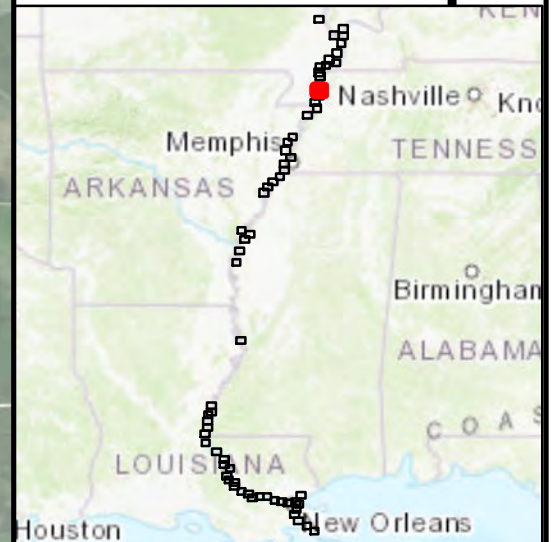
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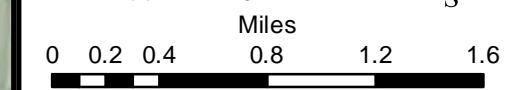
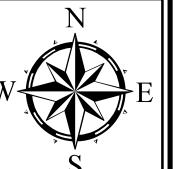
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	<b>Classification</b>
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Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
<b>Alternative 2 (Traditional Construction)</b>	Herbaceous
<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

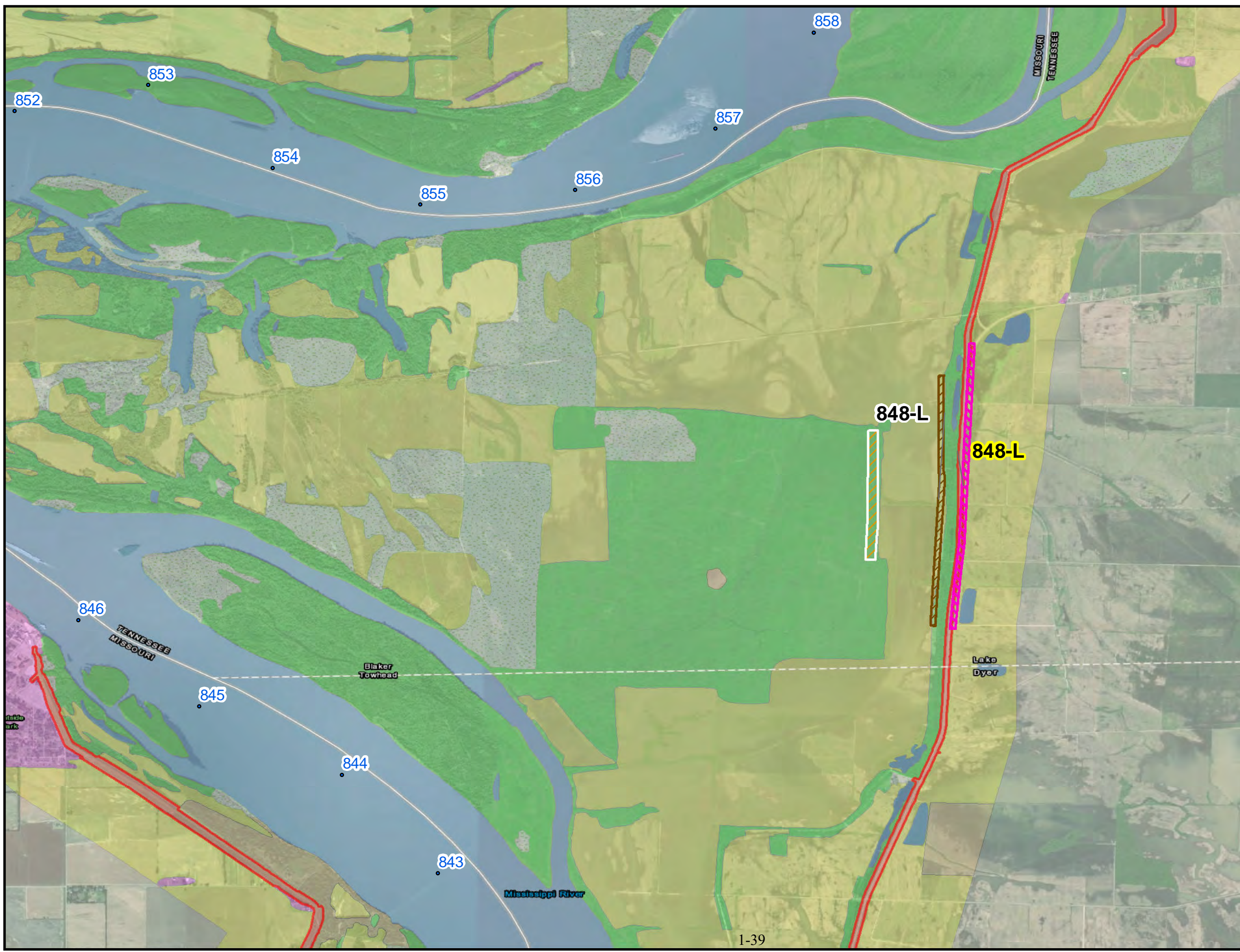
## Location Map



US Army Corps  
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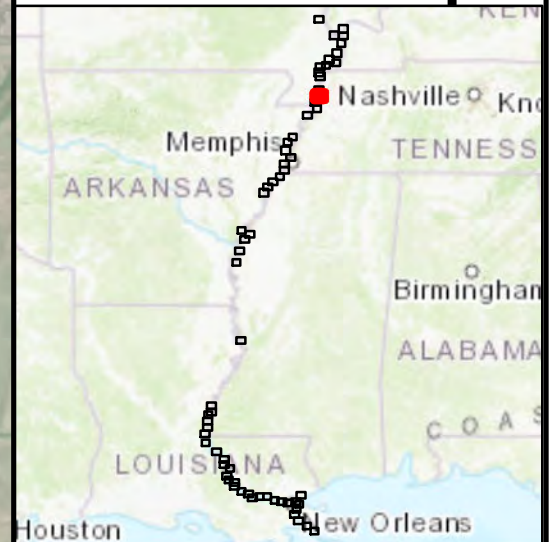
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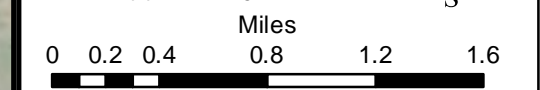
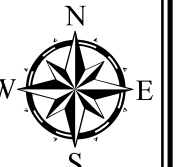
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

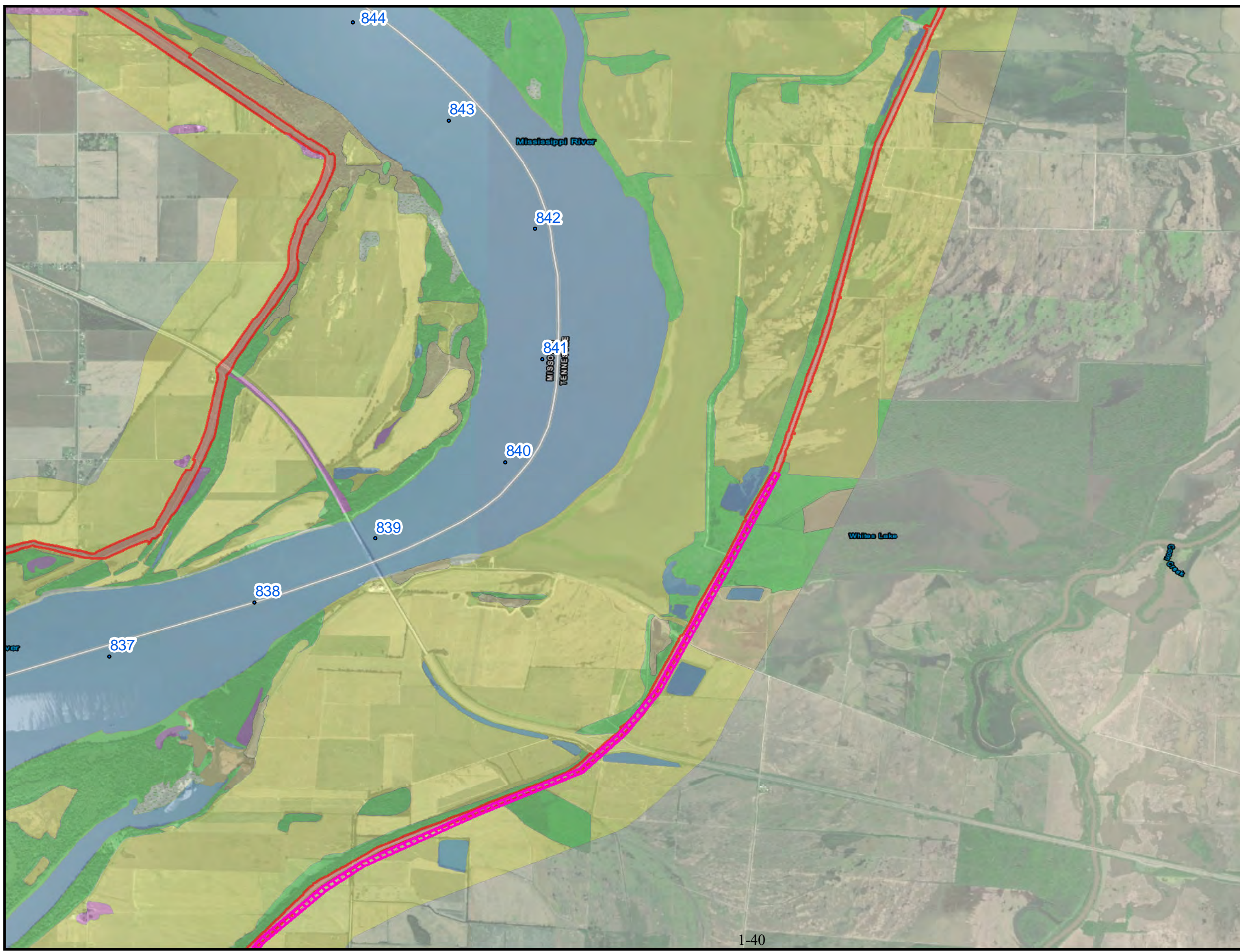
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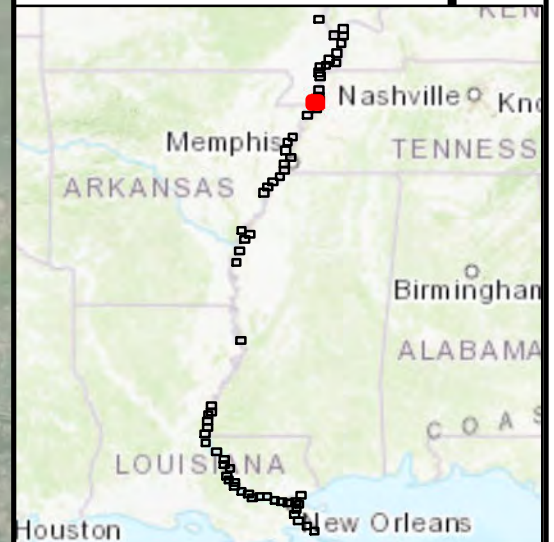
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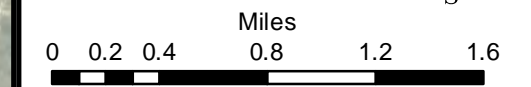
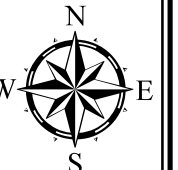
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

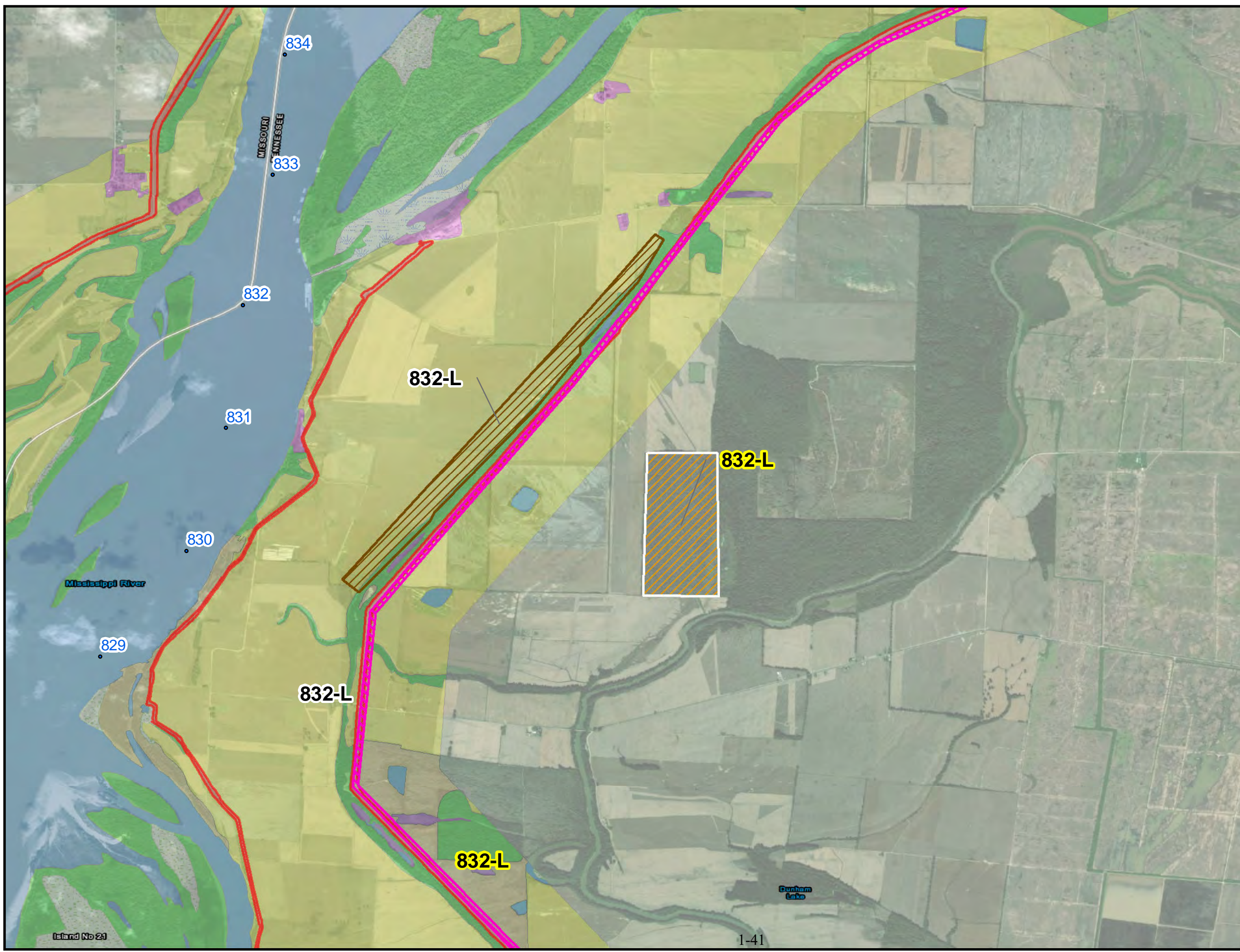
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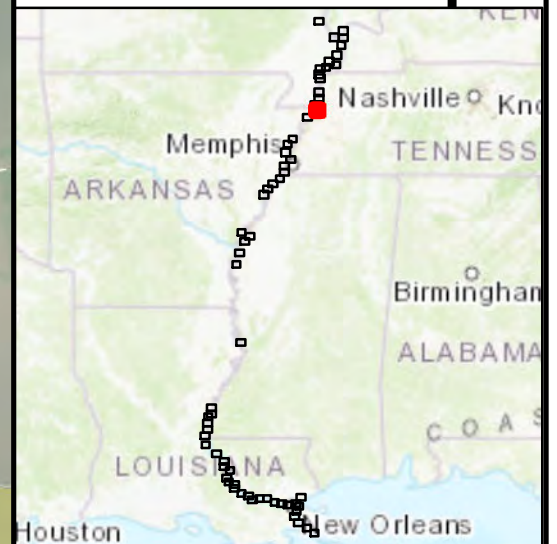
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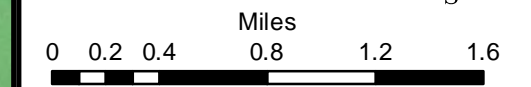
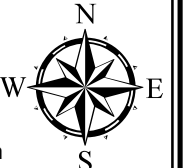
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

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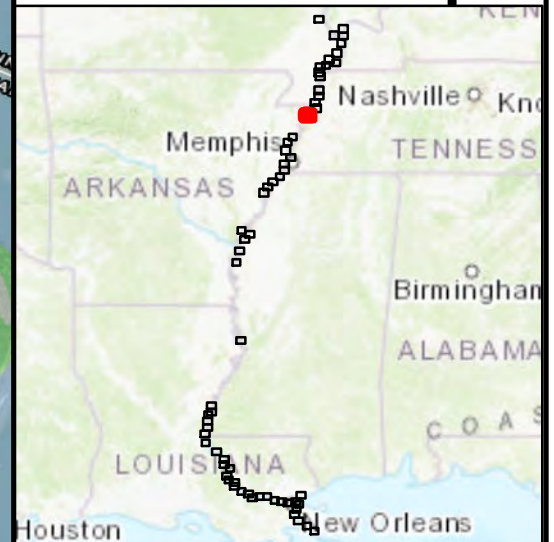
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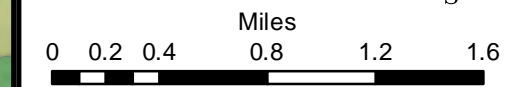
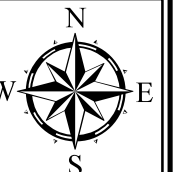
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

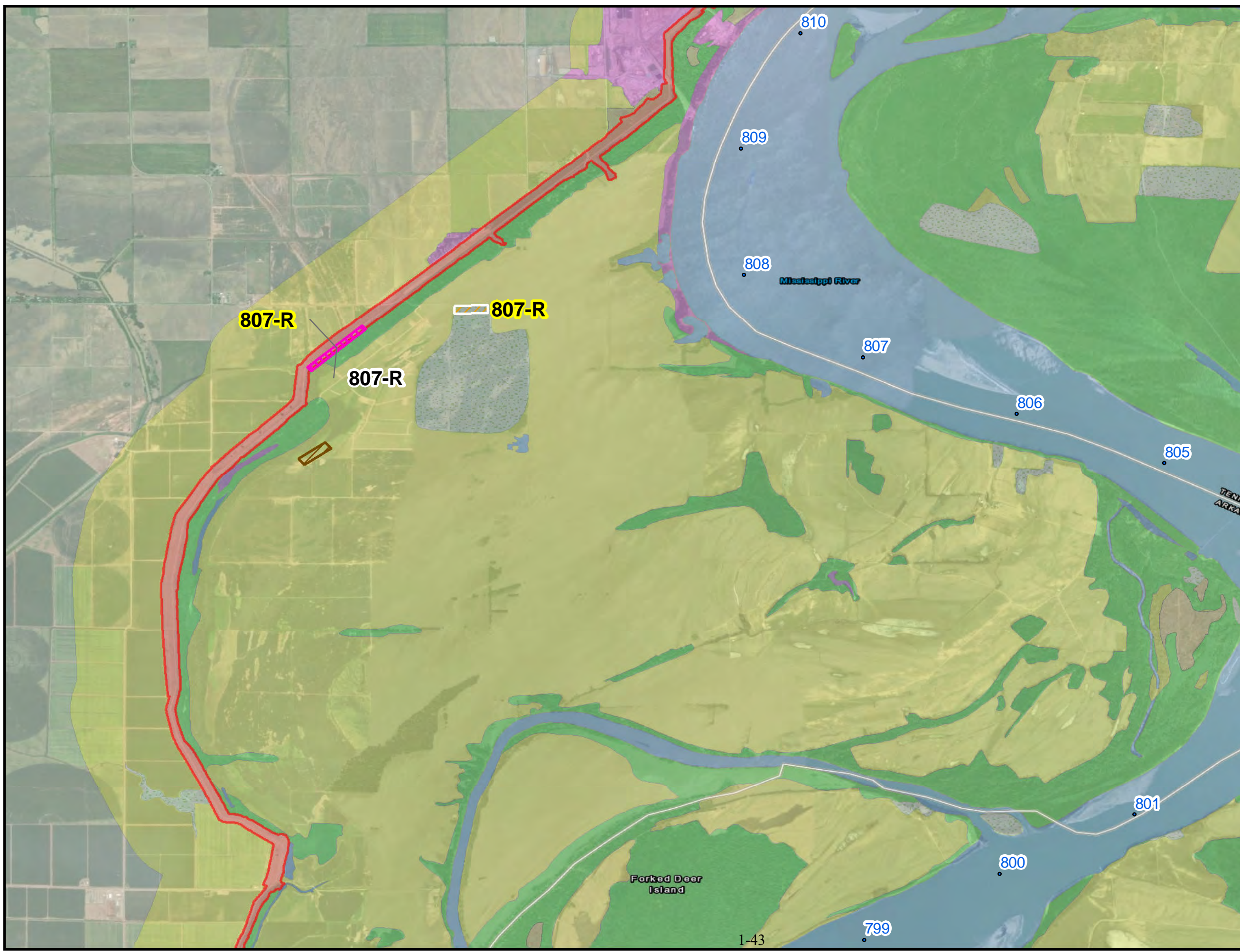
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**US Army Corps  
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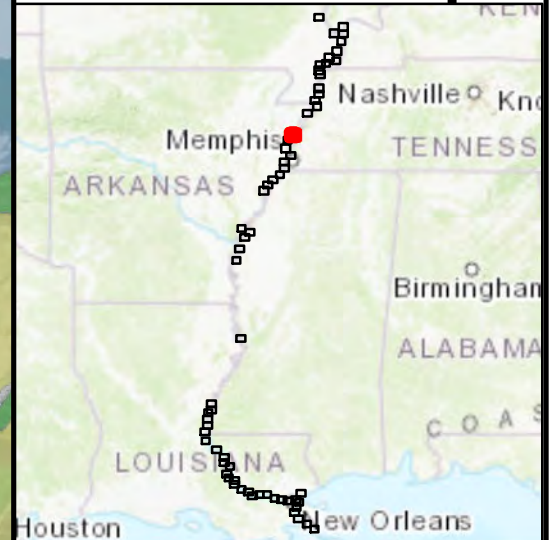
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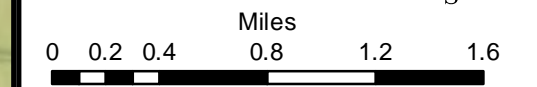
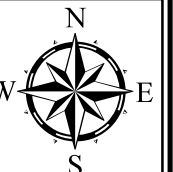
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	<b>Classification</b>
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
<b>Alternative 2 (Traditional Construction)</b>	Herbaceous
<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

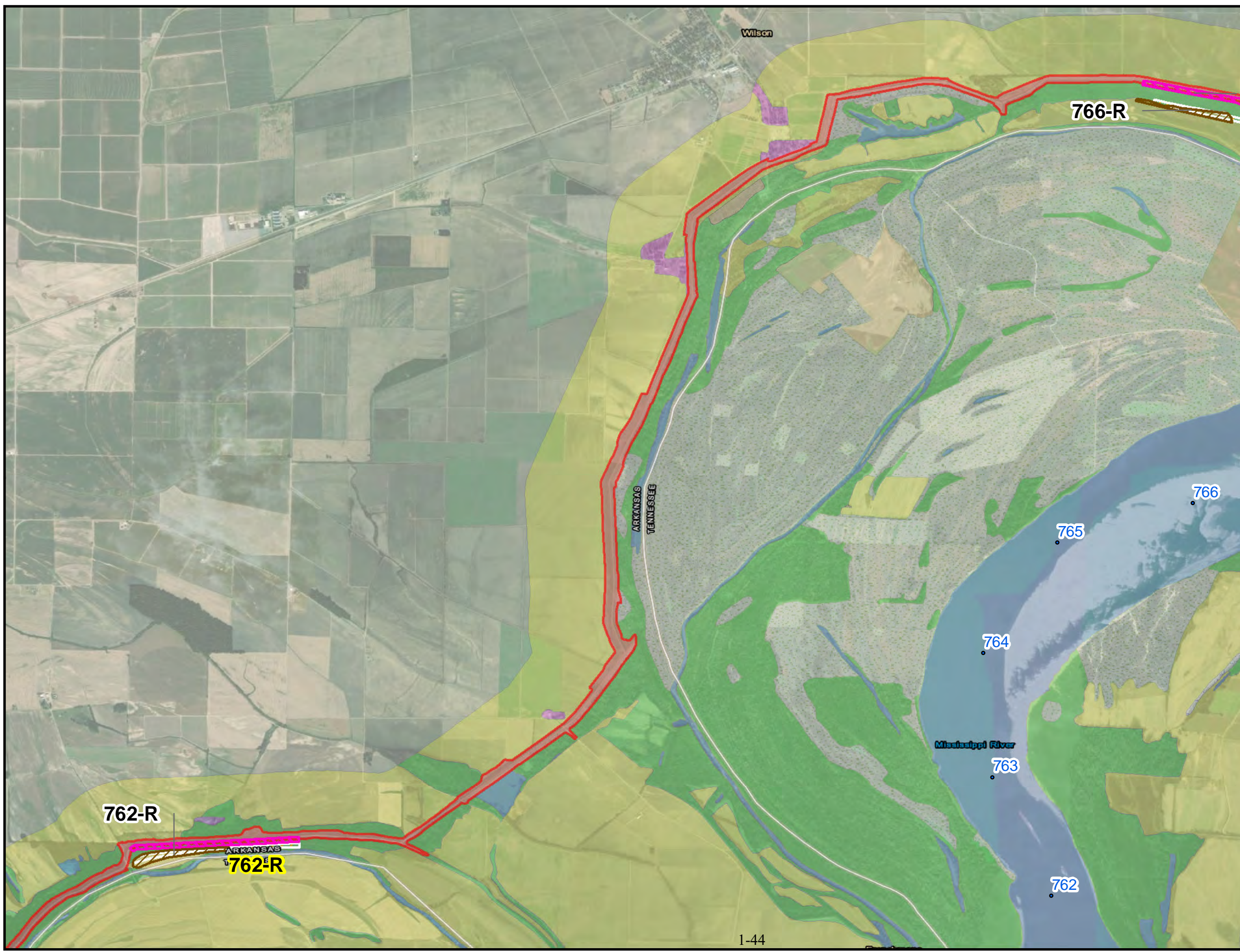
## Location Map



US Army Corps  
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Mississippi River Levees  
SEIS 2020  
Map



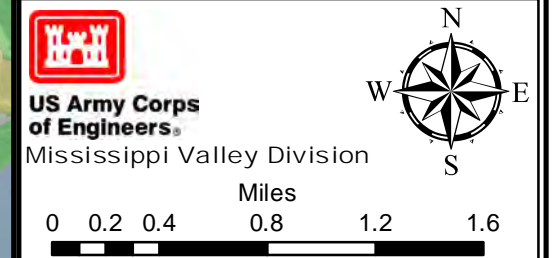
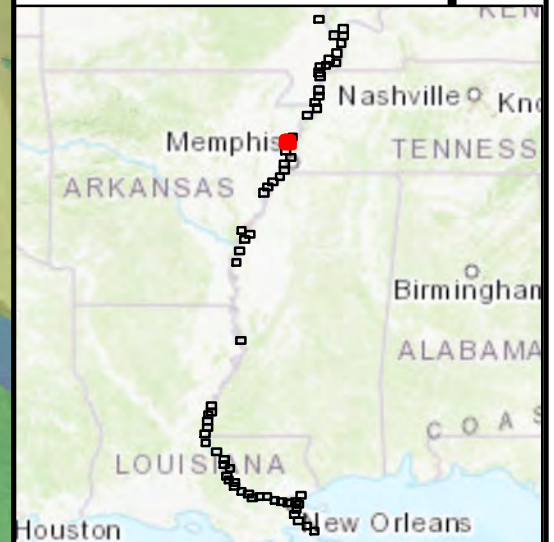
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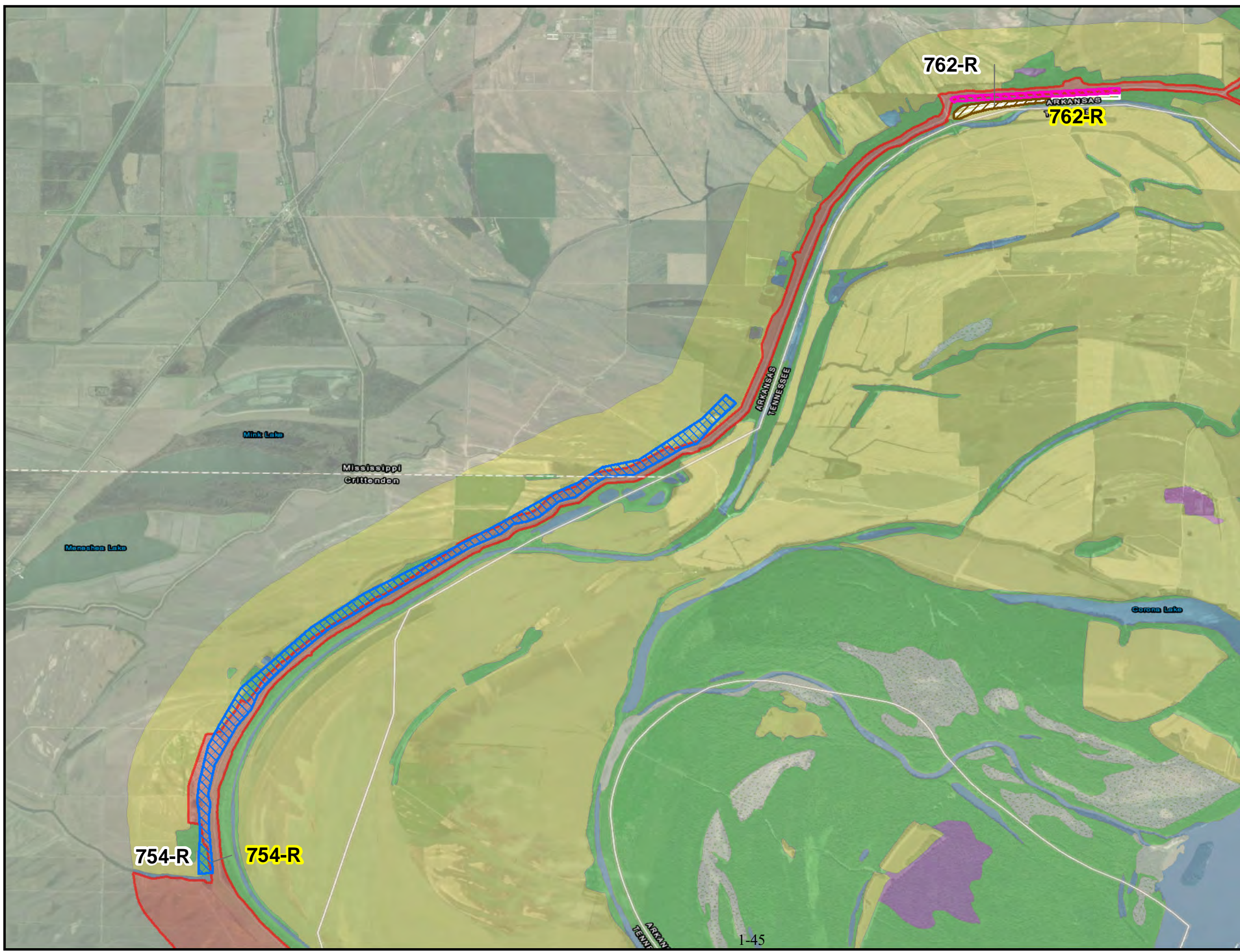
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	<b>Classification</b>
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
<b>Alternative 2 (Traditional Construction)</b>	Herbaceous
<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



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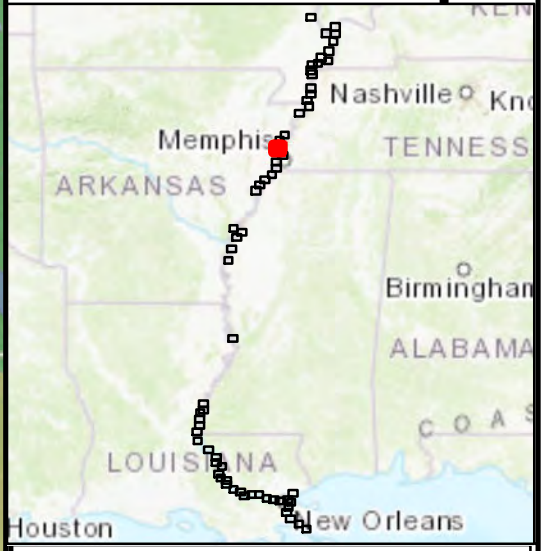
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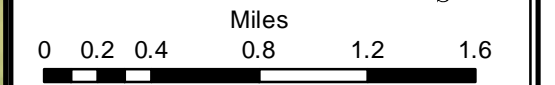
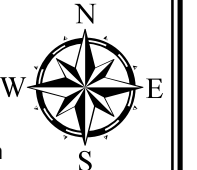
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>	
<b>Features</b>		<b>Classification</b>	
	Levee Enlargement (Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
<b>Alternative 2 (Traditional Construction)</b>			Open Water
<b>Features</b>			Pasture
	Borrow Area		Ridge-Slough Complex
	Haul Roads		Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>			Scrub/Shrub
<b>Features</b>			Tree Plantation
	Borrow Area		Urban
	Haul Roads LS		Levee

Note: Yellow label is for Alternative 2  
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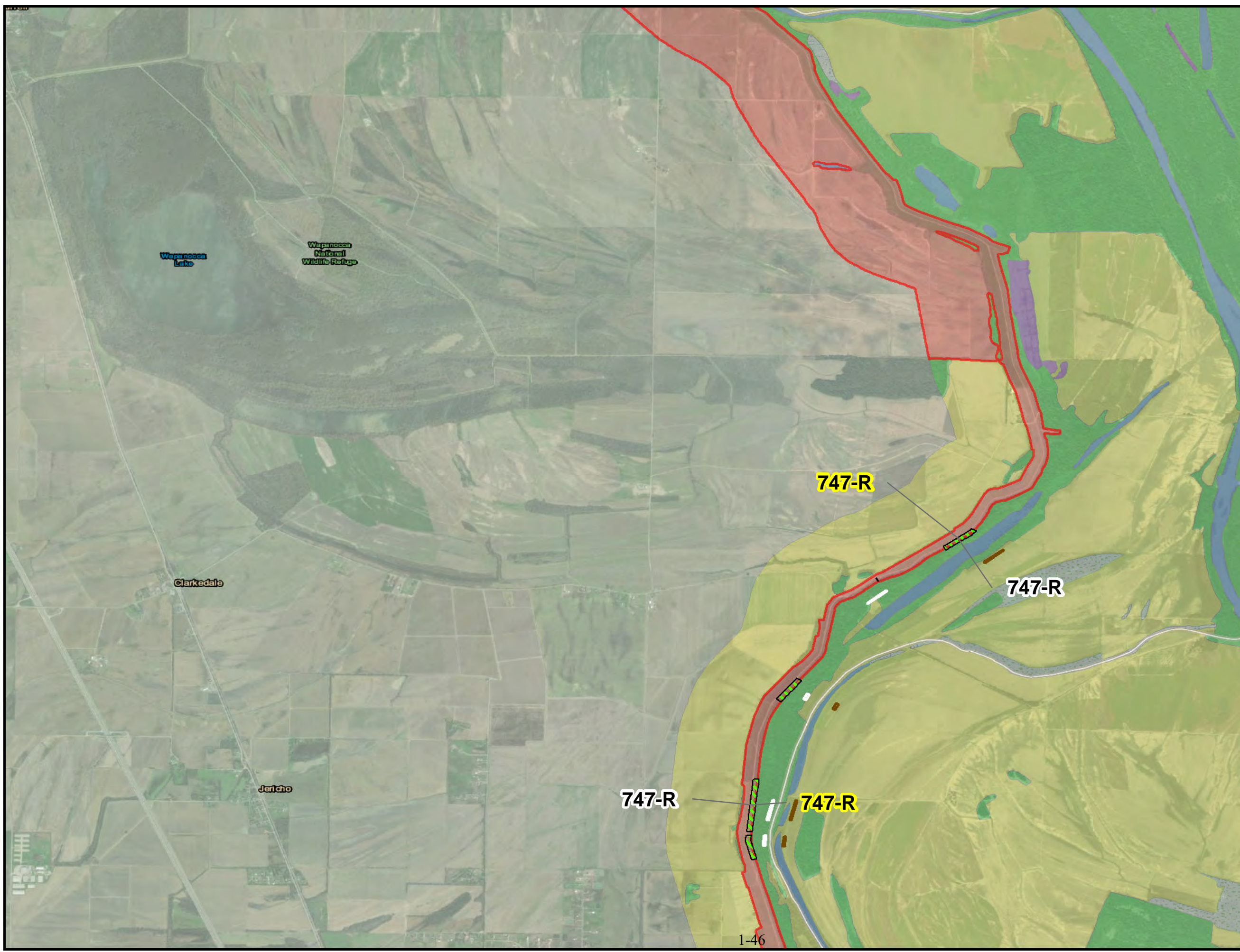
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**Mississippi River Levees**  
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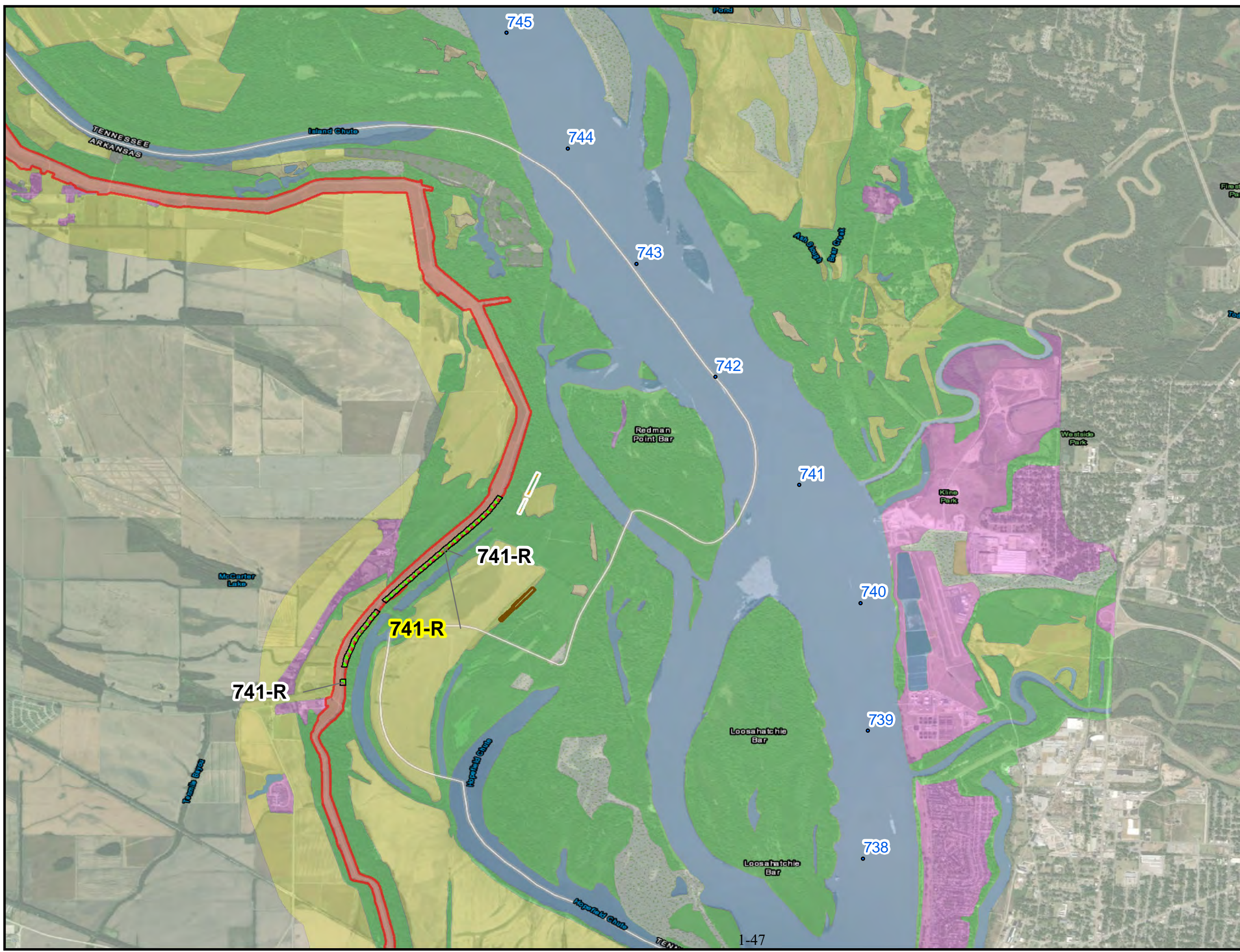
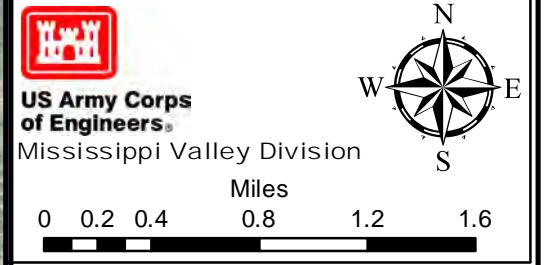
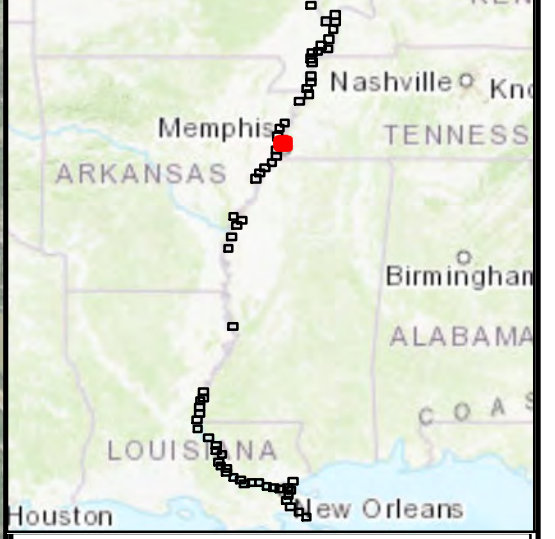
# USACE MRL SEIS 2020

## Legend

Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map





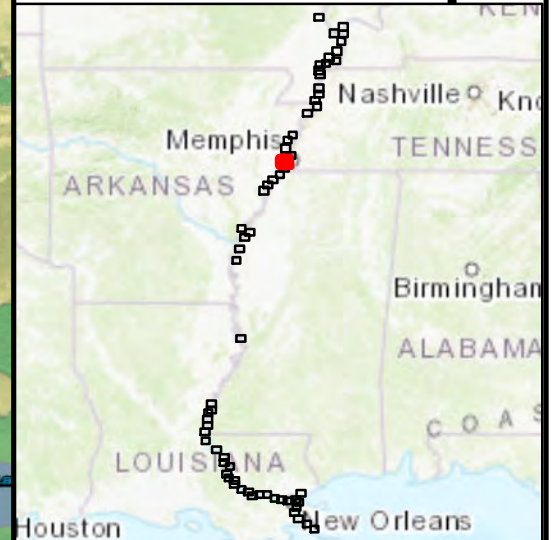
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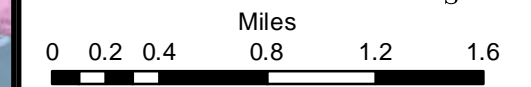
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

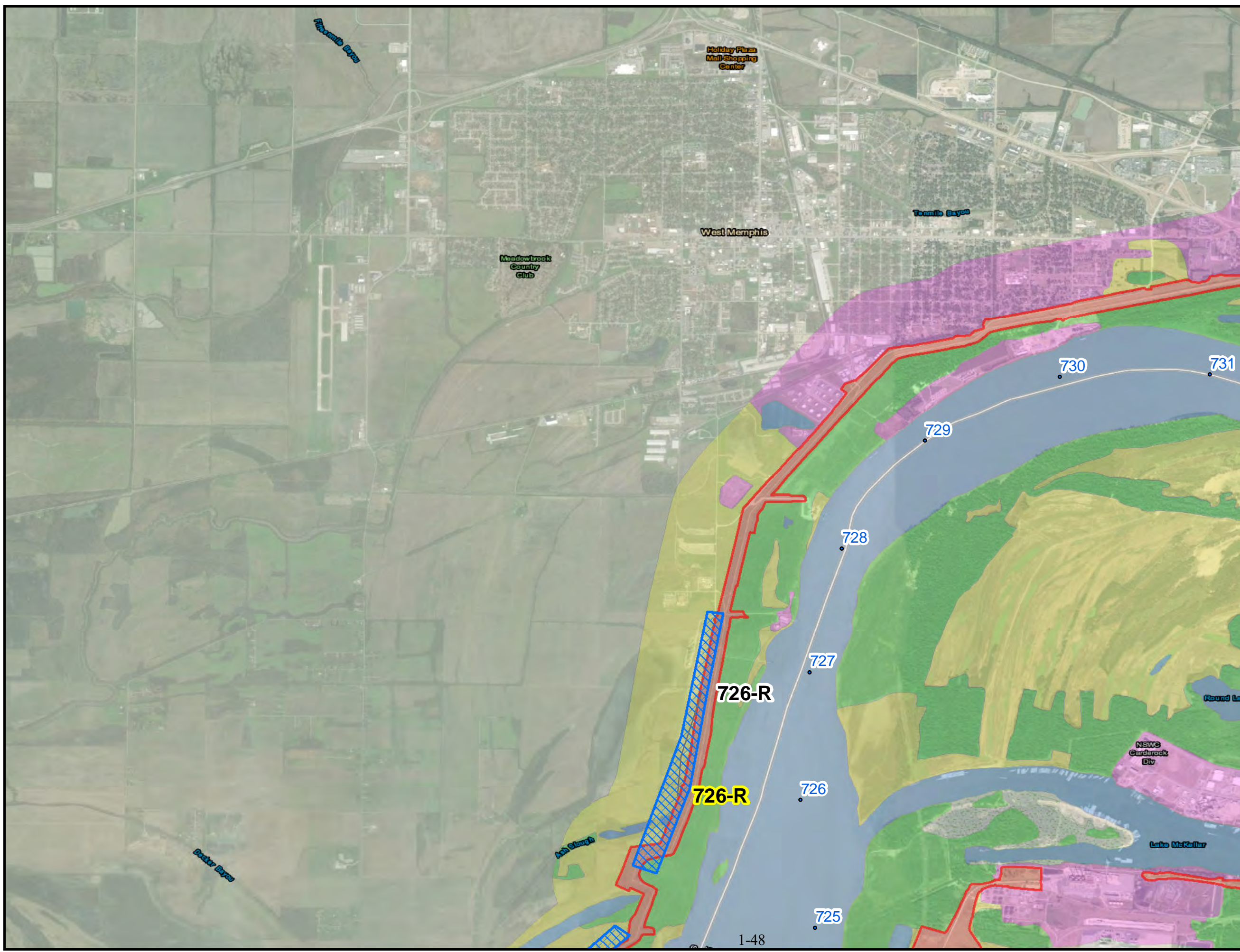
## Location Map



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**Mississippi River Levees**  
**SEIS 2020**  
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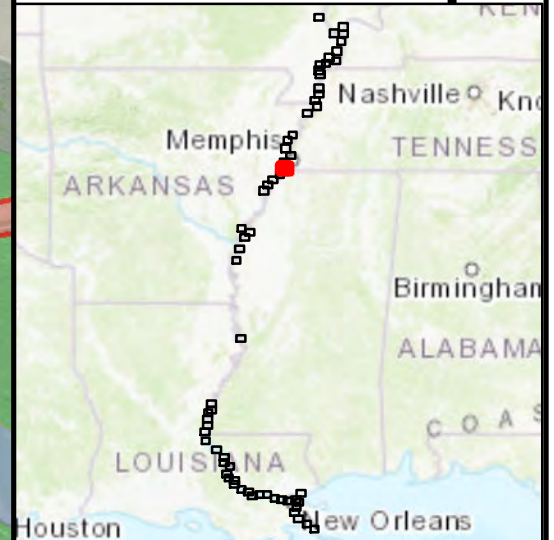
# USACE MRL SEIS 2020

## Legend

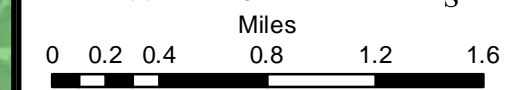
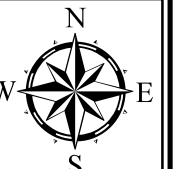
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement (Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

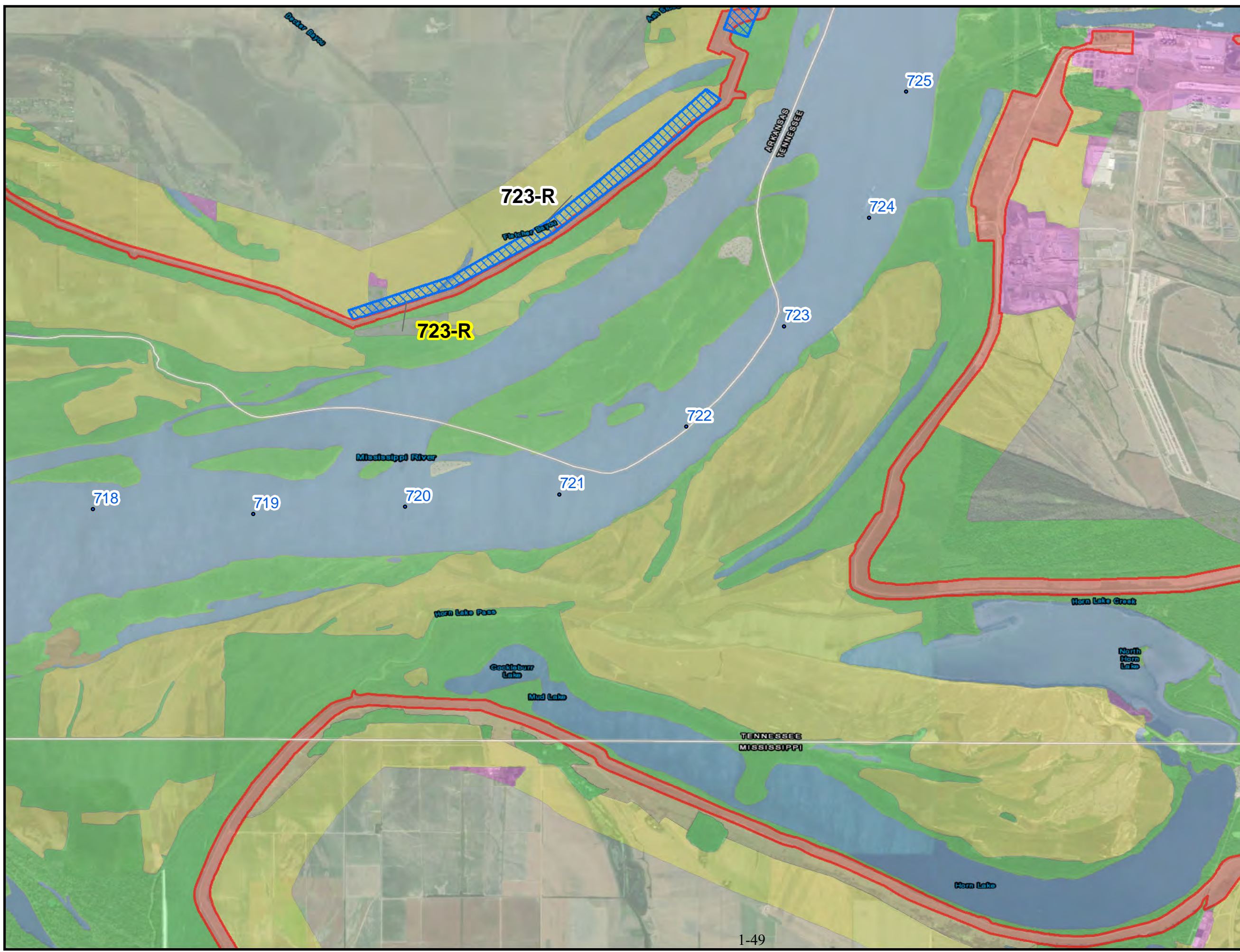
## Location Map



**US Army Corps  
of Engineers**  
Mississippi Valley Division



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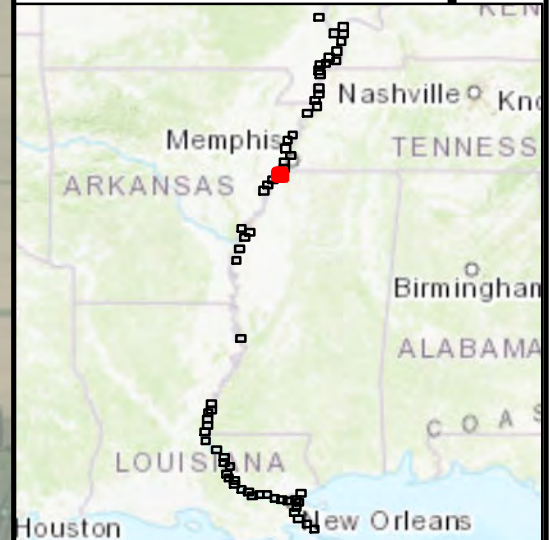
# USACE MRL SEIS 2020

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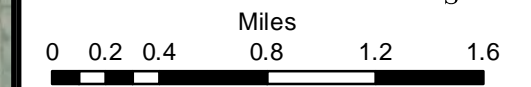
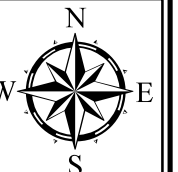
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>	
<b>Features</b>		<b>Classification</b>	
	Levee Enlargement (Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
<b>Alternative 2 (Traditional Construction)</b>			Open Water
<b>Features</b>			Pasture
	Borrow Area		Ridge-Slough Complex
	Haul Roads		Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>			Scrub/Shrub
<b>Features</b>			Tree Plantation
	Borrow Area		Urban
	Haul Roads LS		Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

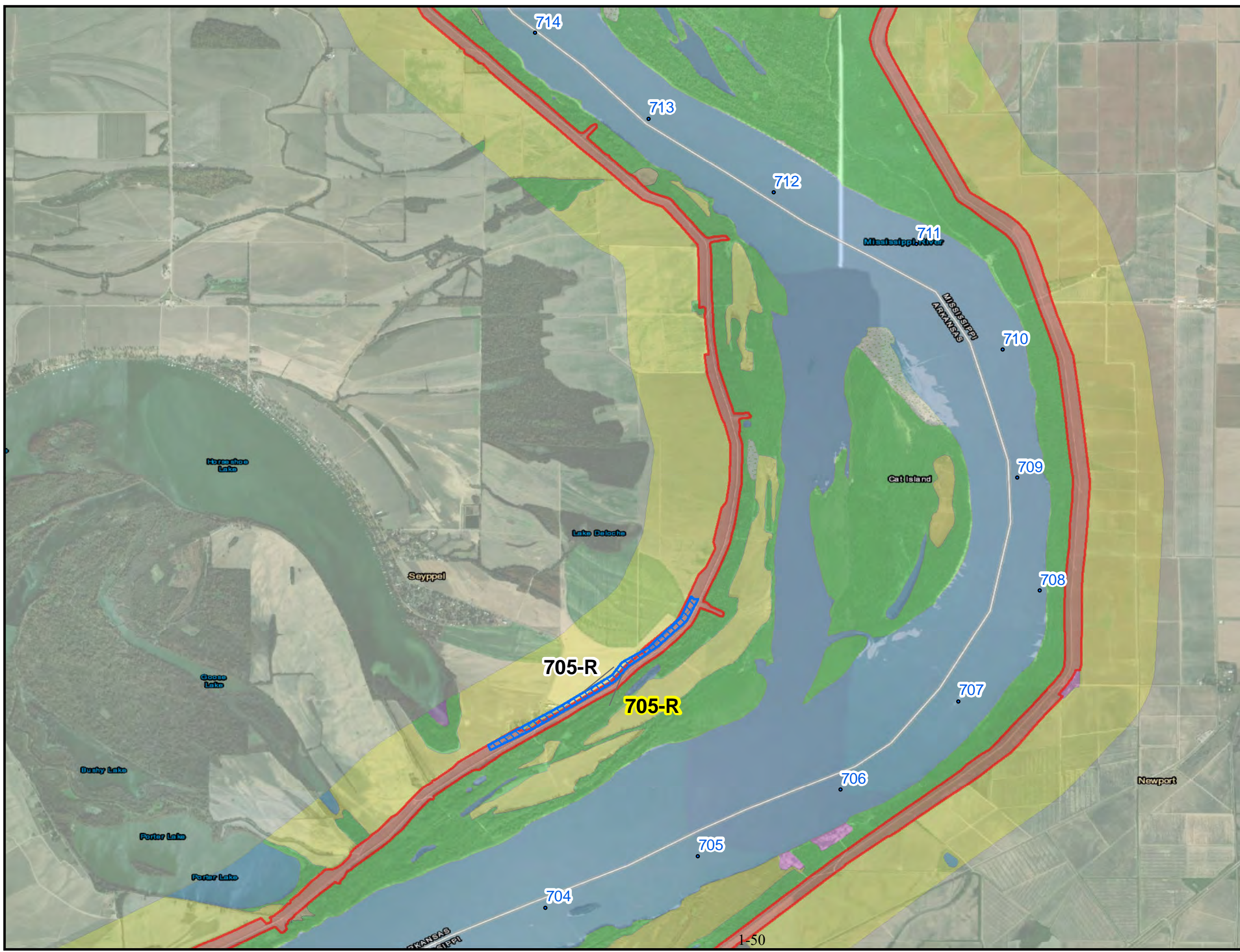
## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map



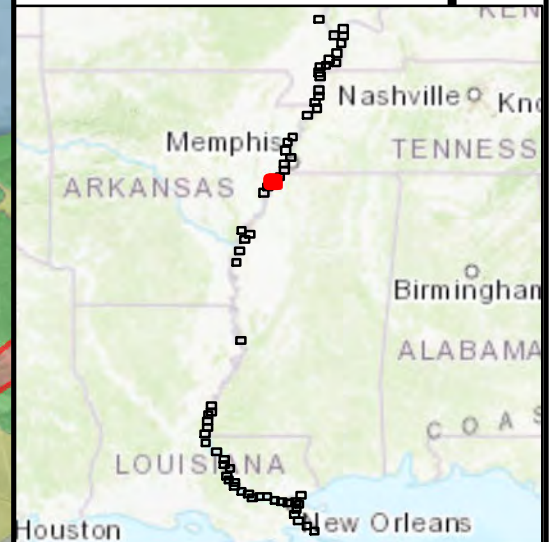
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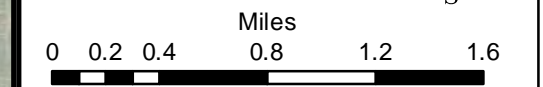
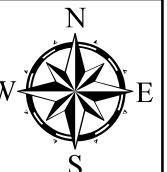
Work Items (Alternatives 2 and 3)		Land Cover 2017	
<b>Features</b>		<b>Classification</b>	
Levee Enlargement(Raise)		Bottom Land Hardwood	
Seepage Berm		Bare soil	
Slope Flattening		Cropland	
Floodwall Replacement		Levee	
Relief Well		Marsh	
Drainage Ditch		Herbaceous	
		Open Water	
<b>Alternative 2 (Traditional Construction)</b>		Pasture	
<b>Features</b>		Ridge-Slough Complex	
Borrow Area		Sandbar	
Haul Roads		Scrub/Shrub	
<b>Alternative 3 (Avoid and Minimize)</b>		Tree Plantation	
<b>Features</b>		Urban	
Borrow Area		Levee	
Haul Roads LS			

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

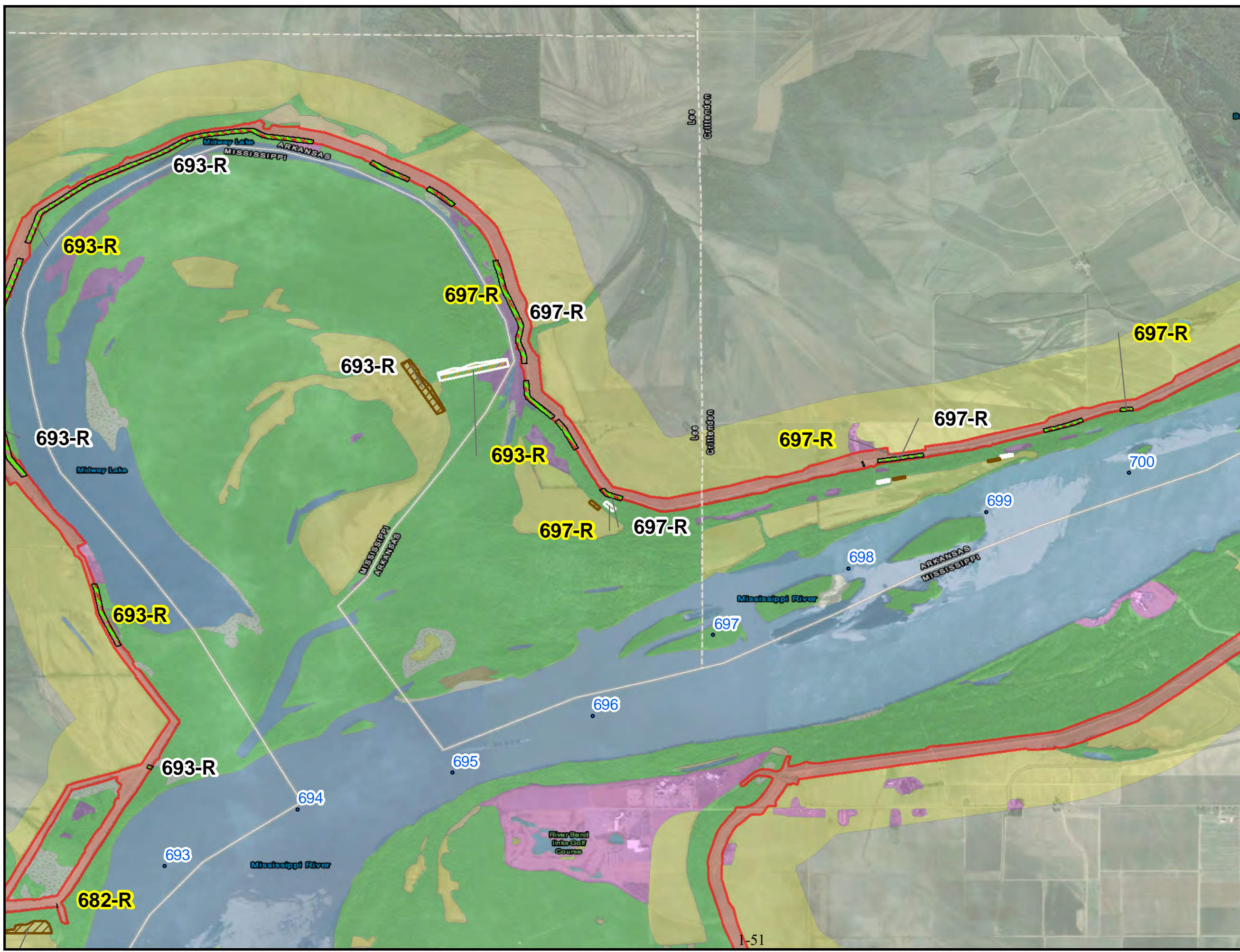
## Location Map



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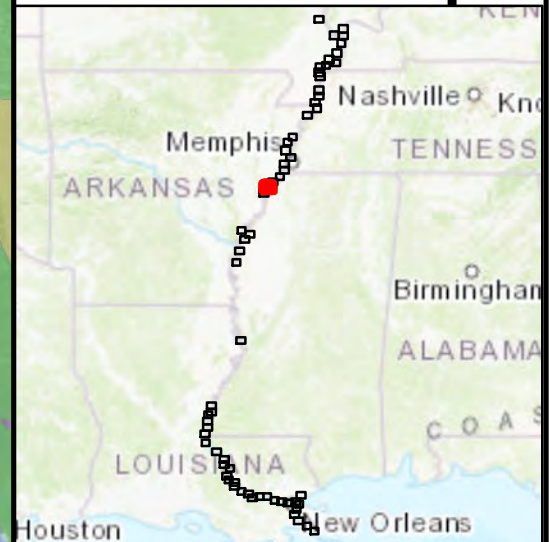
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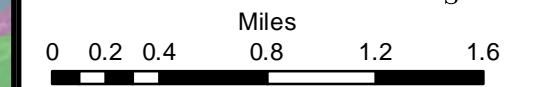
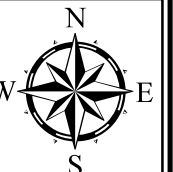
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

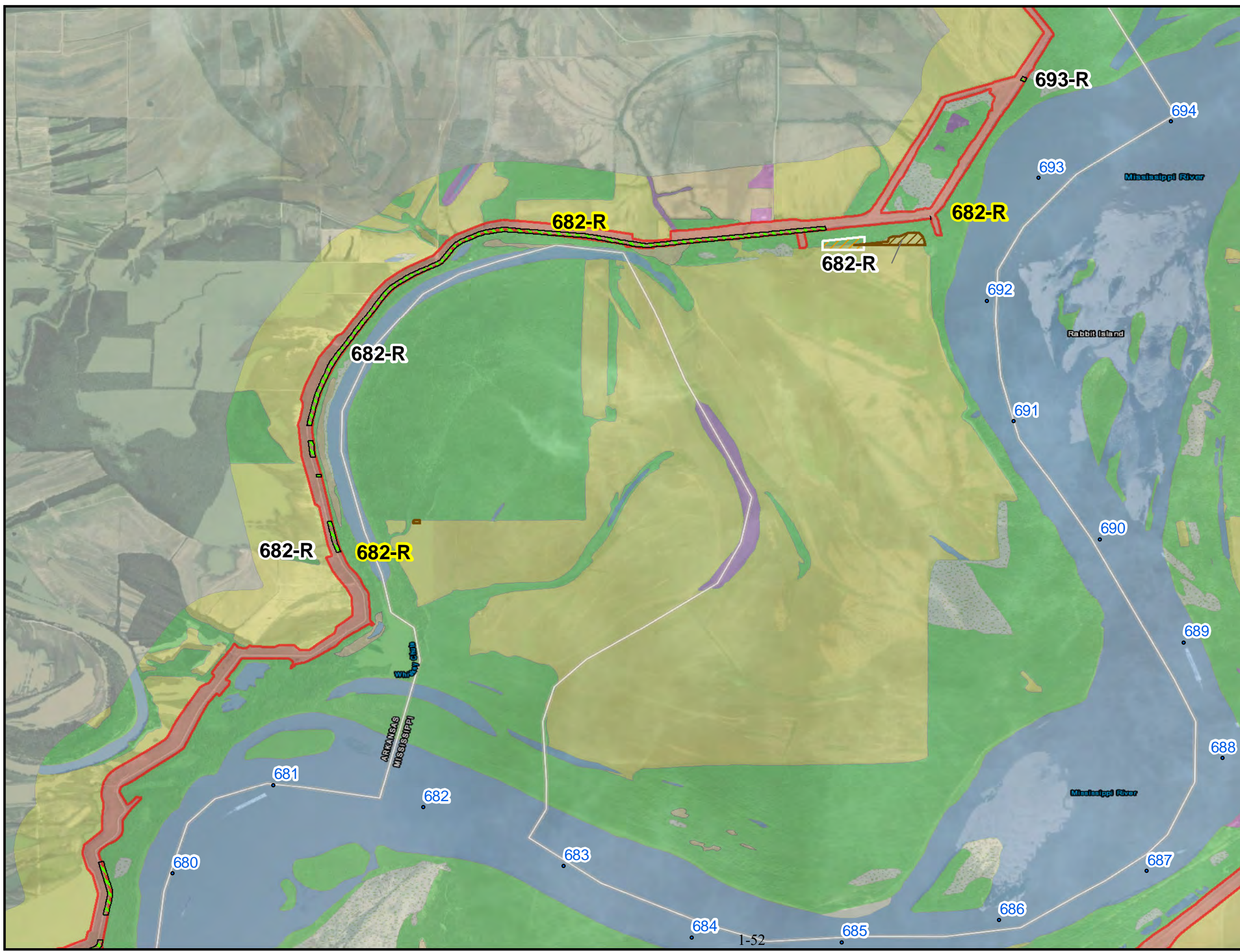
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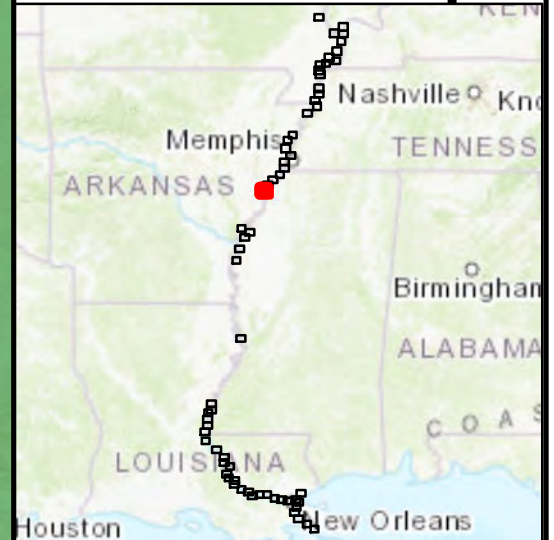
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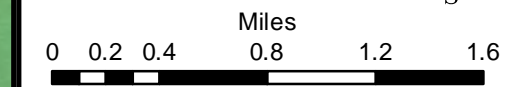
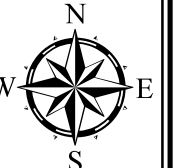
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

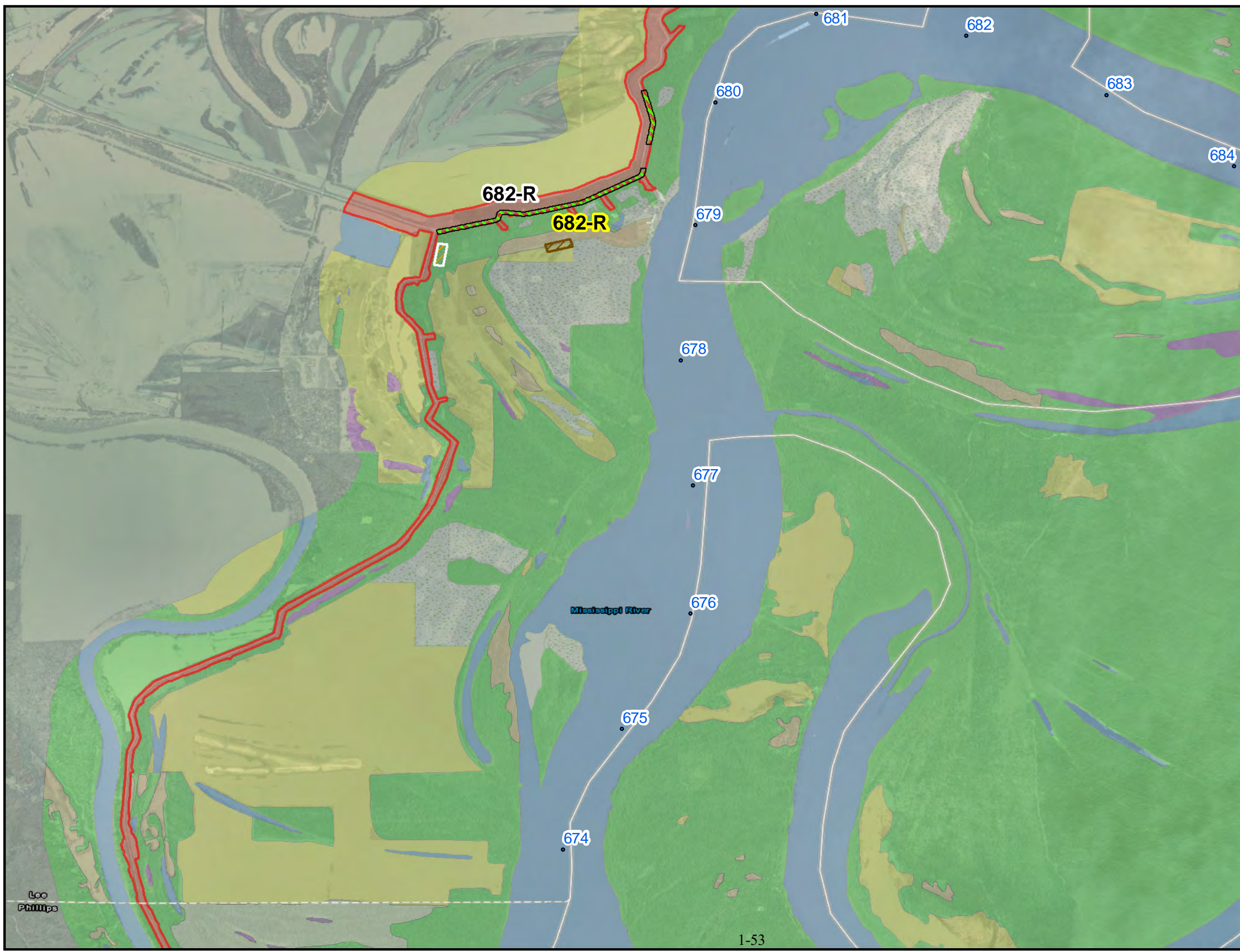
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Lee  
Phillips

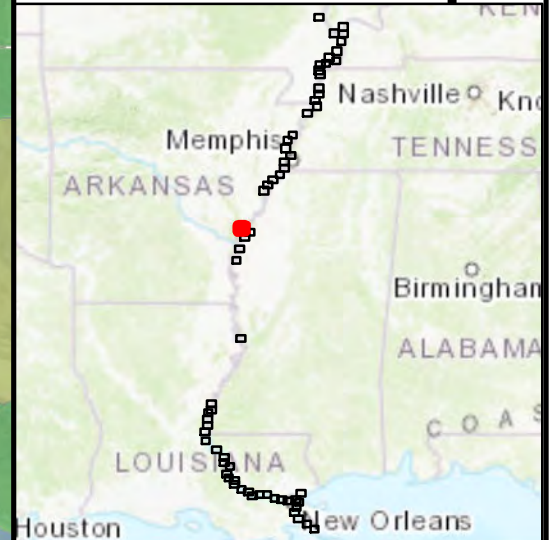
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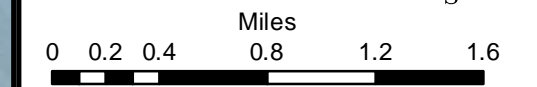
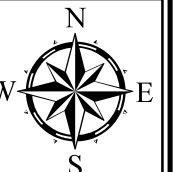
<b>Work Items (Alternatives 2 and 3)</b>	<b>Land Cover 2017</b>
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
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<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map

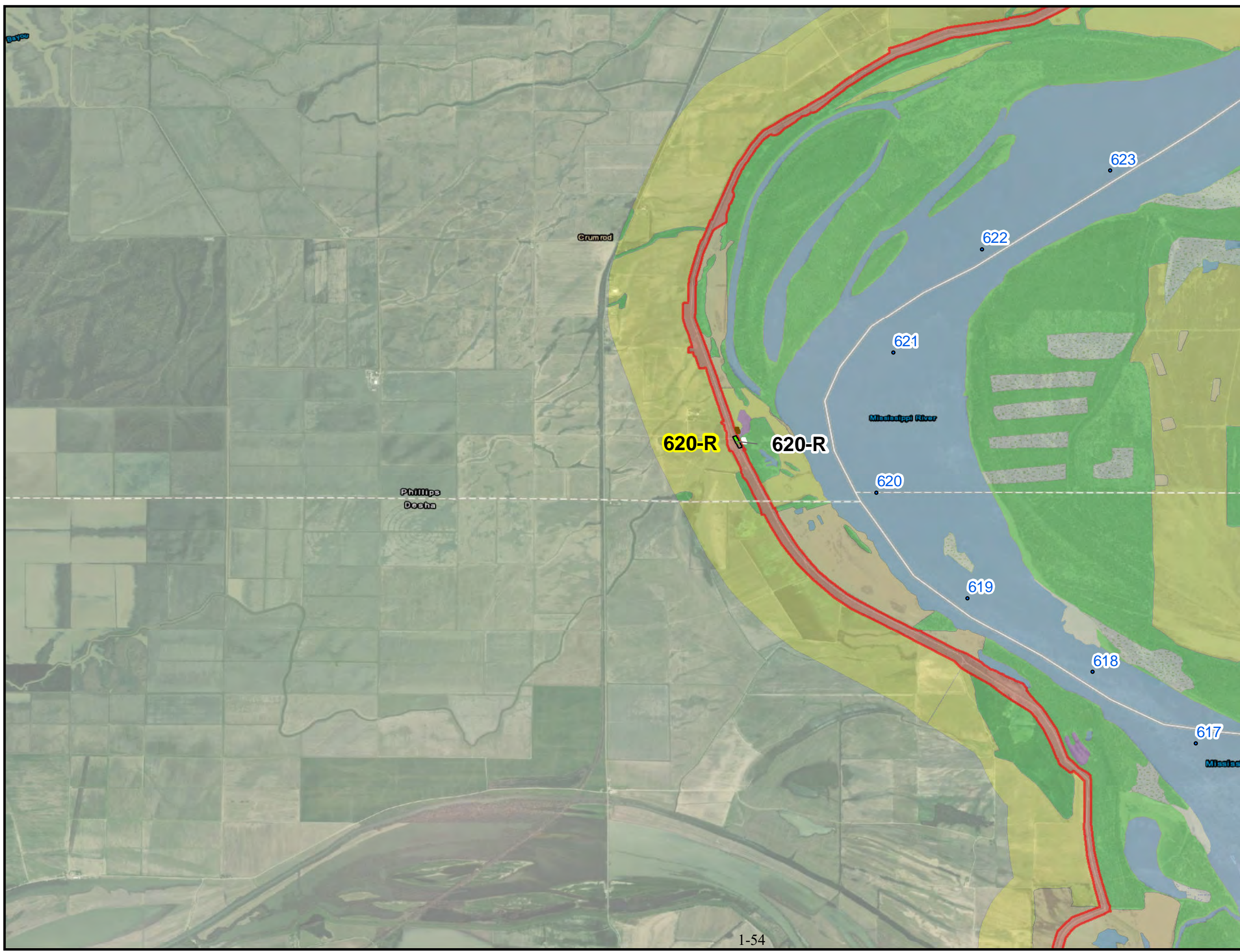


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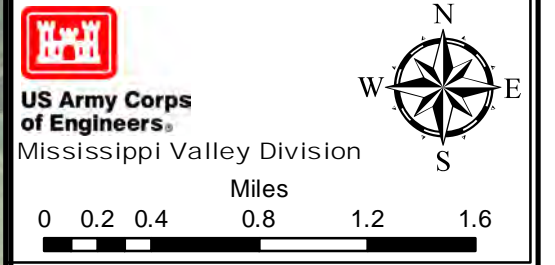
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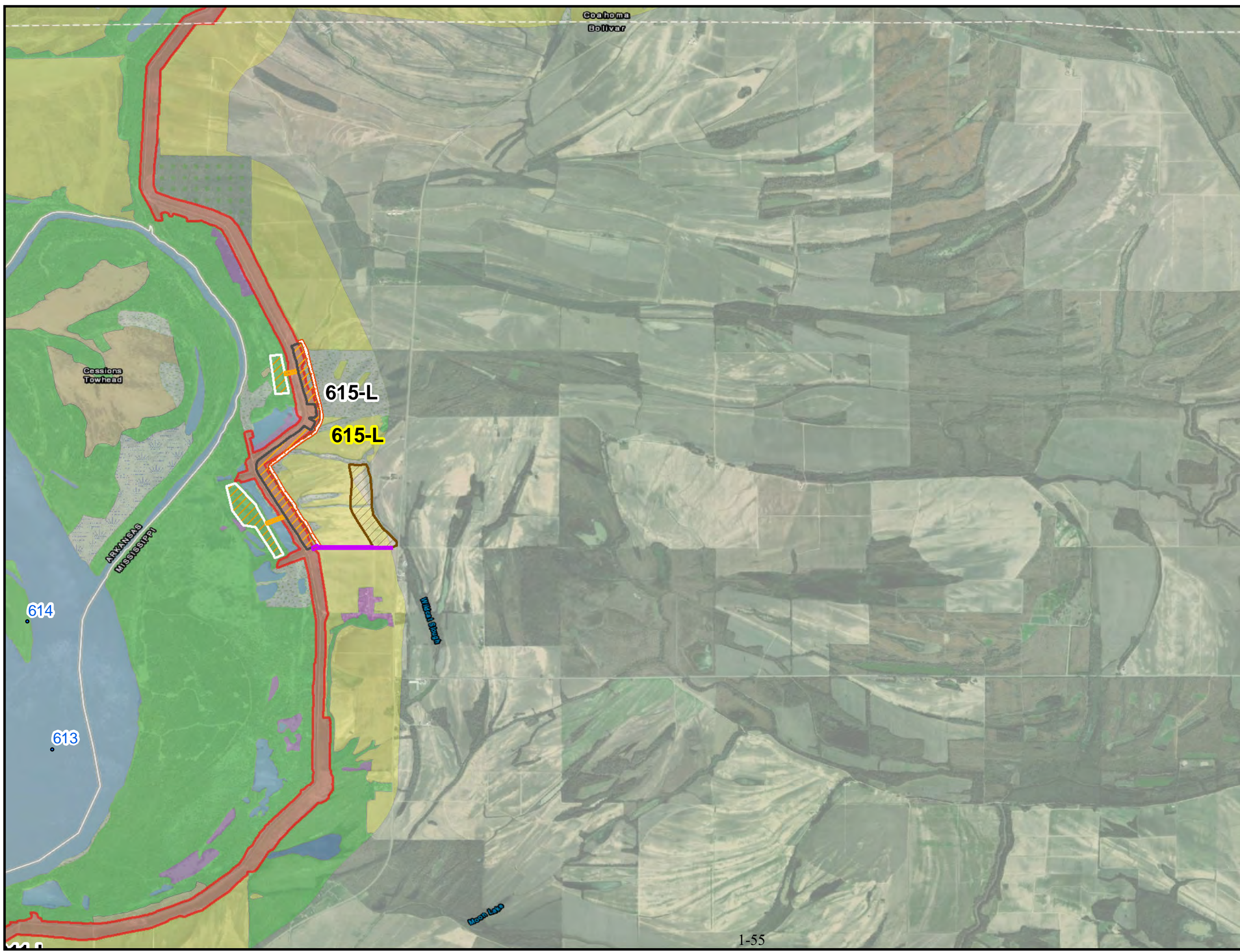
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement (Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
		Pasture
		Ridge-Slough Complex
		Sandbar
		Scrub/Shrub
		Tree Plantation
		Urban
		Levee
<b>Alternative 2 (Traditional Construction)</b>		
<b>Features</b>		
Borrow Area		
Haul Roads		
<b>Alternative 3 (Avoid and Minimize)</b>		
<b>Features</b>		
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
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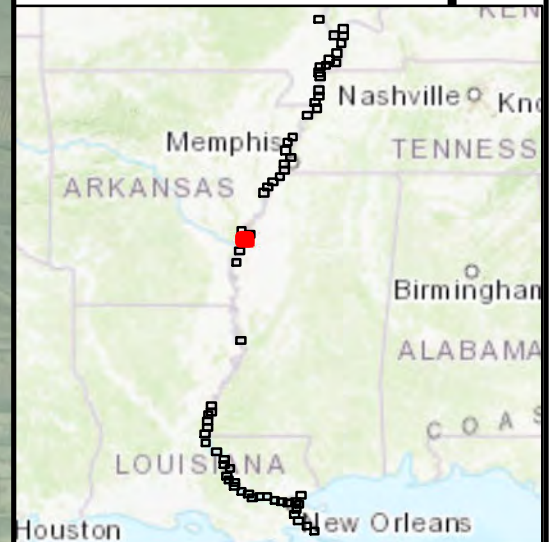
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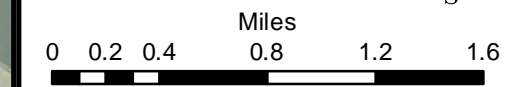
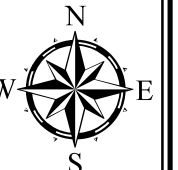
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
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Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
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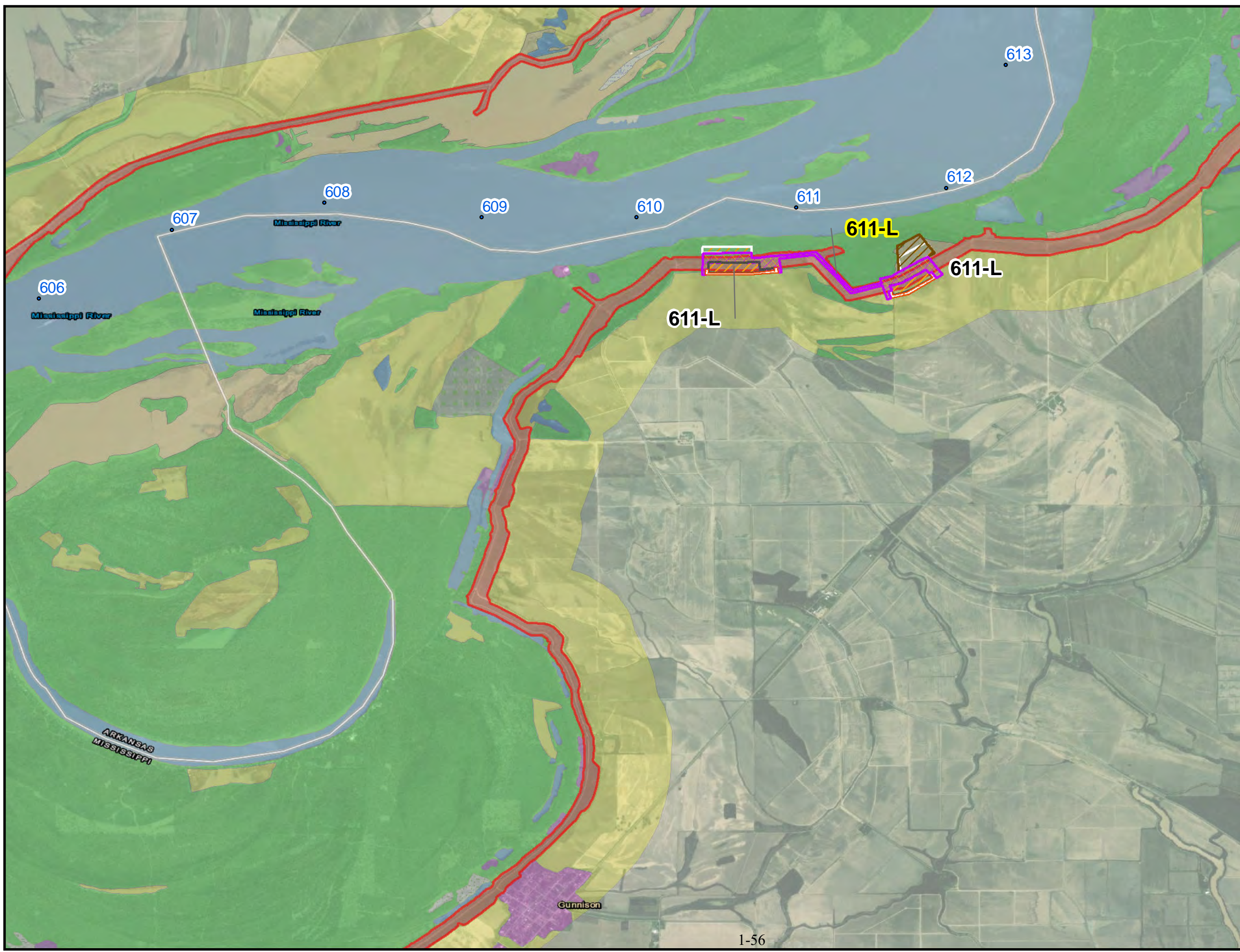
## Location Map



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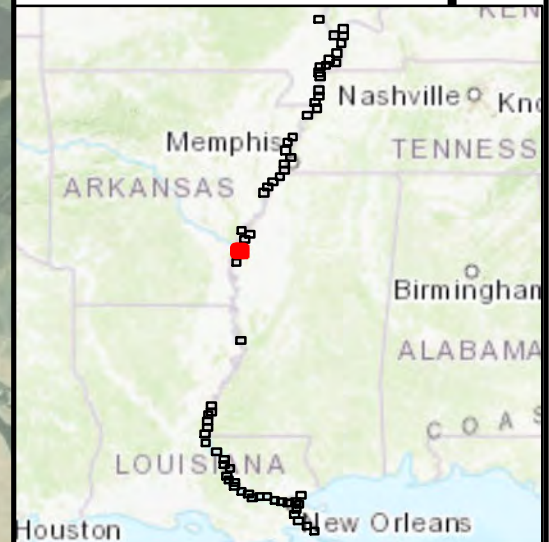
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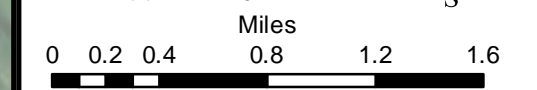
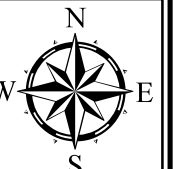
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
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<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
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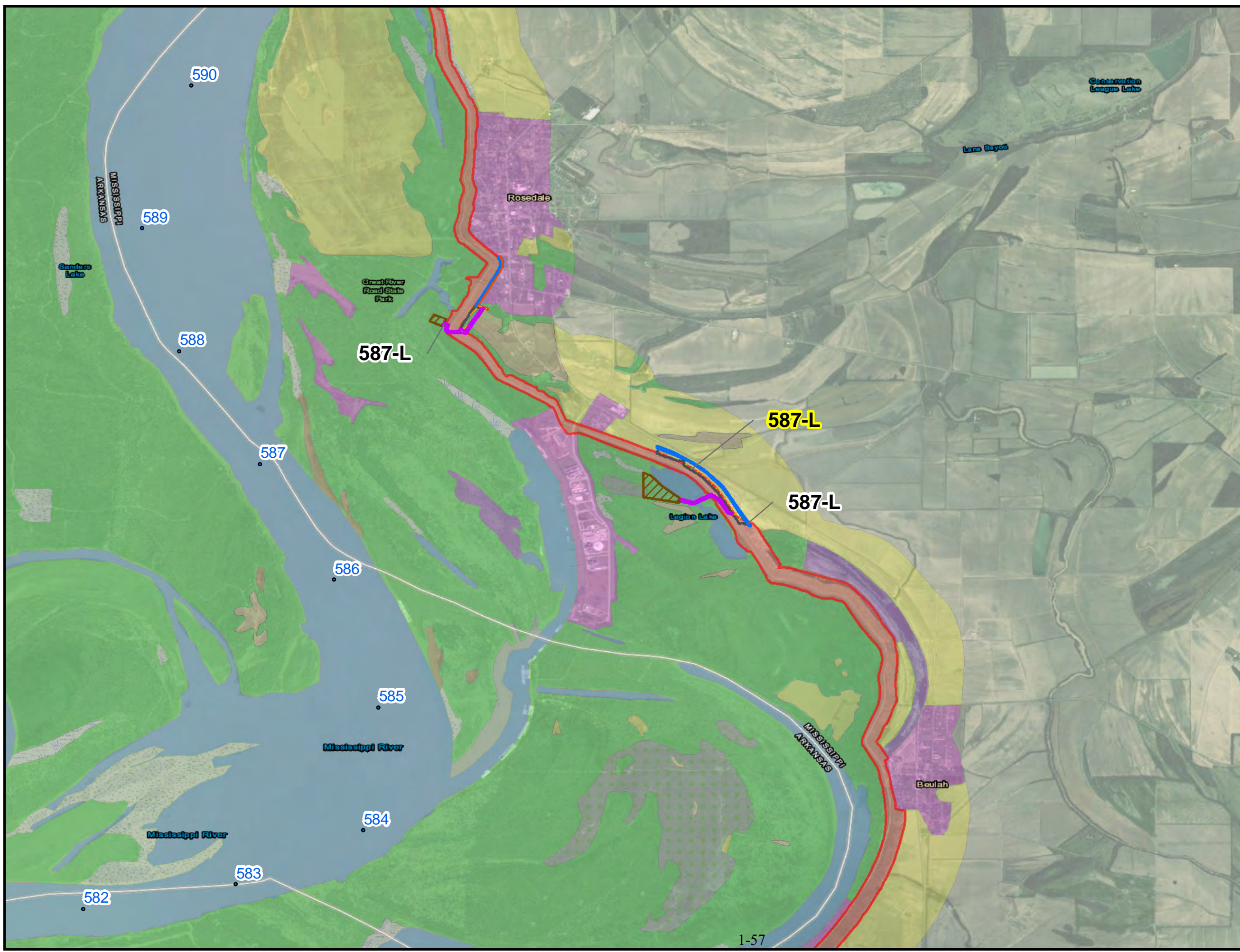
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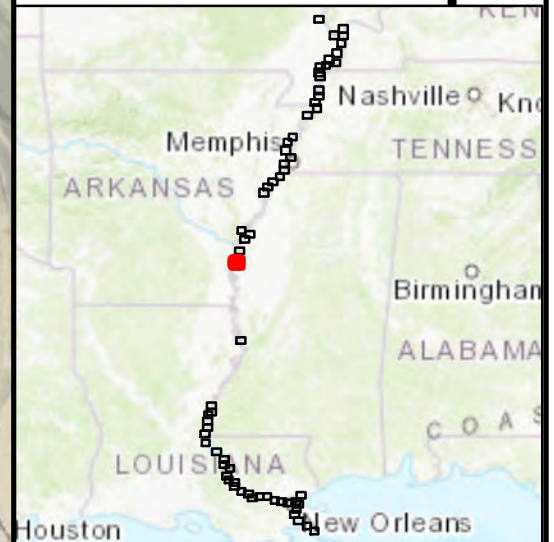
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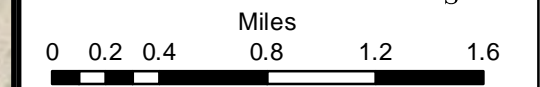
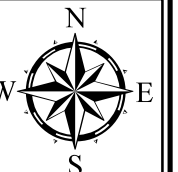
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>	
<b>Features</b>		<b>Classification</b>	
	Levee Enlargement (Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
<b>Alternative 2 (Traditional Construction)</b>			Open Water
<b>Features</b>			Pasture
	Borrow Area		Ridge-Slough Complex
	Haul Roads		Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>			Scrub/Shrub
<b>Features</b>			Tree Plantation
	Borrow Area		Urban
	Haul Roads LS		Levee

Note: Yellow label is for Alternative 2  
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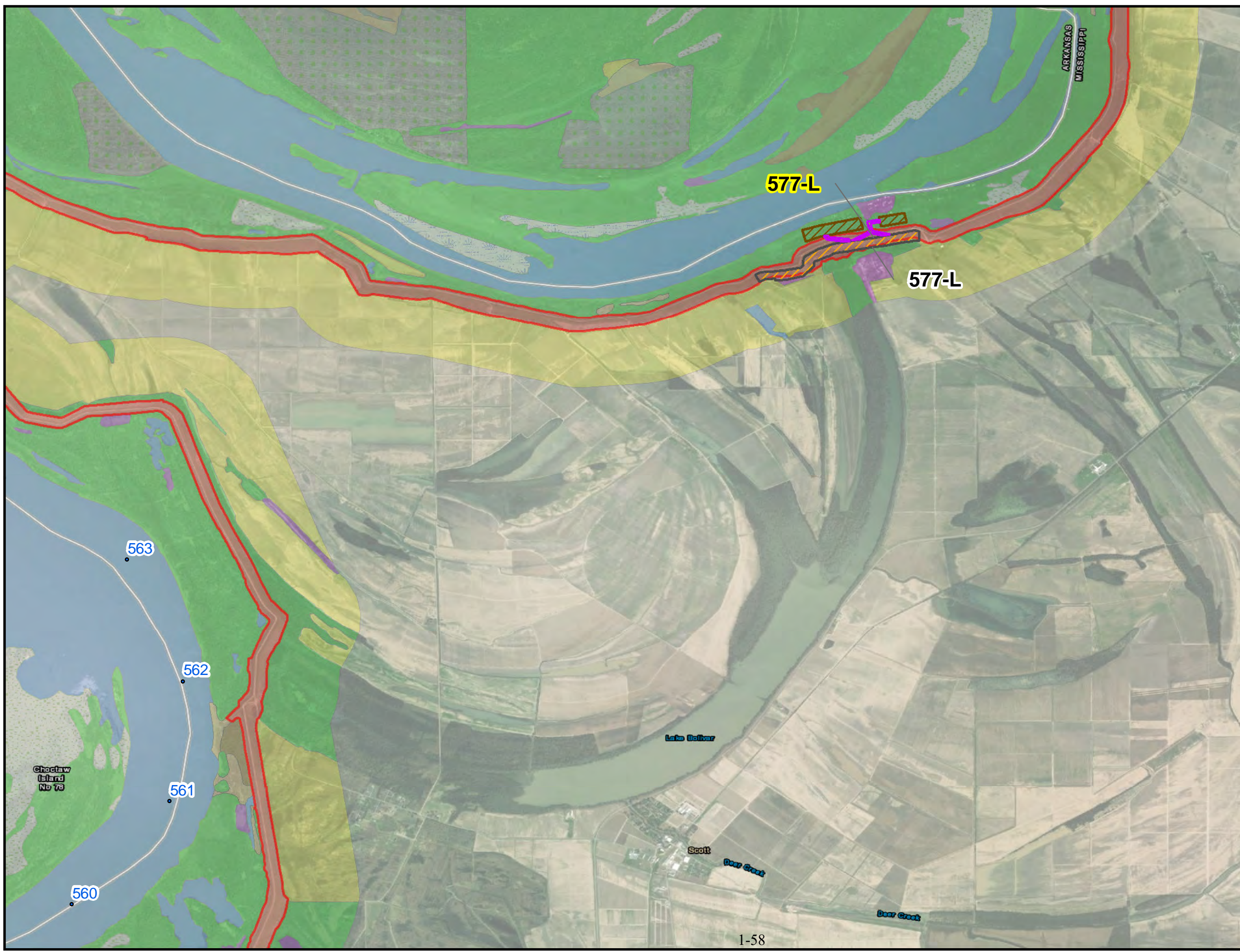
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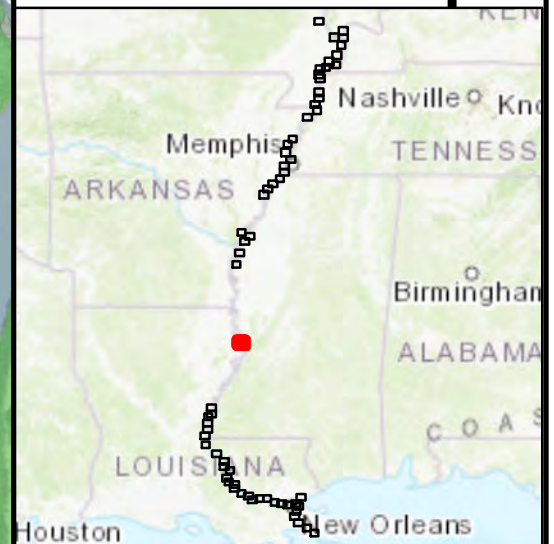
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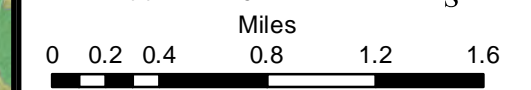
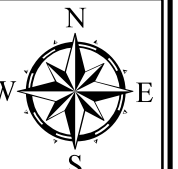
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement (Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
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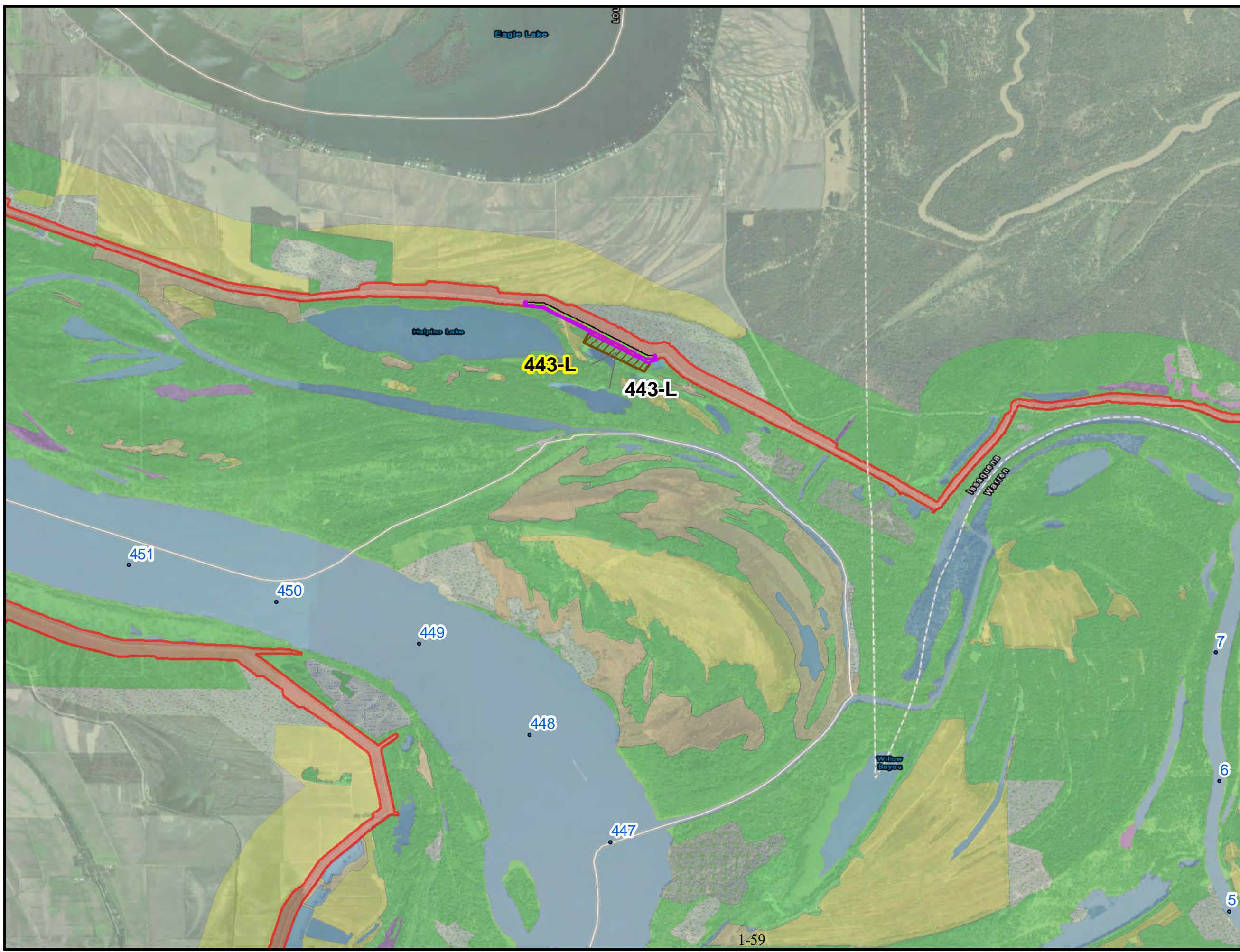
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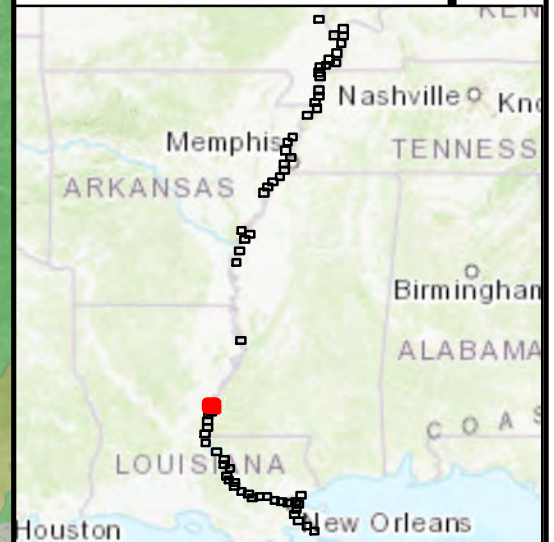
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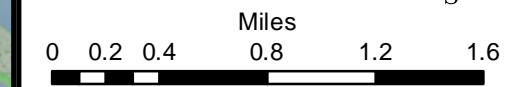
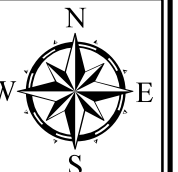
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
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## Location Map



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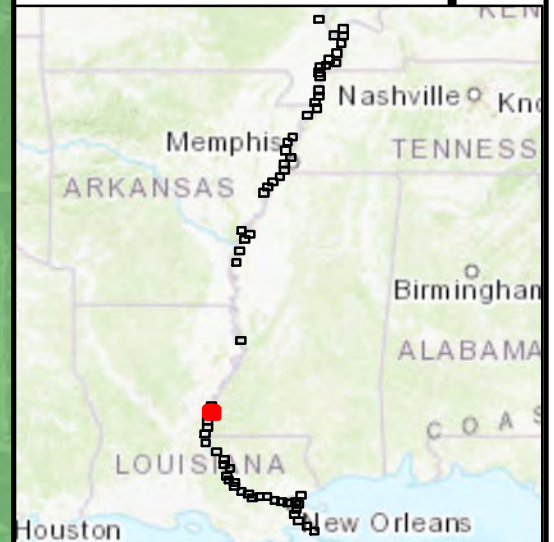
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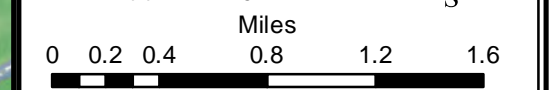
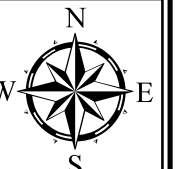
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
<ul style="list-style-type: none"> <li> Levee Enlargement(Raise)</li> <li> Seepage Berm</li> <li> Slope Flattening</li> <li> Floodwall Replacement</li> <li> Relief Well</li> <li> Drainage Ditch</li> </ul>	<ul style="list-style-type: none"> <li> Bottom Land Hardwood</li> <li> Bare soil</li> <li> Cropland</li> <li> Levee</li> <li> Marsh</li> <li> Herbaceous</li> <li> Open Water</li> <li> Pasture</li> <li> Ridge-Slough Complex</li> <li> Sandbar</li> <li> Scrub/Shrub</li> <li> Tree Plantation</li> <li> Urban</li> <li> Levee</li> </ul>
<b>Alternative 2 (Traditional Construction)</b>	
<ul style="list-style-type: none"> <li> Borrow Area</li> <li> Haul Roads</li> </ul>	
<b>Alternative 3 (Avoid and Minimize)</b>	
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Note: Yellow label is for Alternative 2  
White label is for Alternative 3

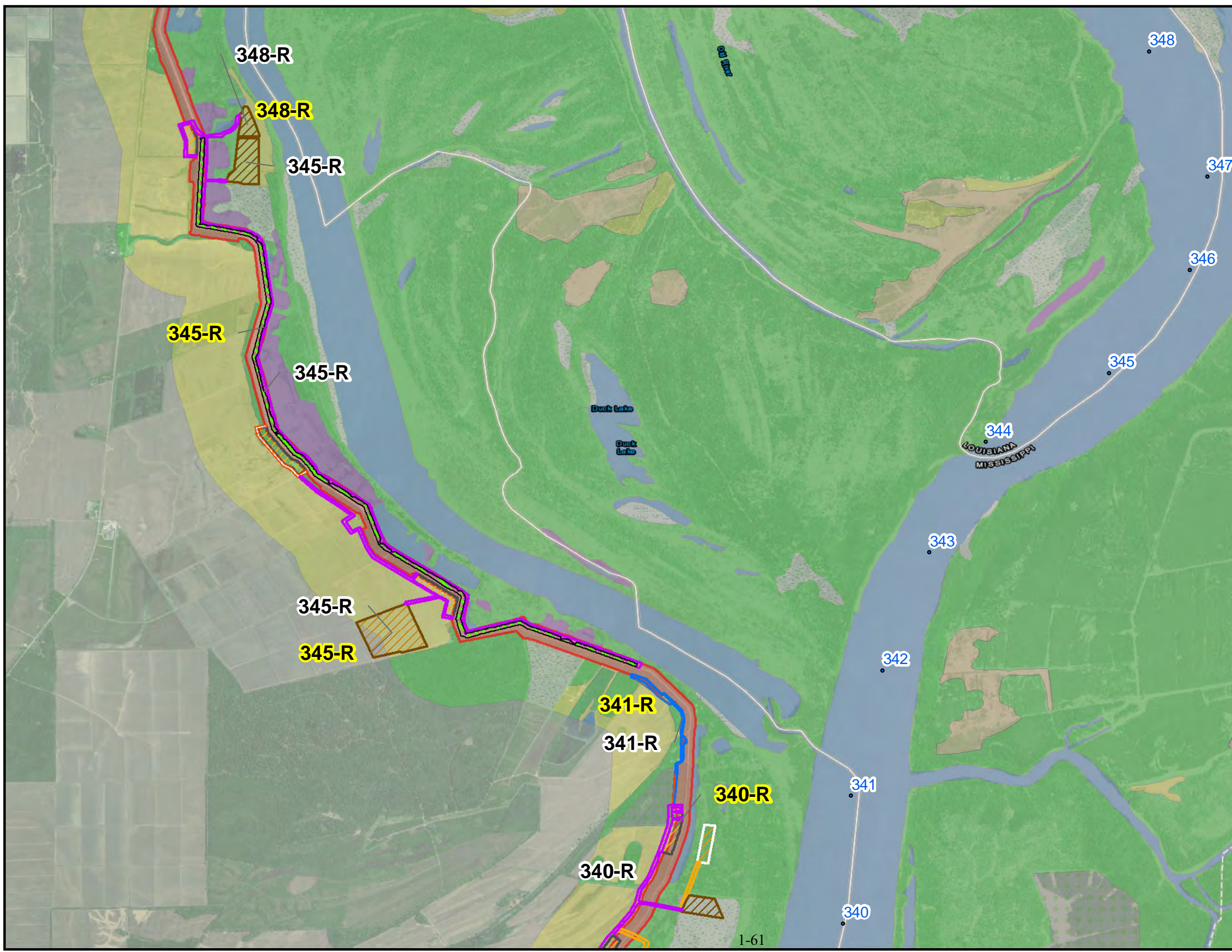
## Location Map



**US Army Corps  
of Engineers**  
Mississippi Valley Division



**USACE Army Corps of Engineers  
Mississippi River Levees  
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Map  
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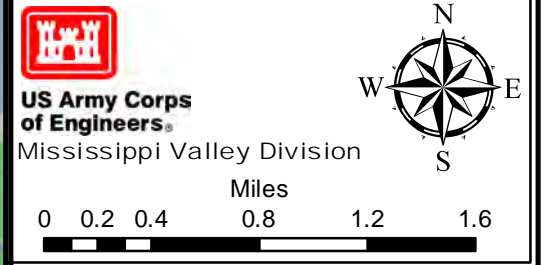
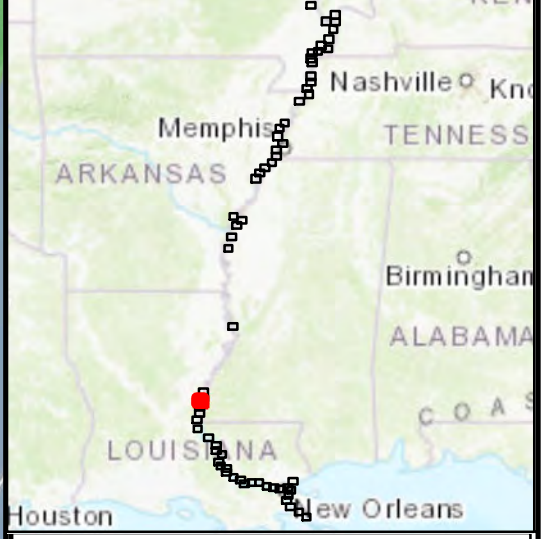
# USACE MRL SEIS 2020

## Legend

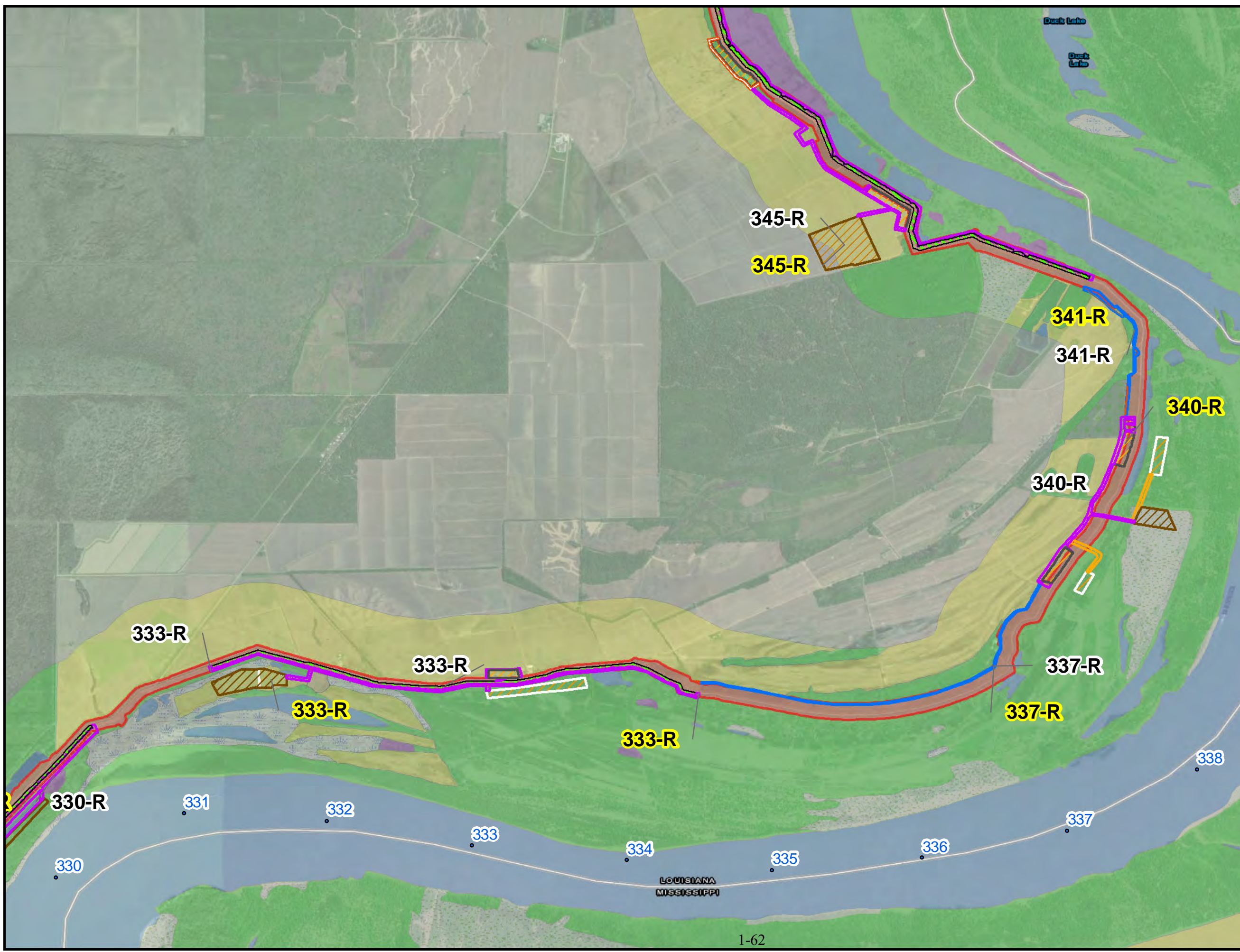
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map  
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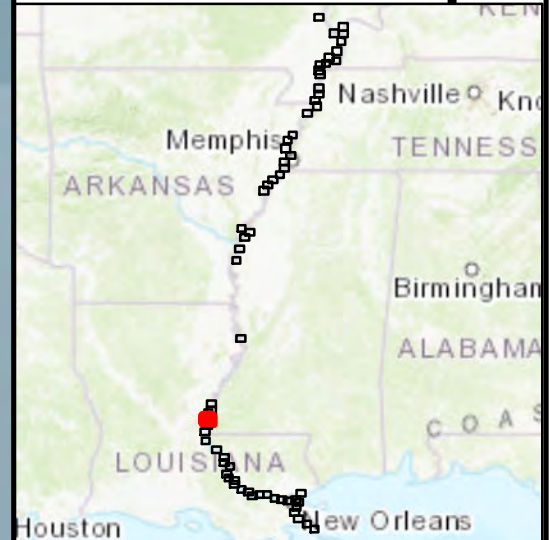
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## Legend

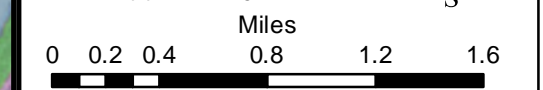
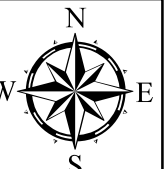
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

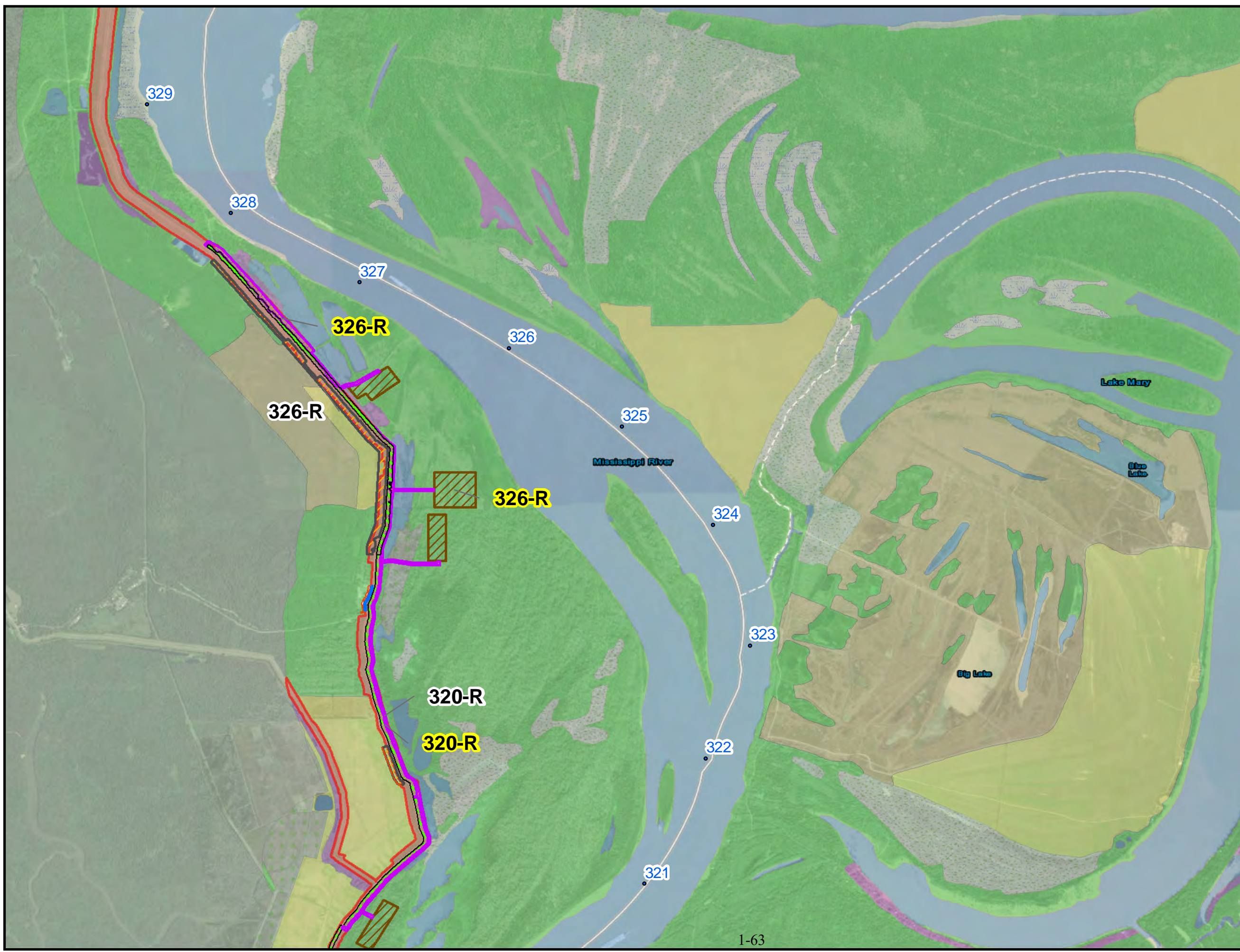
## Location Map



**US Army Corps  
of Engineers**  
Mississippi Valley Division



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Mississippi River Levees  
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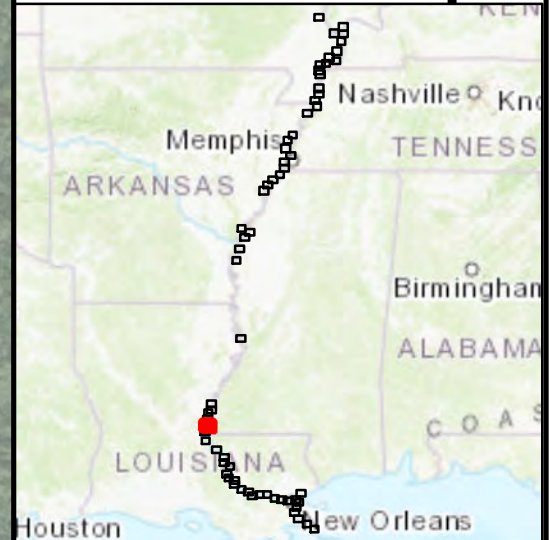
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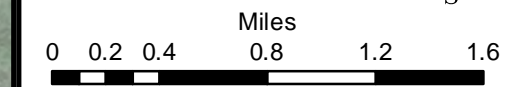
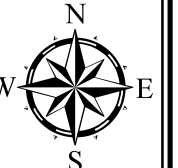
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

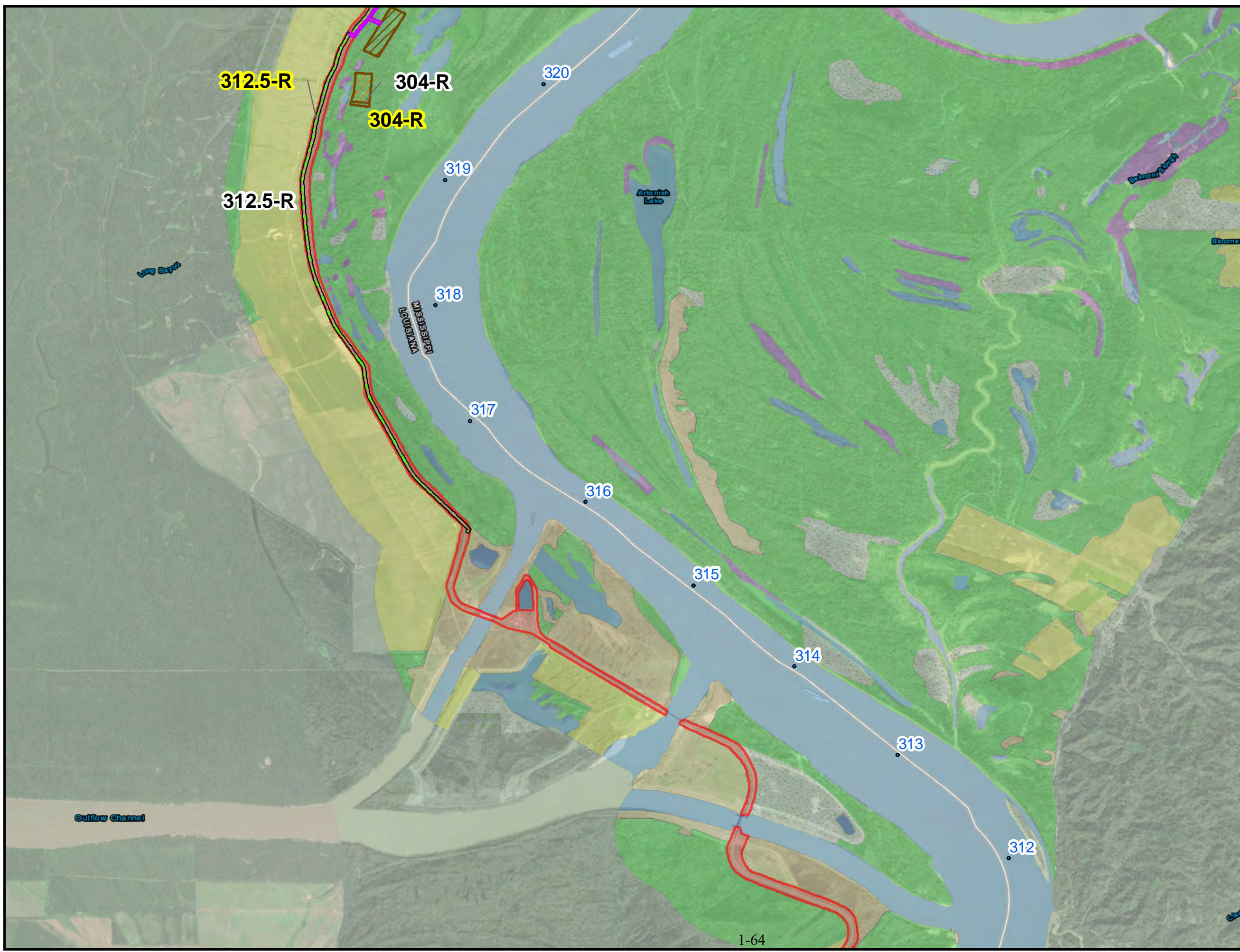
## Location Map



**US Army Corps  
of Engineers**  
Mississippi Valley Division



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Mississippi River Levees  
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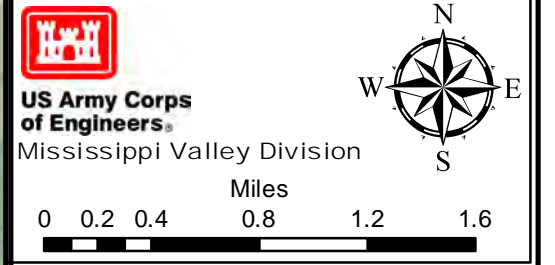
# USACE MRL SEIS 2020

## Legend

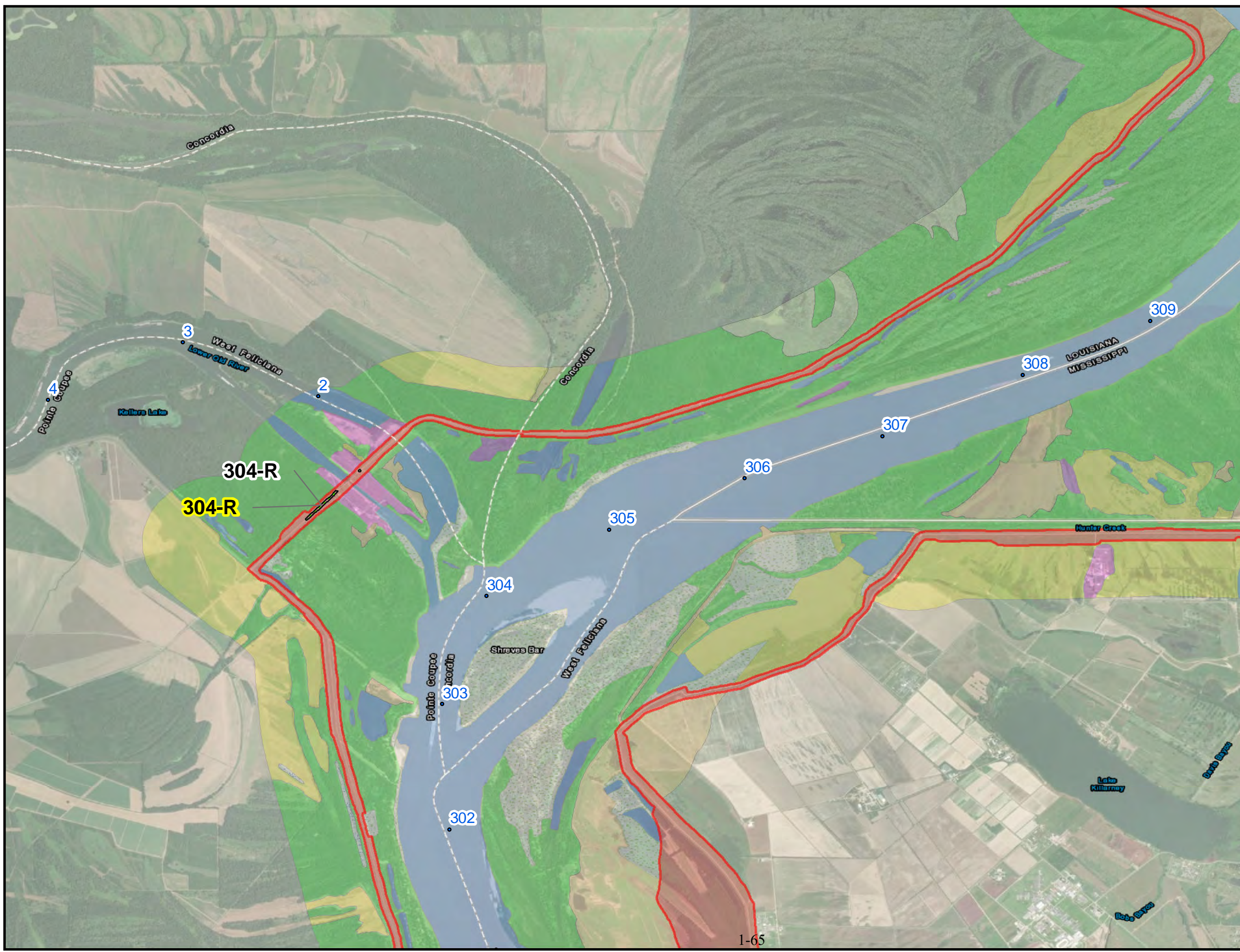
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Open Water
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



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Mississippi River Levees  
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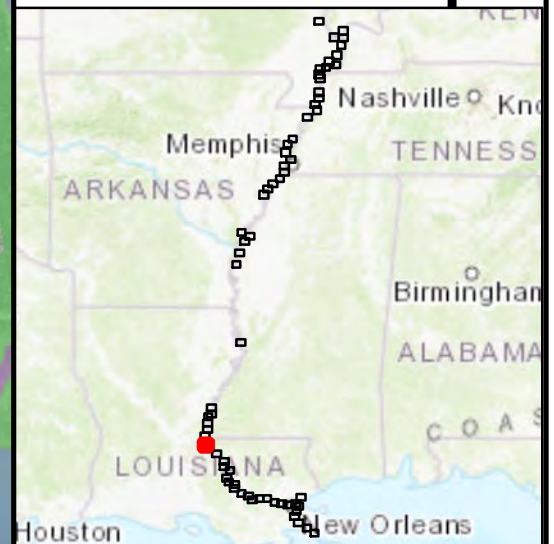
# USACE MRL SEIS 2020

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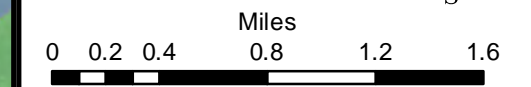
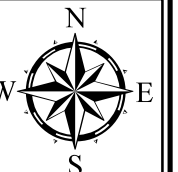
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	Classification
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
	Herbaceous
	Open Water
	Pasture
	Ridge-Slough Complex
	Sandbar
	Scrub/Shrub
	Tree Plantation
	Urban
	Levee
<b>Alternative 2 (Traditional Construction)</b>	
<b>Features</b>	
Borrow Area	
Haul Roads	
<b>Alternative 3 (Avoid and Minimize)</b>	
<b>Features</b>	
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



US Army Corps of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map



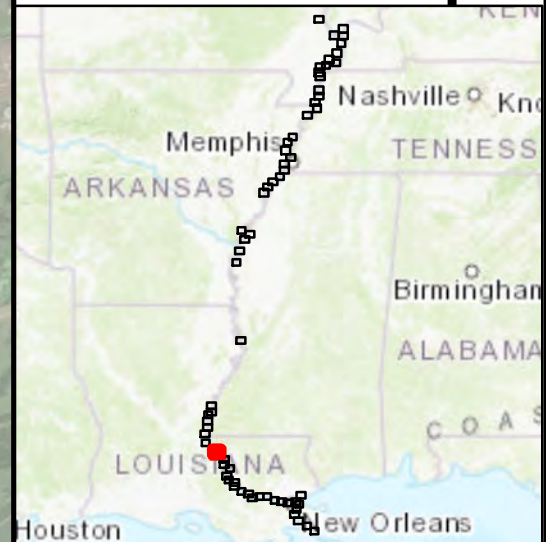
# USACE MRL SEIS 2020

## Legend

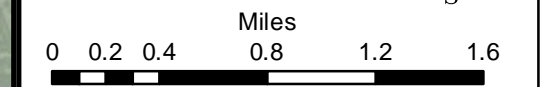
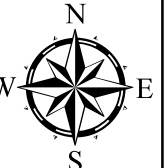
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement (Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

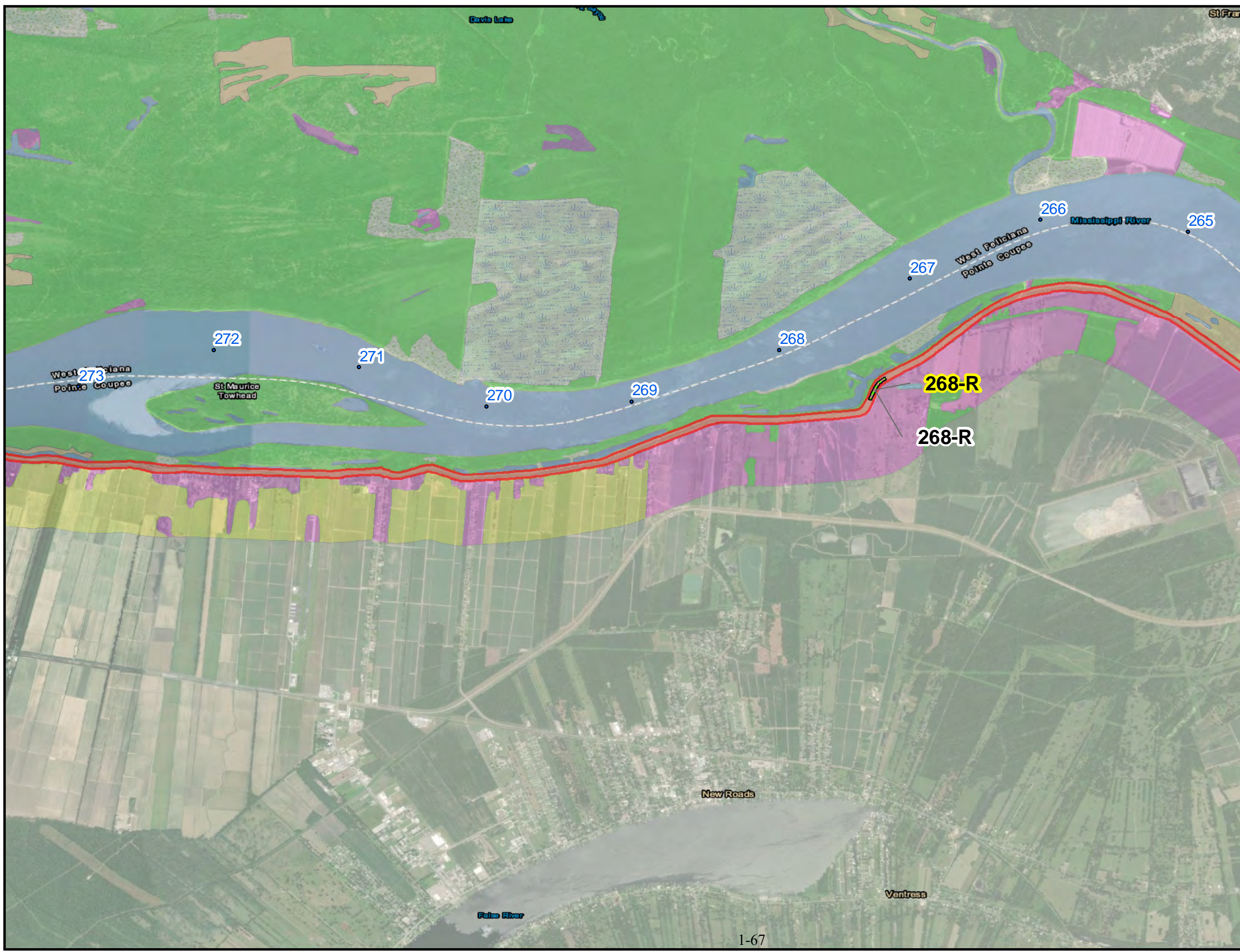
## Location Map



**US Army Corps  
of Engineers**  
Mississippi Valley Division



**USACE Army Corps of Engineers  
Mississippi River Levees  
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Map  
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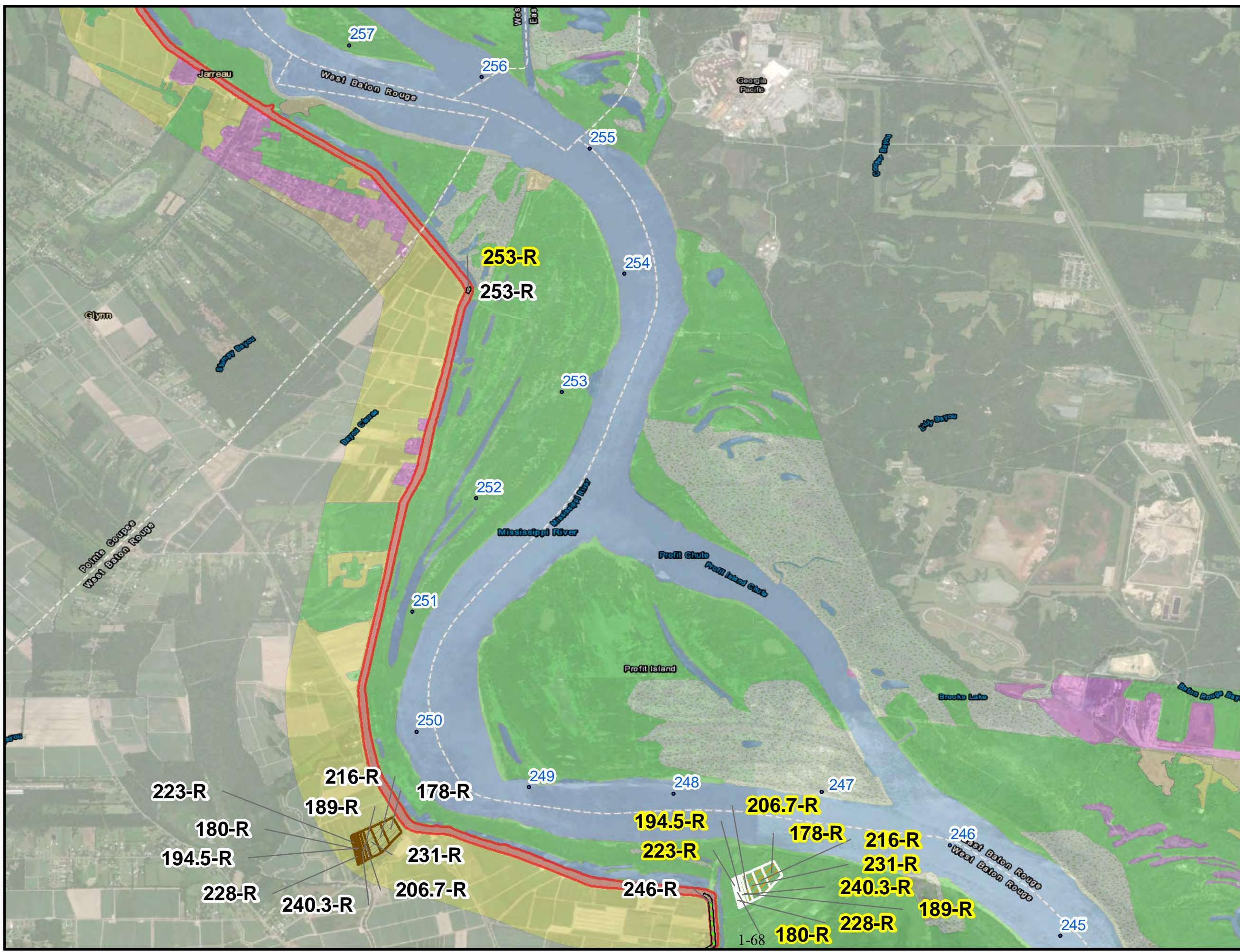
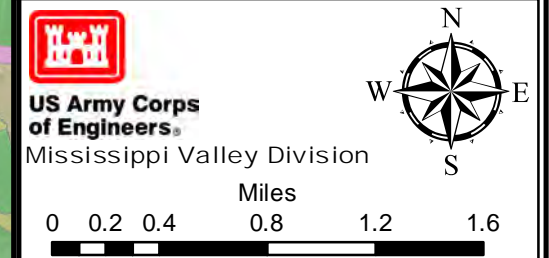
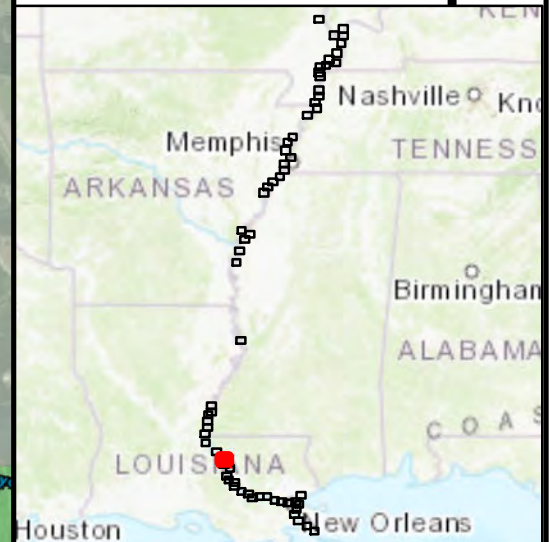
# USACE MRL SEIS 2020

## Legend

Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



# USACE MRL SEIS 2020

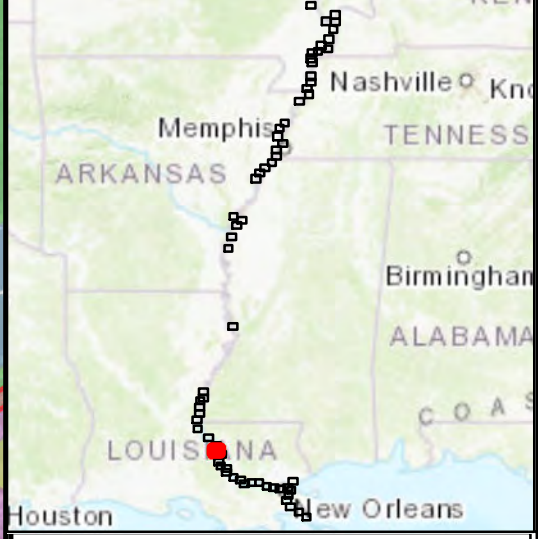


## Legend

Work Items (Alternatives 2 and 3)		Land Cover 2017	
<b>Features</b>		<b>Classification</b>	
	Levee Enlargement(Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
			Open Water
<b>Alternative 2 (Traditional Construction)</b>			Pasture
<b>Features</b>			Ridge-Slough Complex
	Borrow Area		Sandbar
	Haul Roads		Scrub/Shrub
			Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>			Urban
<b>Features</b>			Levee
	Borrow Area		
	Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



**US Army Corps of Engineers**  
Mississippi Valley Division

Miles  
0 0.2 0.4 0.8 1.2 1.6

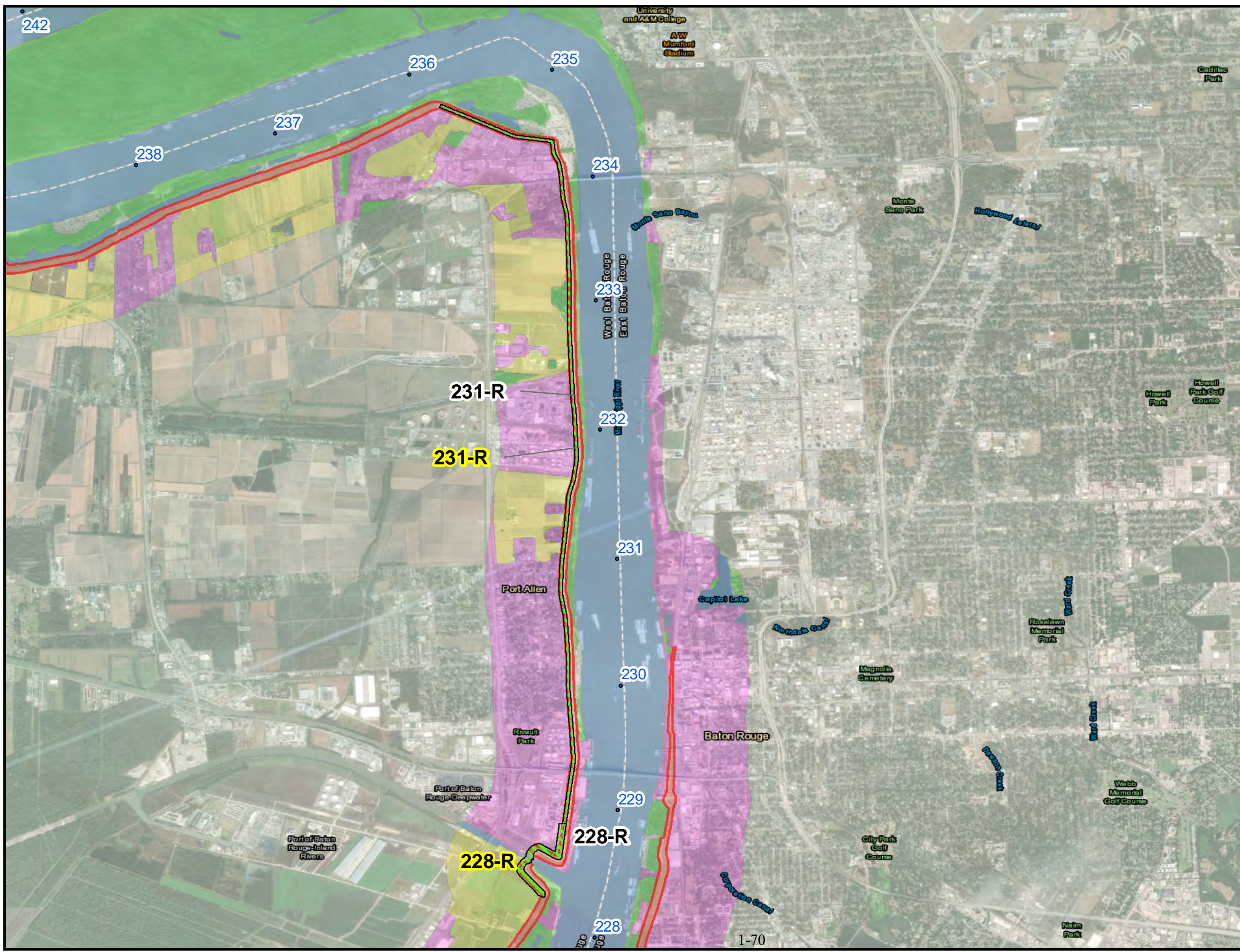
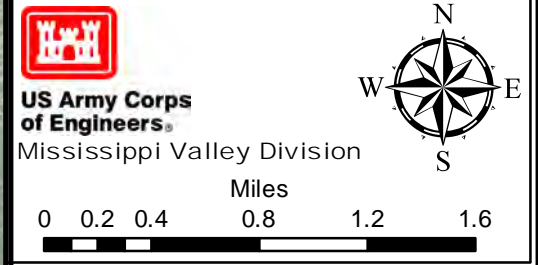
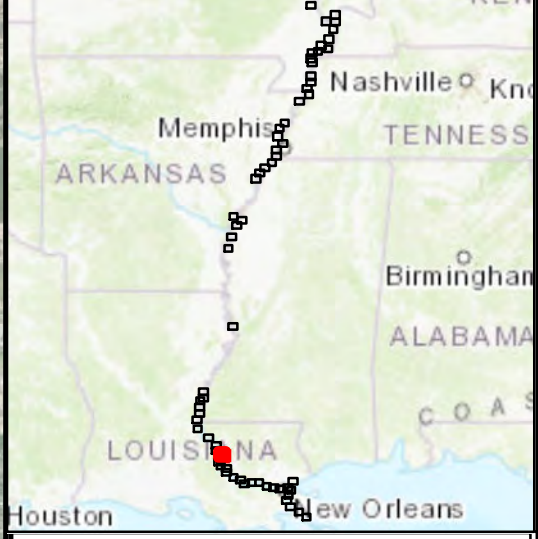
# USACE MRL SEIS 2020

## Legend

<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement (Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
Slope Flattening		Cropland
Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



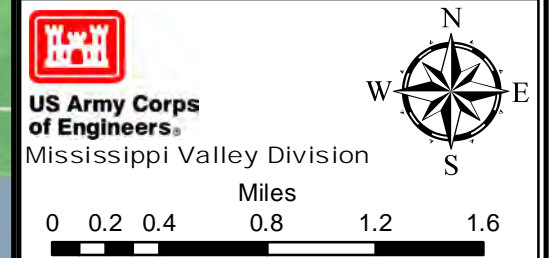
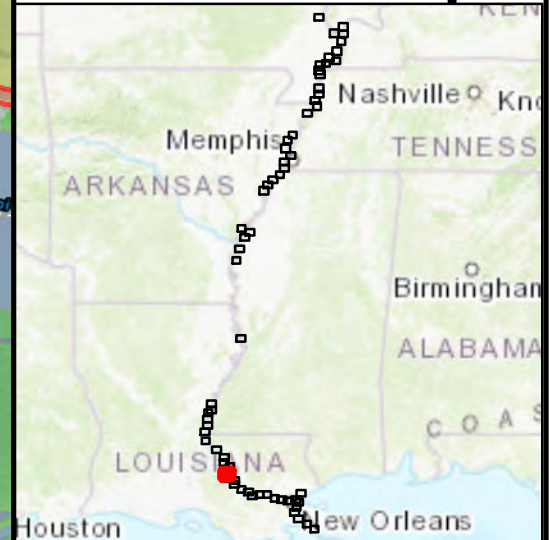
# USACE MRL SEIS 2020

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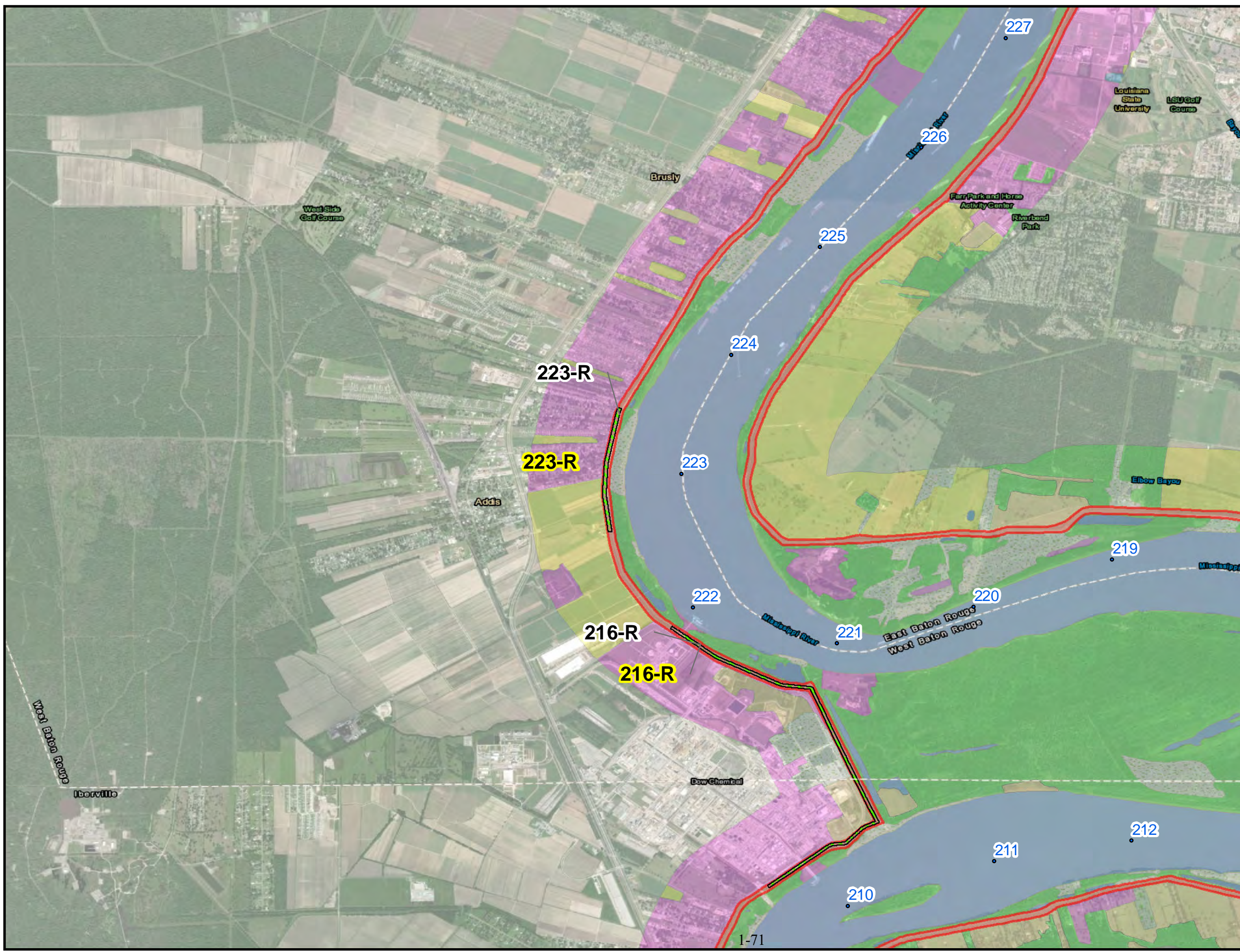
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map

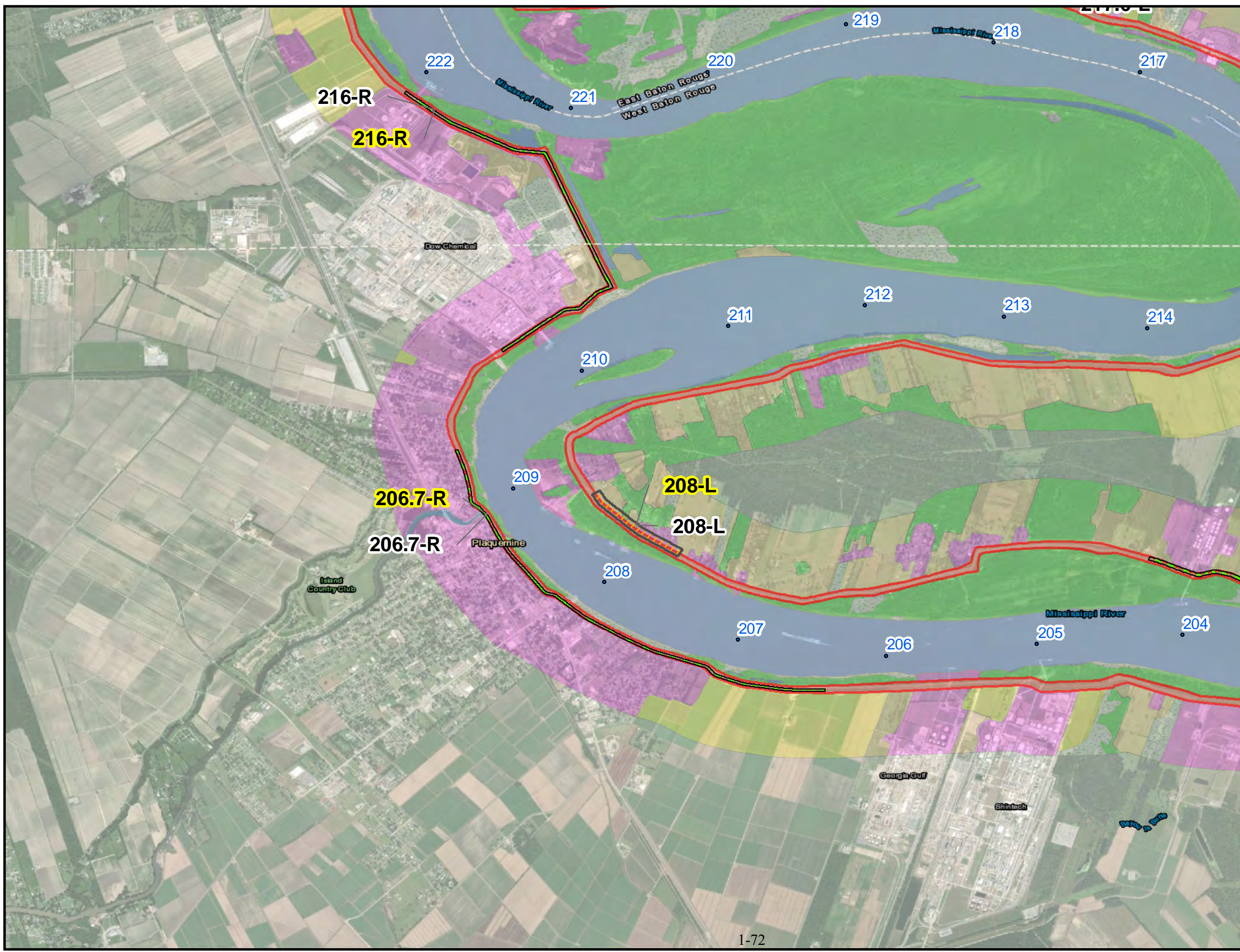


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Mississippi River Levees  
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# USACE MRL SEIS 2020

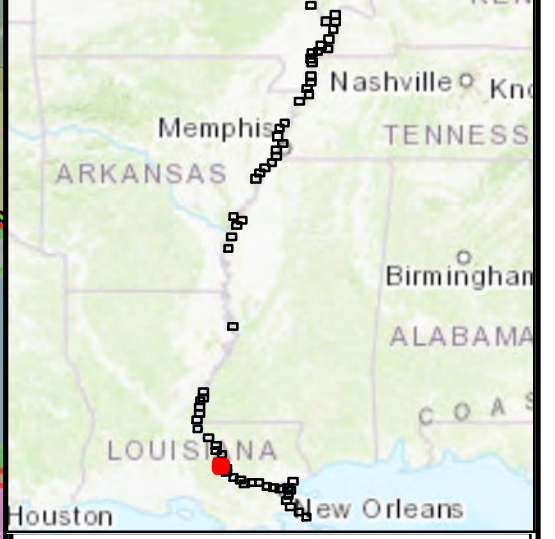



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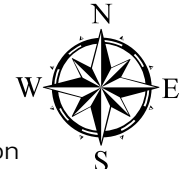
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
	Open Water
<b>Alternative 2 (Traditional Construction)</b>	Pasture
<b>Features</b>	Ridge-Slough Complex
Borrow Area	Sandbar
Haul Roads	Scrub/Shrub
	Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>	Urban
<b>Features</b>	Levee
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map

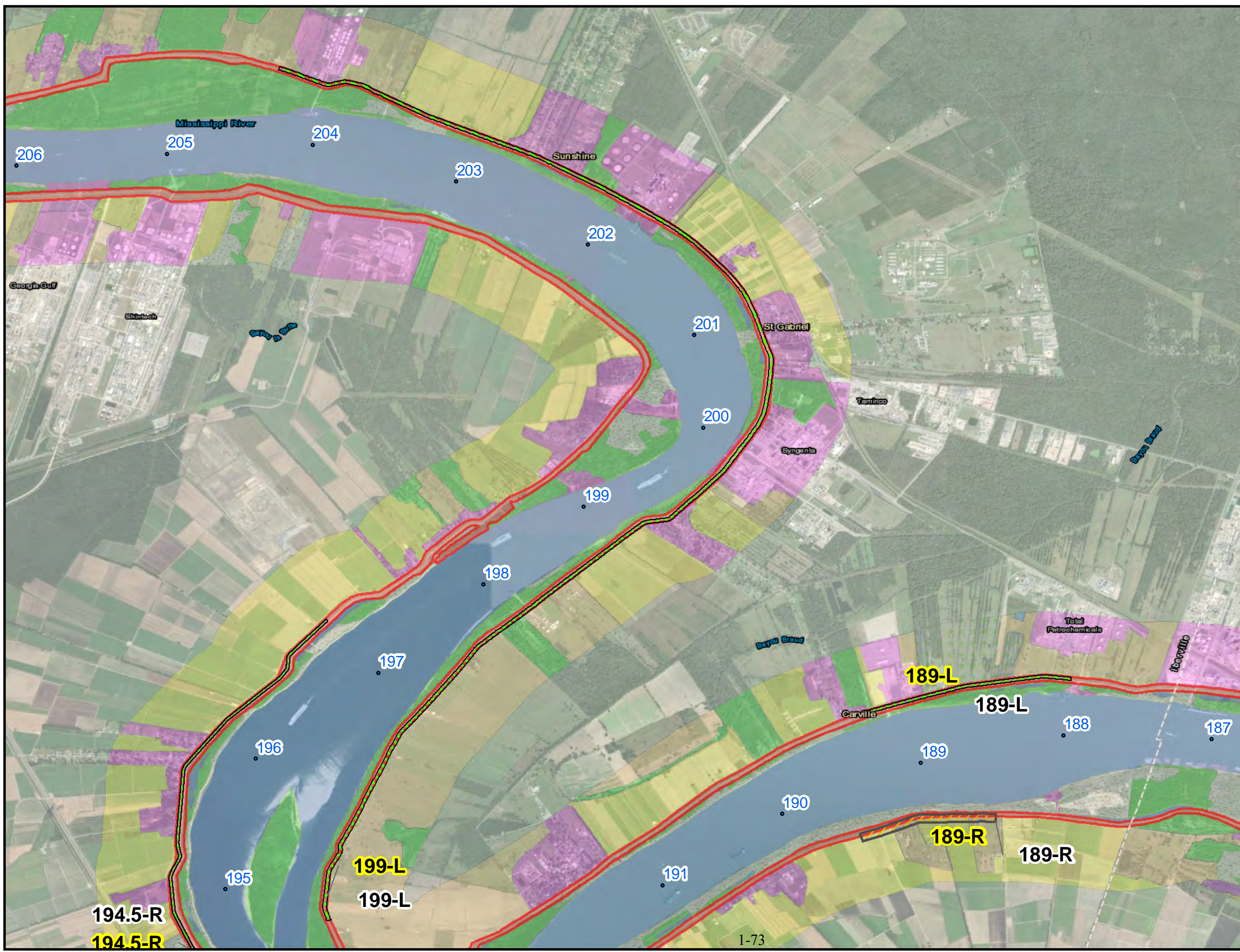



**US Army Corps of Engineers**  
Mississippi Valley Division



Miles  
0 0.2 0.4 0.8 1.2 1.6

# USACE MRL SEIS 2020

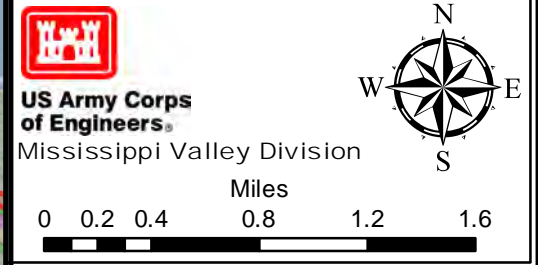
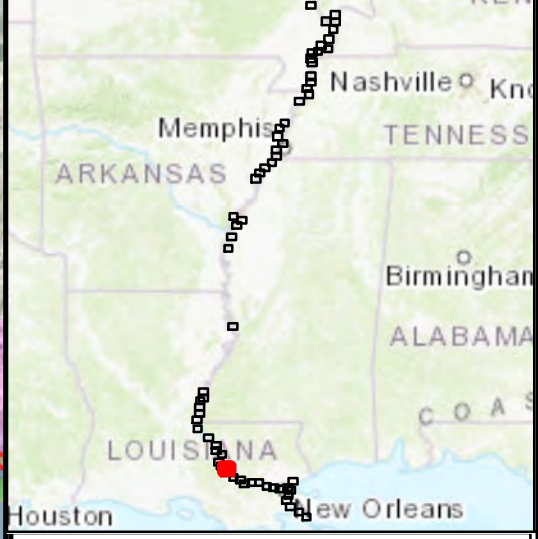


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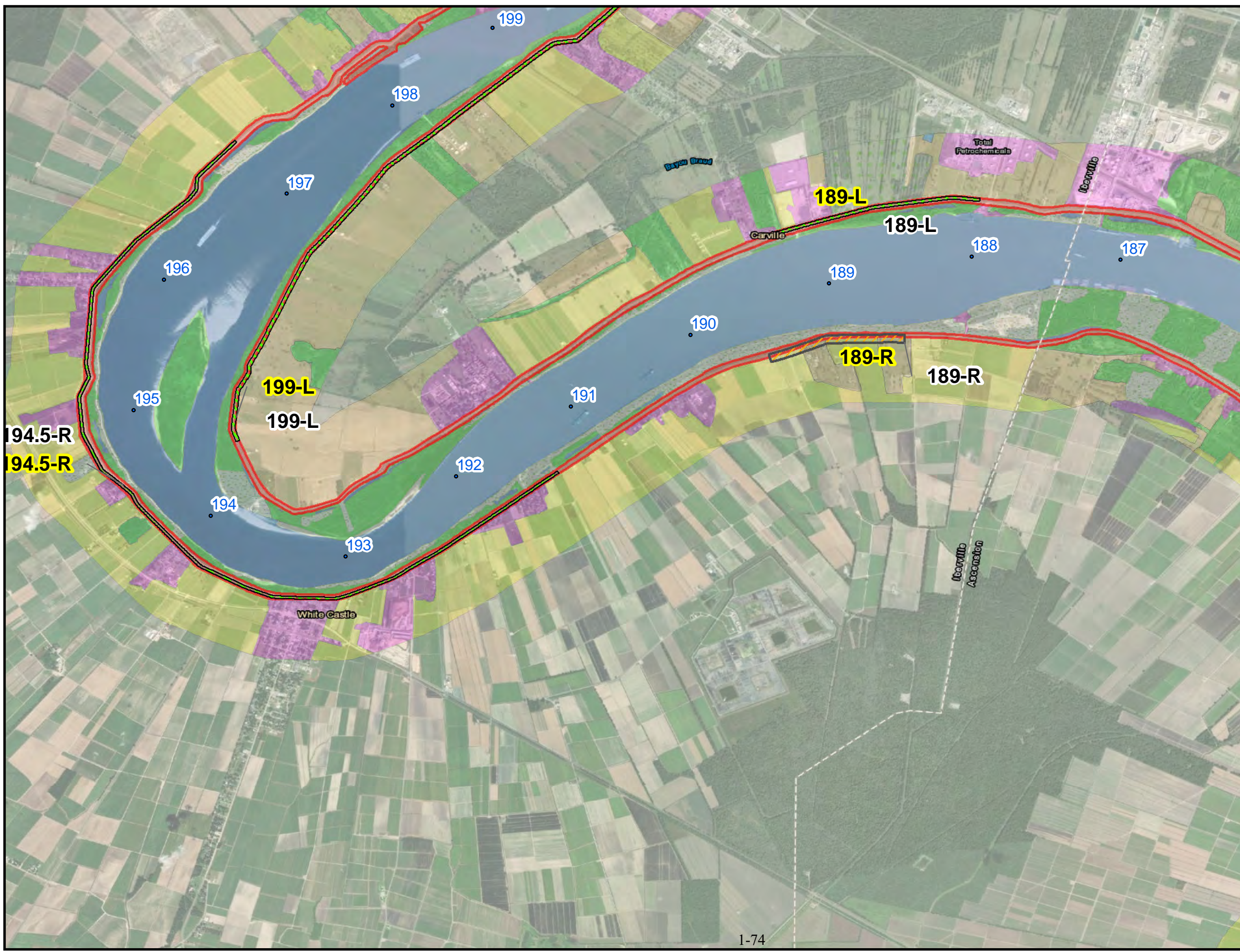
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
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<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



# USACE MRL SEIS 2020




## Legend


Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
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Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
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## Location Map

**US Army Corps of Engineers**  
Mississippi Valley Division



Miles  
0 0.2 0.4 0.8 1.2 1.6

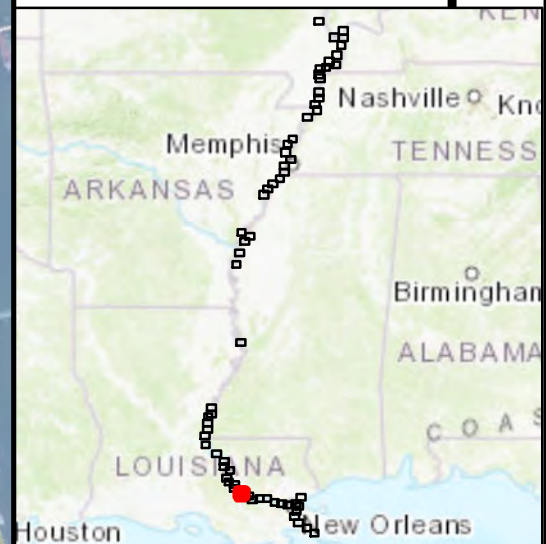
# USACE MRL SEIS 2020

## Legend

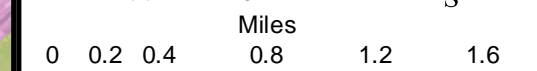
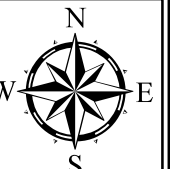
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)	Bare soil	Bottom Land Hardwood
Seepage Berm	Cropland	Open Water
Slope Flattening	Levee	Marsh
Floodwall Replacement	Relief Well	Herbaceous
Drainage Ditch		Pasture
		Ridge-Slough Complex
<b>Alternative 2 (Traditional Construction)</b>		Sandbar
<b>Features</b>		Scrub/Shrub
Borrow Area		Tree Plantation
Haul Roads		Urban
		Levee
<b>Alternative 3 (Avoid and Minimize)</b>		
<b>Features</b>		
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

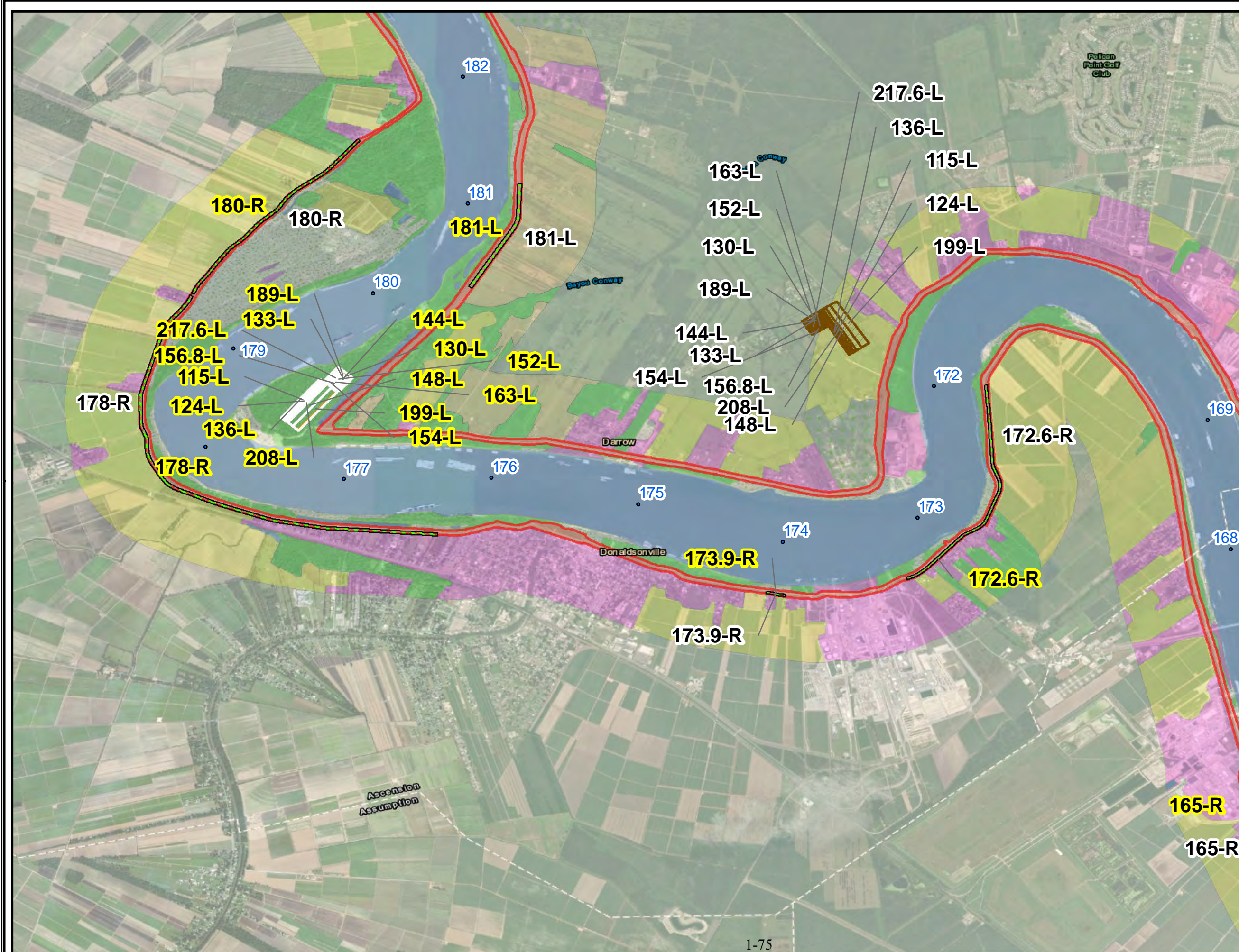
## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



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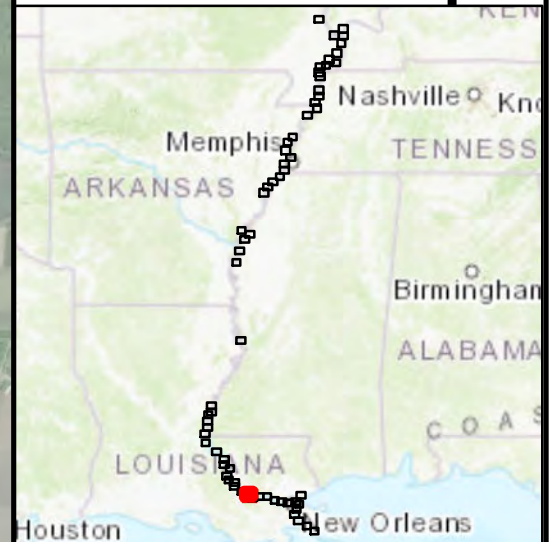
# USACE MRL SEIS 2020

## Legend

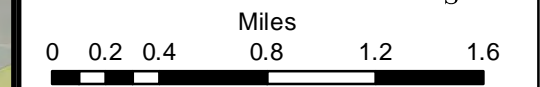
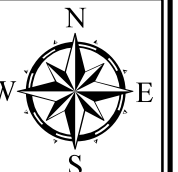
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
<b>Alternative 2 (Traditional Construction)</b>	Open Water
<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

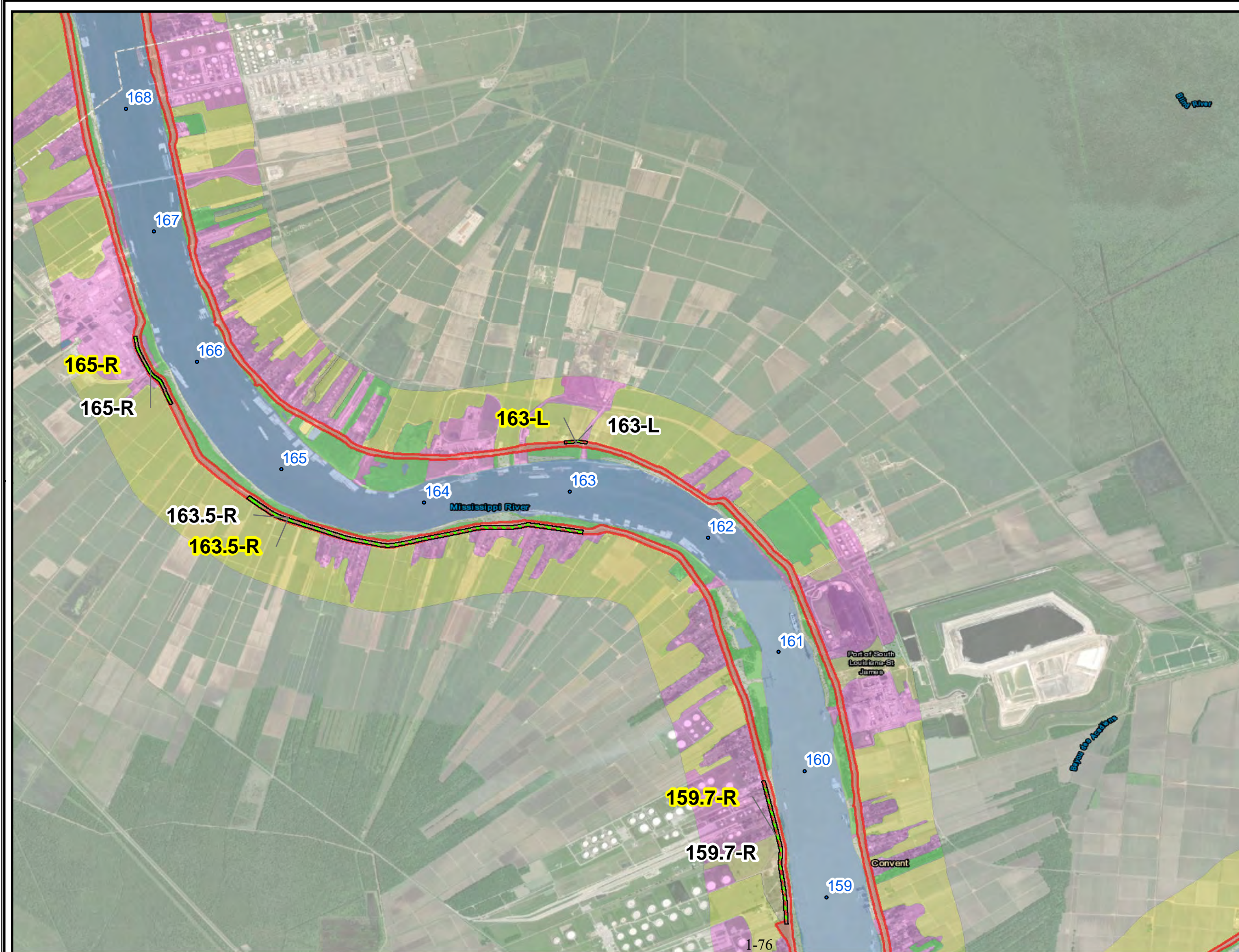
## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map



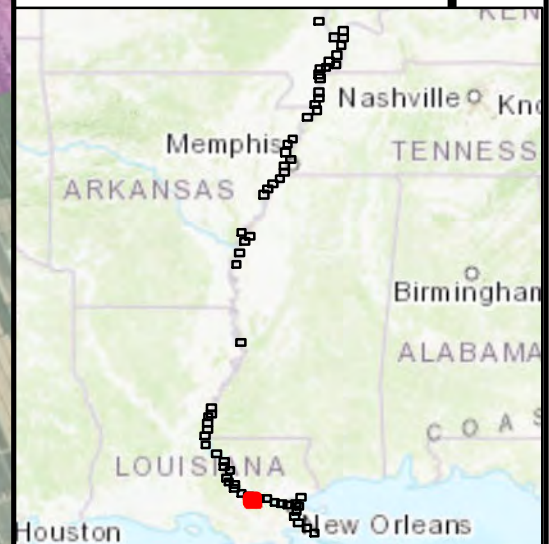
# USACE MRL SEIS 2020

## Legend

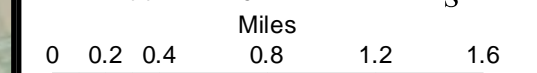
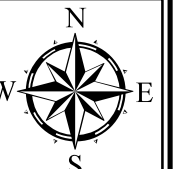
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
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<b>Features</b>	Pasture
Borrow Area	Ridge-Slough Complex
Haul Roads	Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
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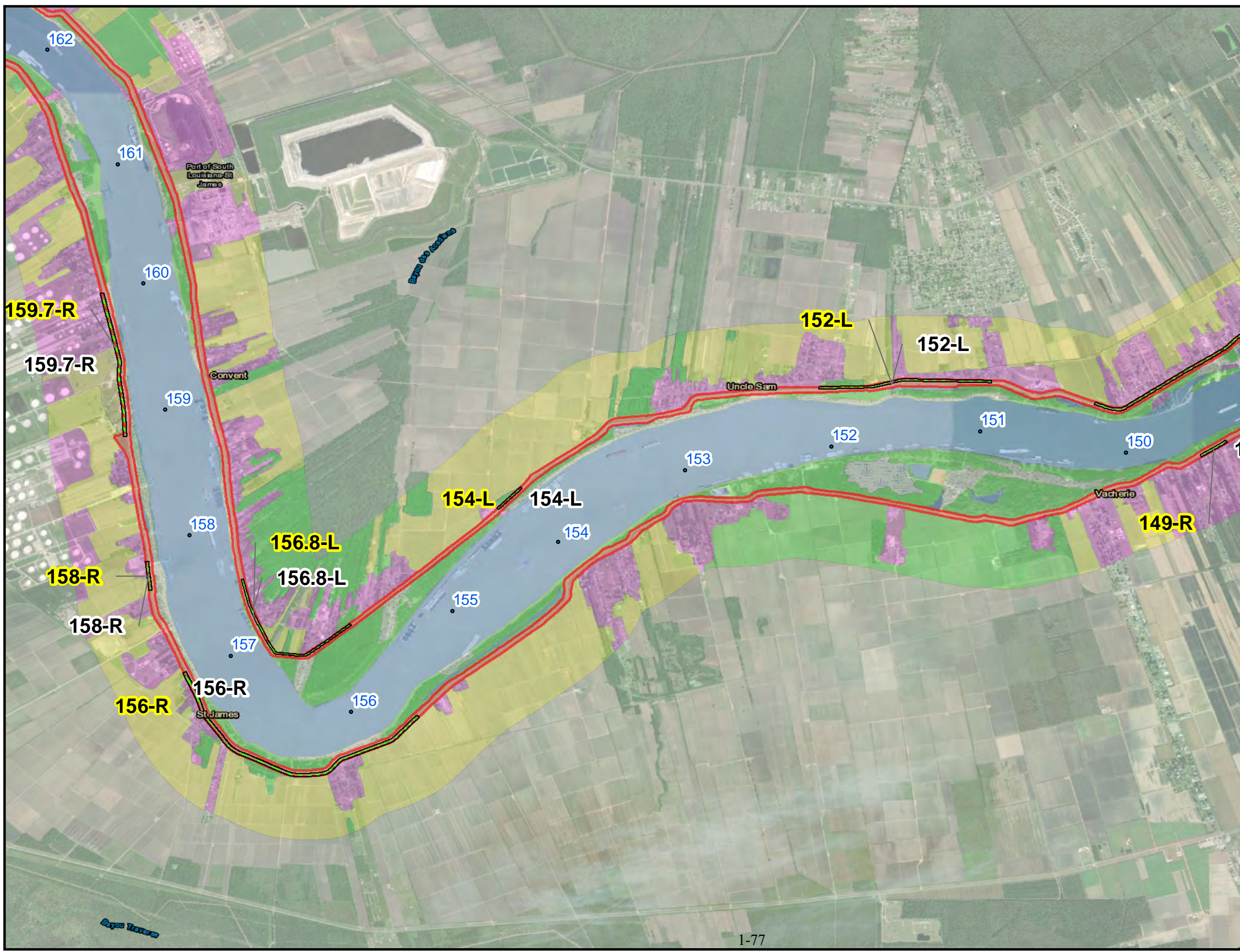
## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020



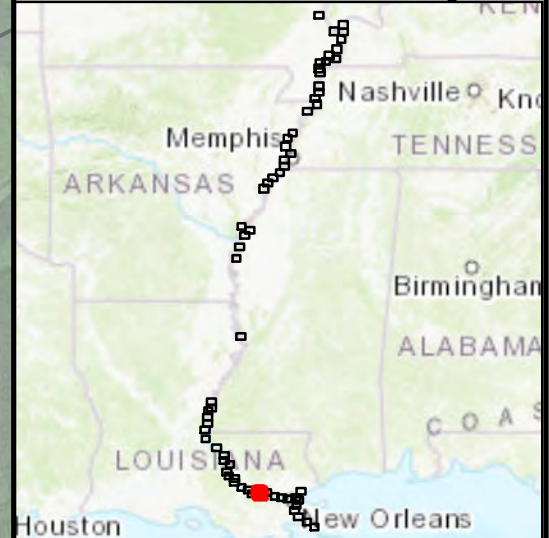
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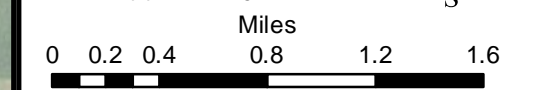
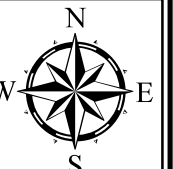
Work Items (Alternatives 2 and 3)		Land Cover 2017	
<b>Features</b>			
	Levee Enlargement(Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
<b>Alternative 2 (Traditional Construction)</b>			
<b>Features</b>			
	Borrow Area		Open Water
	Haul Roads		Pasture
<b>Alternative 3 (Avoid and Minimize)</b>			
<b>Features</b>			
	Borrow Area		Ridge-Slough Complex
	Haul Roads LS		Sandbar
			Scrub/Shrub
			Tree Plantation
			Urban
			Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

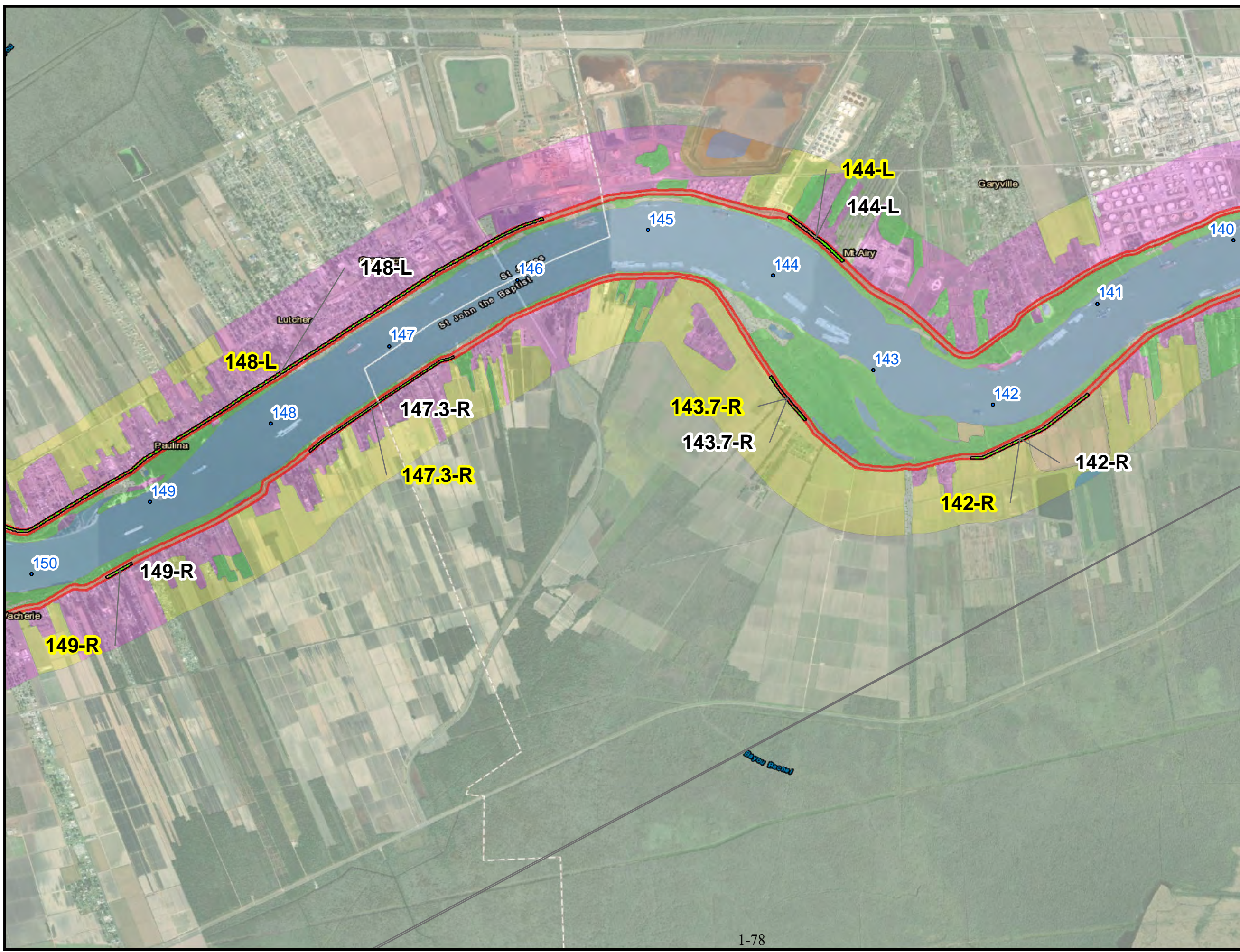
## Location Map



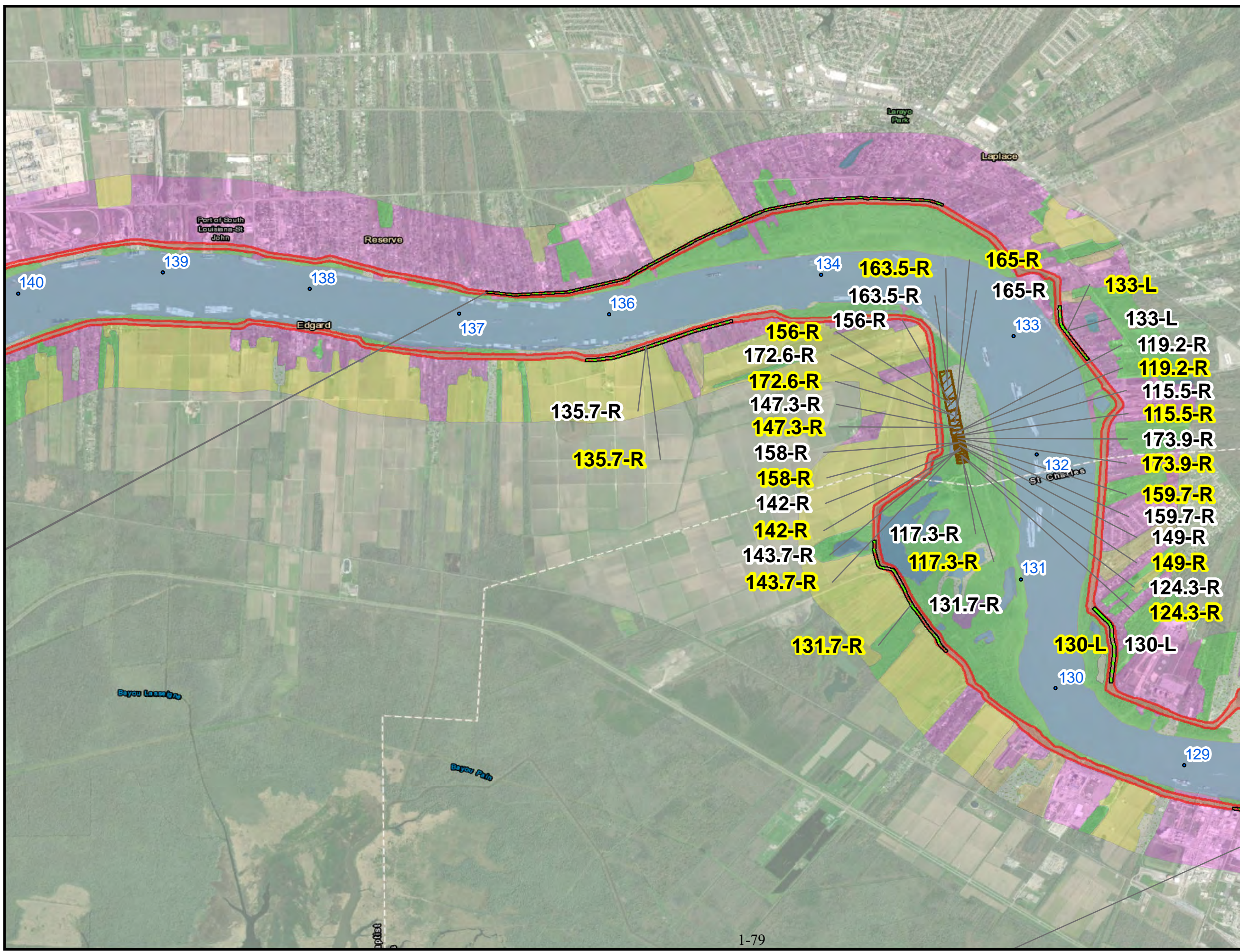
US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map  
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# USACE MRL SEIS 2020

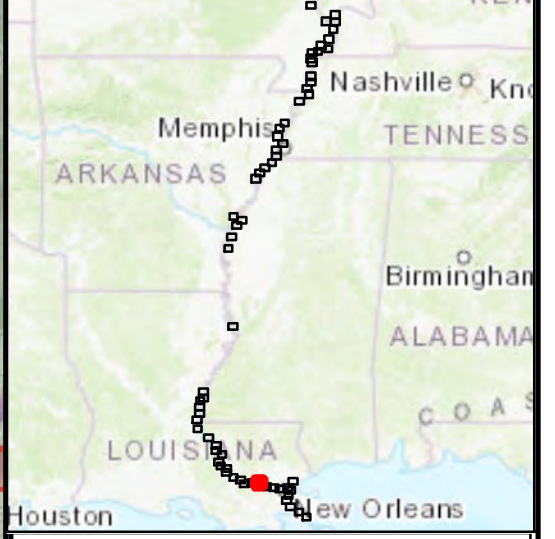


## Legend

Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
Slope Flattening	Cropland
Floodwall Replacement	Levee
Relief Well	Marsh
Drainage Ditch	Herbaceous
	Open Water
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<b>Features</b>	Ridge-Slough Complex
Borrow Area	Sandbar
Haul Roads	Scrub/Shrub
	Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>	Urban
<b>Features</b>	Levee
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



US Army Corps of Engineers  
Mississippi Valley Division

Miles  
0 0.2 0.4 0.8 1.2 1.6



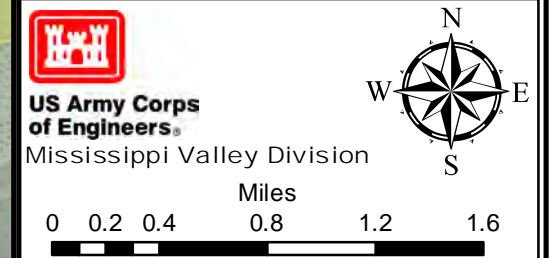
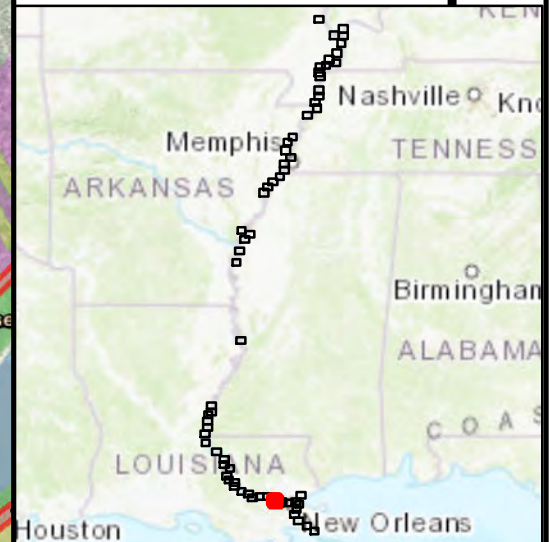
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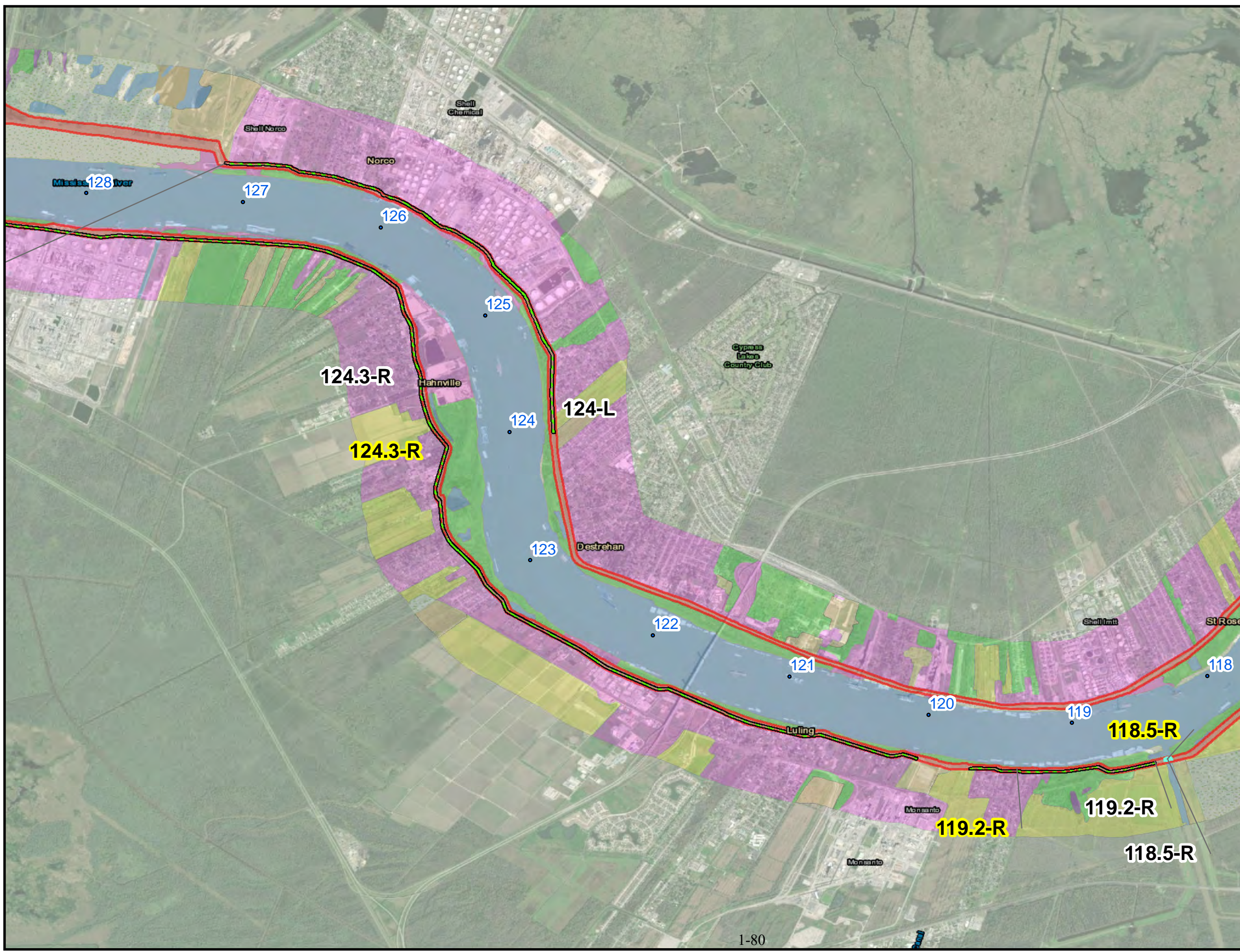
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<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
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<b>Alternative 3 (Avoid and Minimize)</b>	Scrub/Shrub
<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map  
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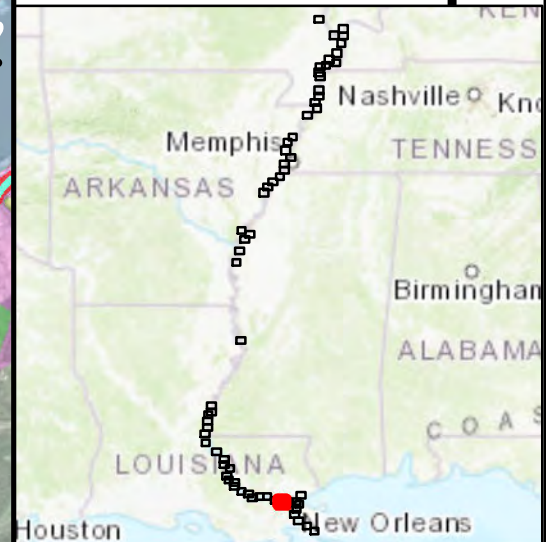
# USACE MRL SEIS 2020

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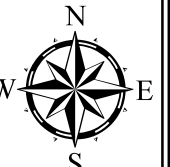
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
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<b>Features</b>	Tree Plantation
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Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
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## Location Map

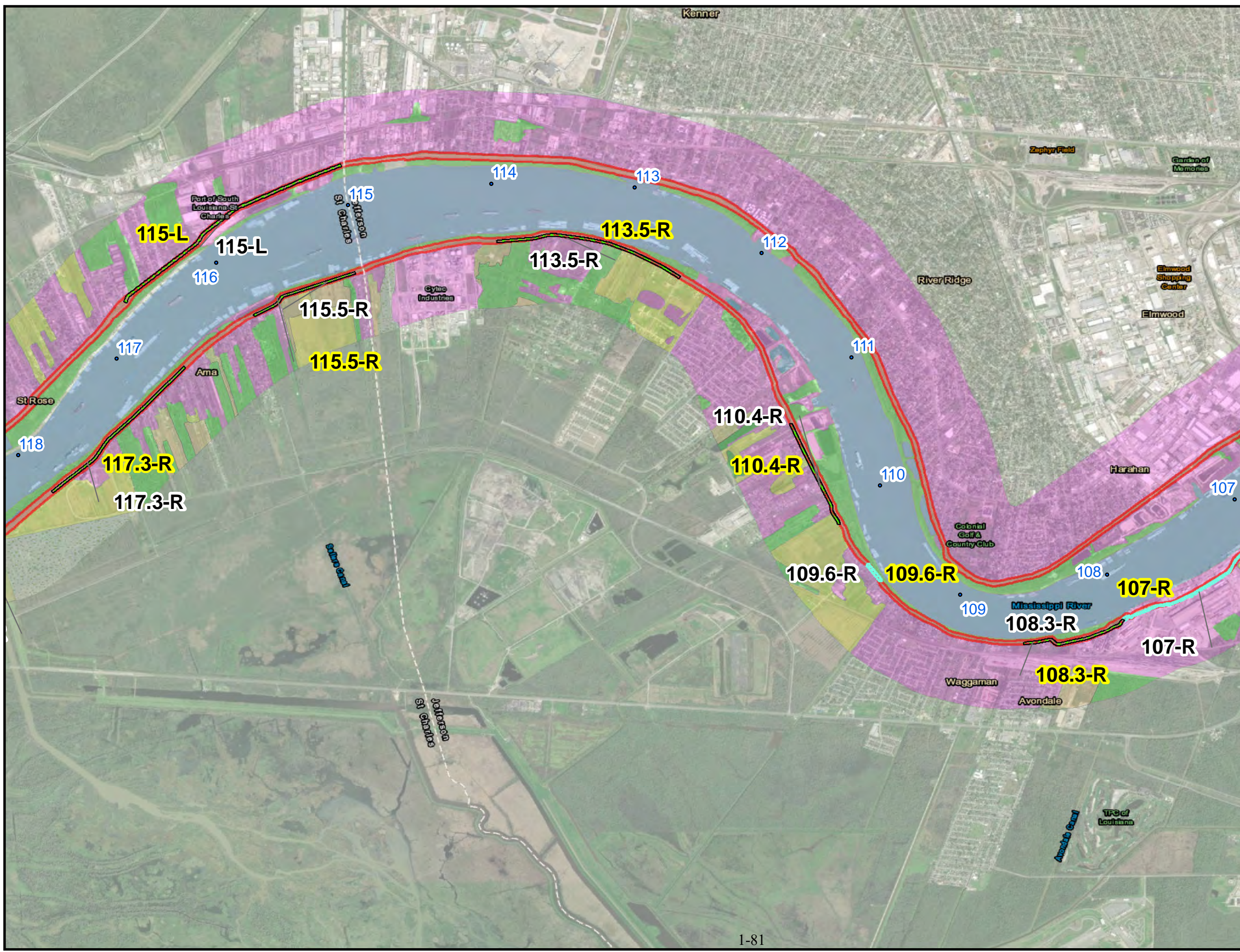


US Army Corps  
of Engineers  
Mississippi Valley Division



Miles  
0 0.2 0.4 0.8 1.2 1.6

USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map



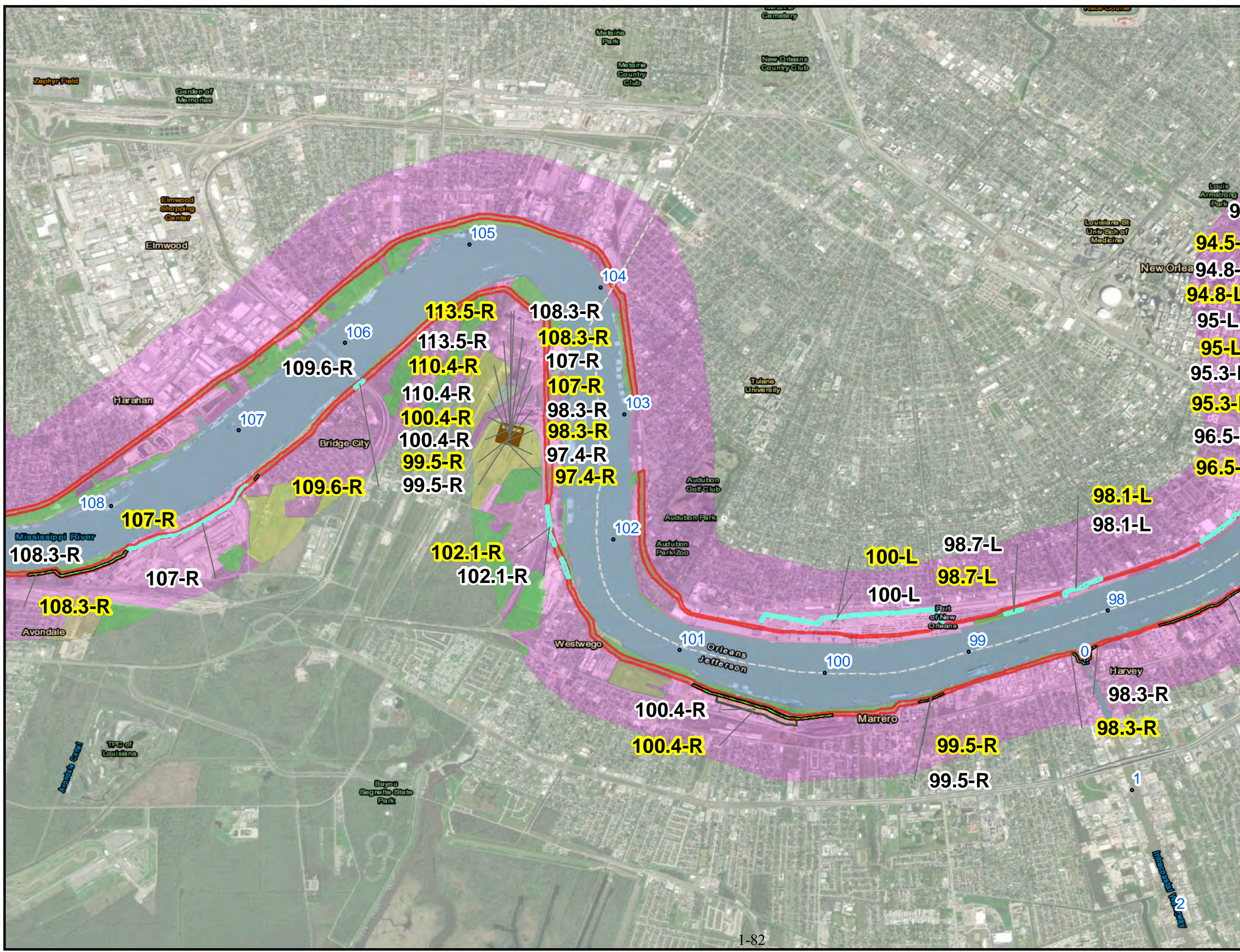
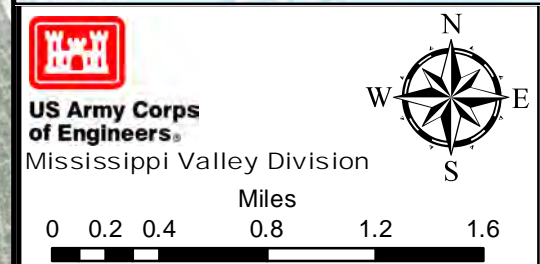
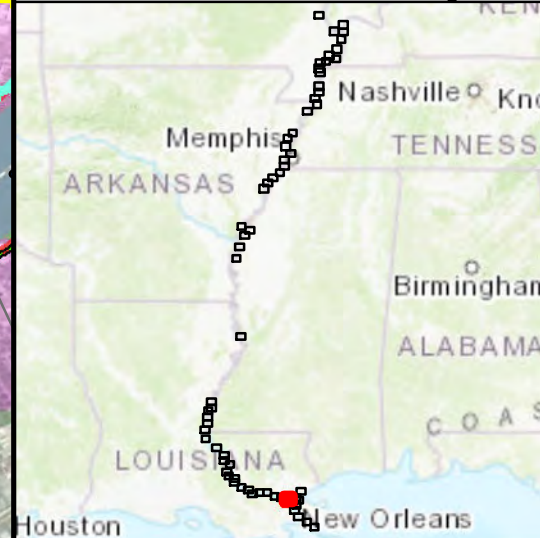
# USACE MRL SEIS 2020

## Legend

Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
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	Open Water
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<b>Features</b>	Ridge-Slough Complex
Borrow Area	Sandbar
Haul Roads	Scrub/Shrub
	Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>	Urban
<b>Features</b>	Levee
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



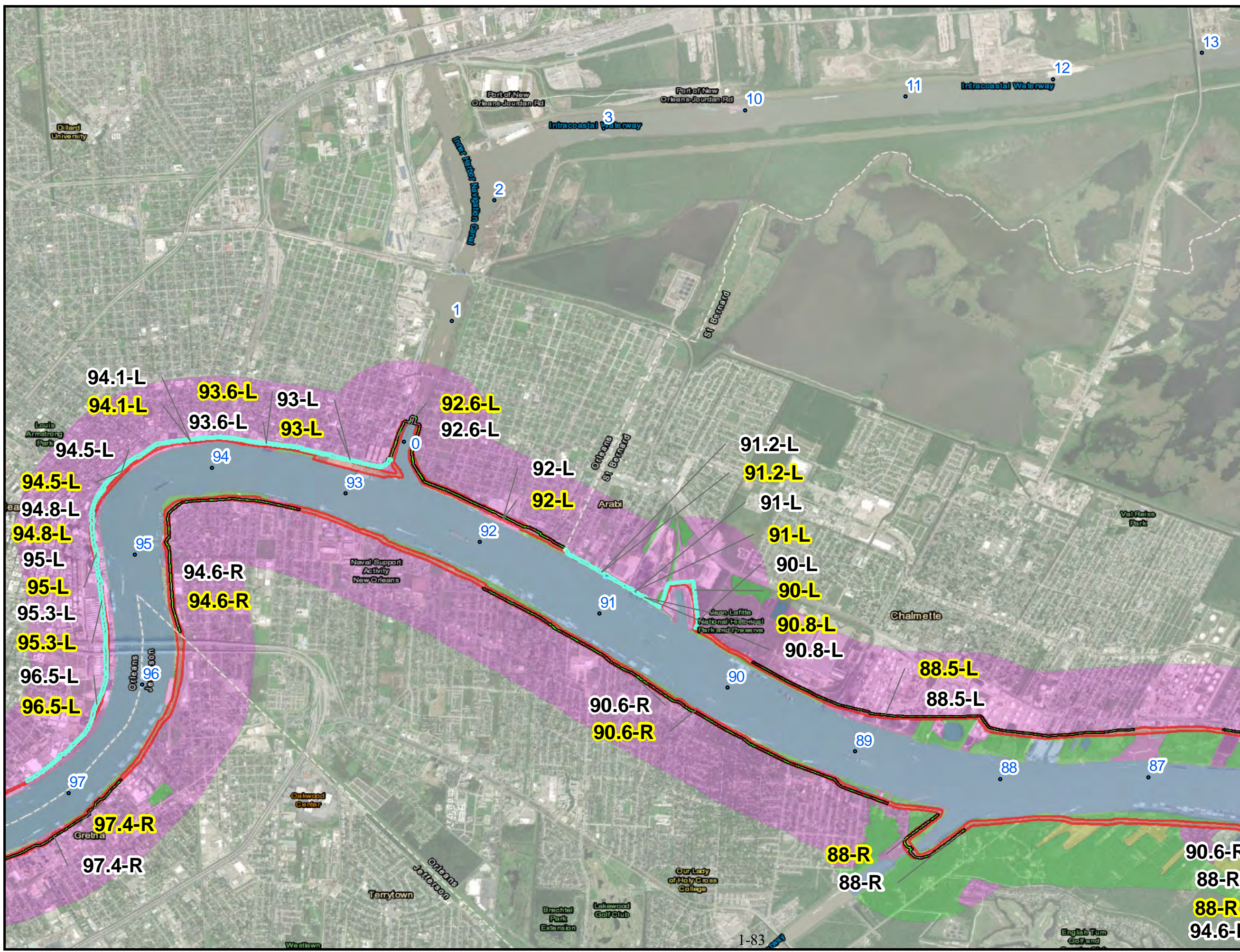
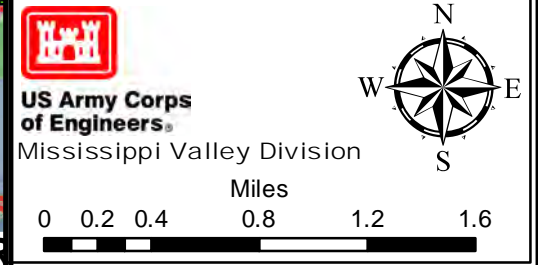
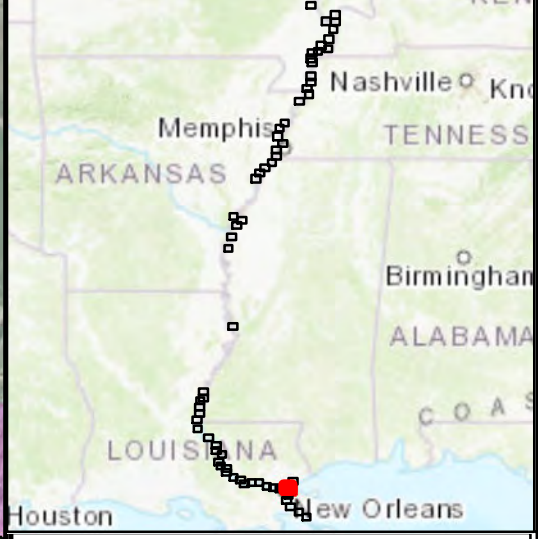
# USACE MRL SEIS 2020

## Legend

Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
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<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



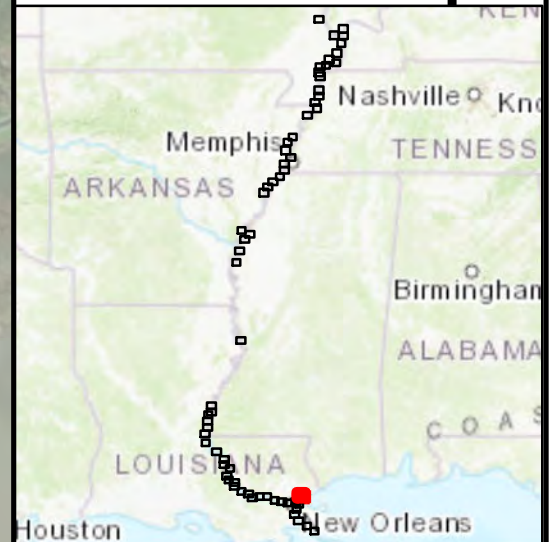
# USACE MRL SEIS 2020

## Legend

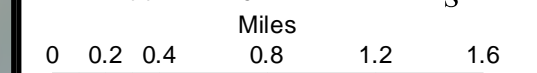
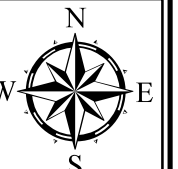
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
Seepage Berm	Bare soil
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<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

Note: Yellow label is for Alternative 2  
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## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map



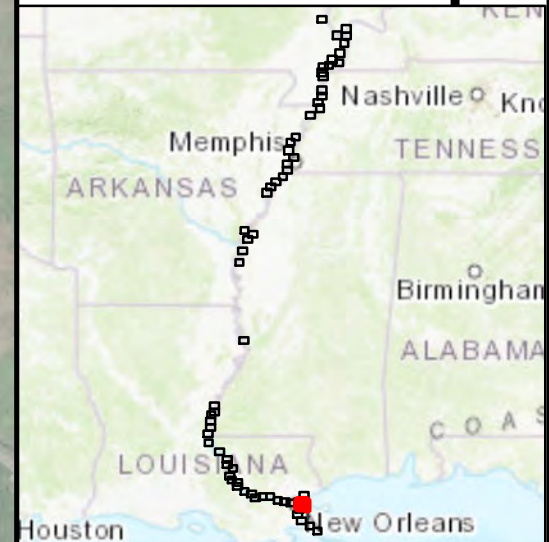
# USACE MRL SEIS 2020

## Legend

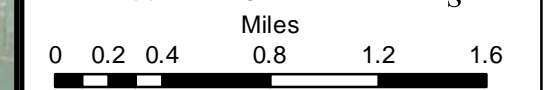
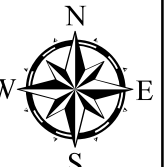
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	<b>Classification</b>
Seepage Berm	Bottom Land Hardwood
Slope Flattening	Bare soil
Floodwall Replacement	Cropland
Relief Well	Levee
Drainage Ditch	Marsh
	Herbaceous
	Open Water
<b>Alternative 2 (Traditional Construction)</b>	Pasture
<b>Features</b>	Ridge-Slough Complex
Borrow Area	Sandbar
Haul Roads	Scrub/Shrub
	Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>	Urban
<b>Features</b>	Levee
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
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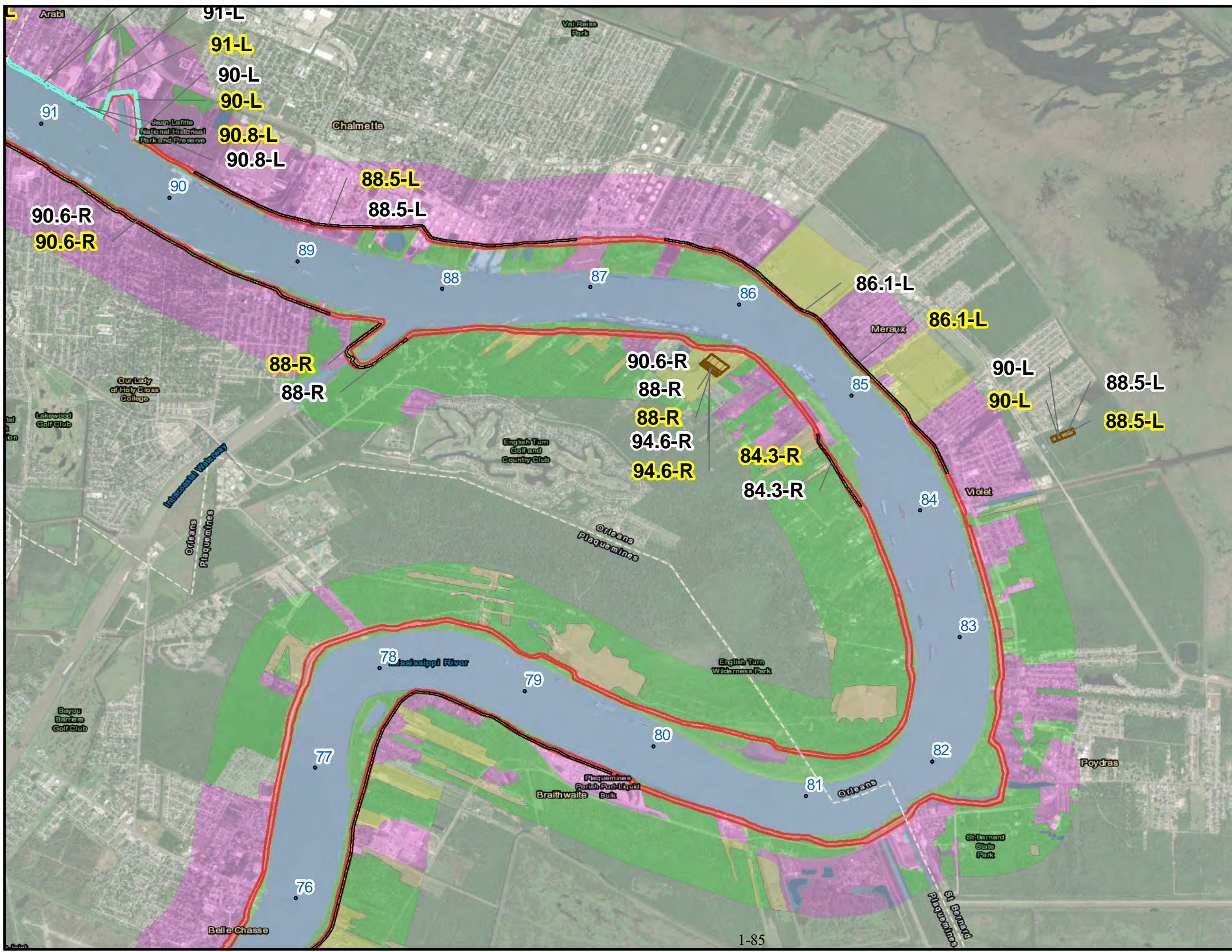
## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map  
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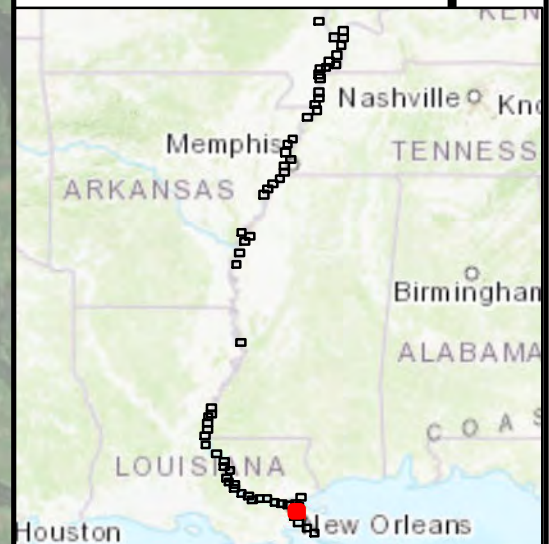
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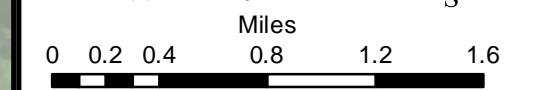
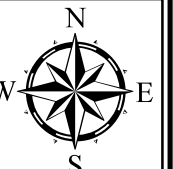
Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement (Raise)	Bottom Land Hardwood
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<b>Features</b>	Ridge-Slough Complex
Borrow Area	Sandbar
Haul Roads	Scrub/Shrub
	Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>	Urban
<b>Features</b>	Levee
Borrow Area	
Haul Roads LS	

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

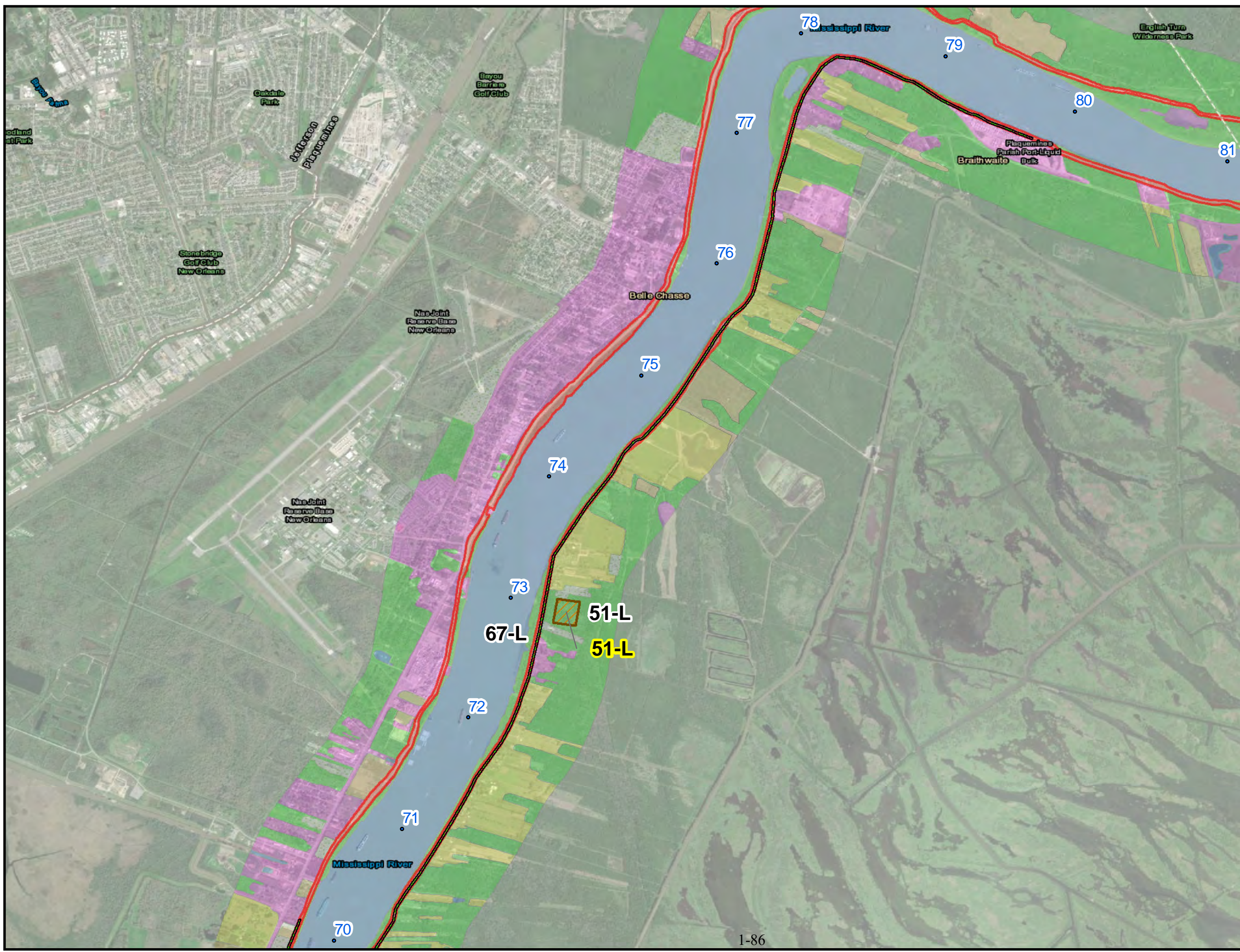
## Location Map



US Army Corps  
of Engineers  
Mississippi Valley Division



USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
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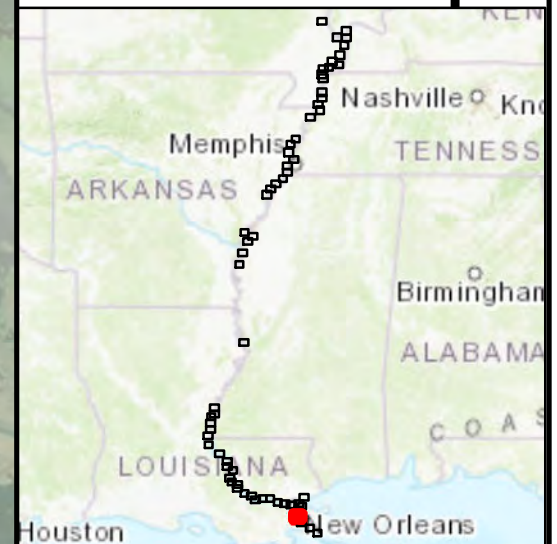
# USACE MRL SEIS 2020

## Legend

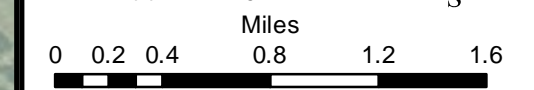
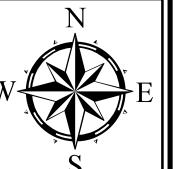
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>
<b>Features</b>		<b>Classification</b>
Levee Enlargement(Raise)		Bottom Land Hardwood
Seepage Berm		Bare soil
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Floodwall Replacement		Levee
Relief Well		Marsh
Drainage Ditch		Herbaceous
		Open Water
<b>Alternative 2 (Traditional Construction)</b>		Pasture
<b>Features</b>		Ridge-Slough Complex
Borrow Area		Sandbar
Haul Roads		Scrub/Shrub
		Tree Plantation
<b>Alternative 3 (Avoid and Minimize)</b>		Urban
<b>Features</b>		Levee
Borrow Area		
Haul Roads LS		

Note: Yellow label is for Alternative 2  
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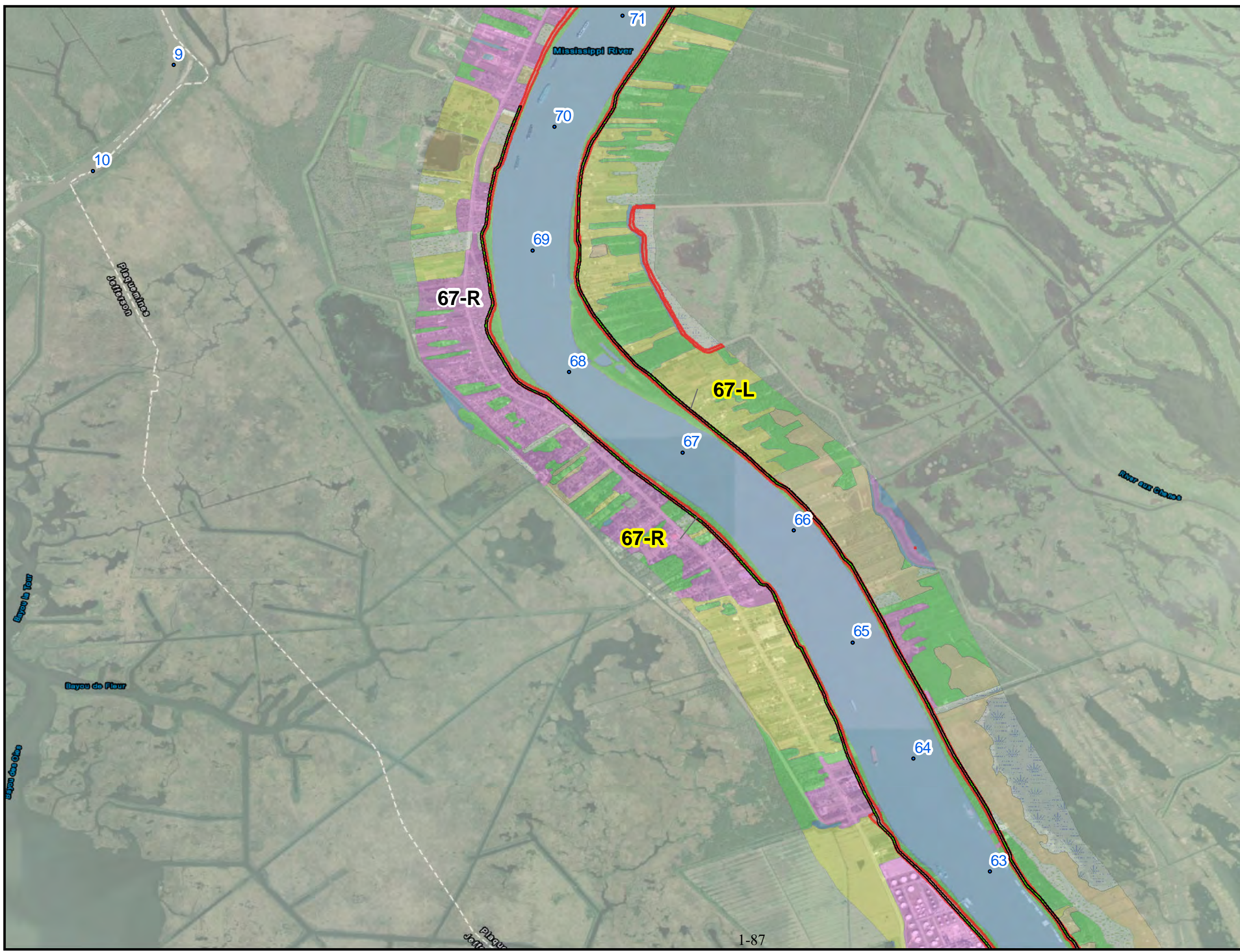
## Location Map



**US Army Corps  
of Engineers**  
Mississippi Valley Division



**USACE Army Corps of Engineers  
Mississippi River Levees  
SEIS 2020  
Map  
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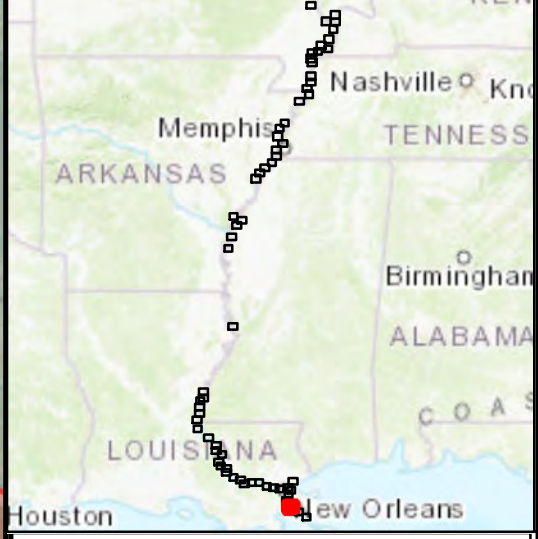
# USACE MRL SEIS 2020

## Legend

Work Items (Alternatives 2 and 3)	Land Cover 2017
<b>Features</b>	<b>Classification</b>
Levee Enlargement(Raise)	Bottom Land Hardwood
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<b>Features</b>	Tree Plantation
Borrow Area	Urban
Haul Roads LS	Levee

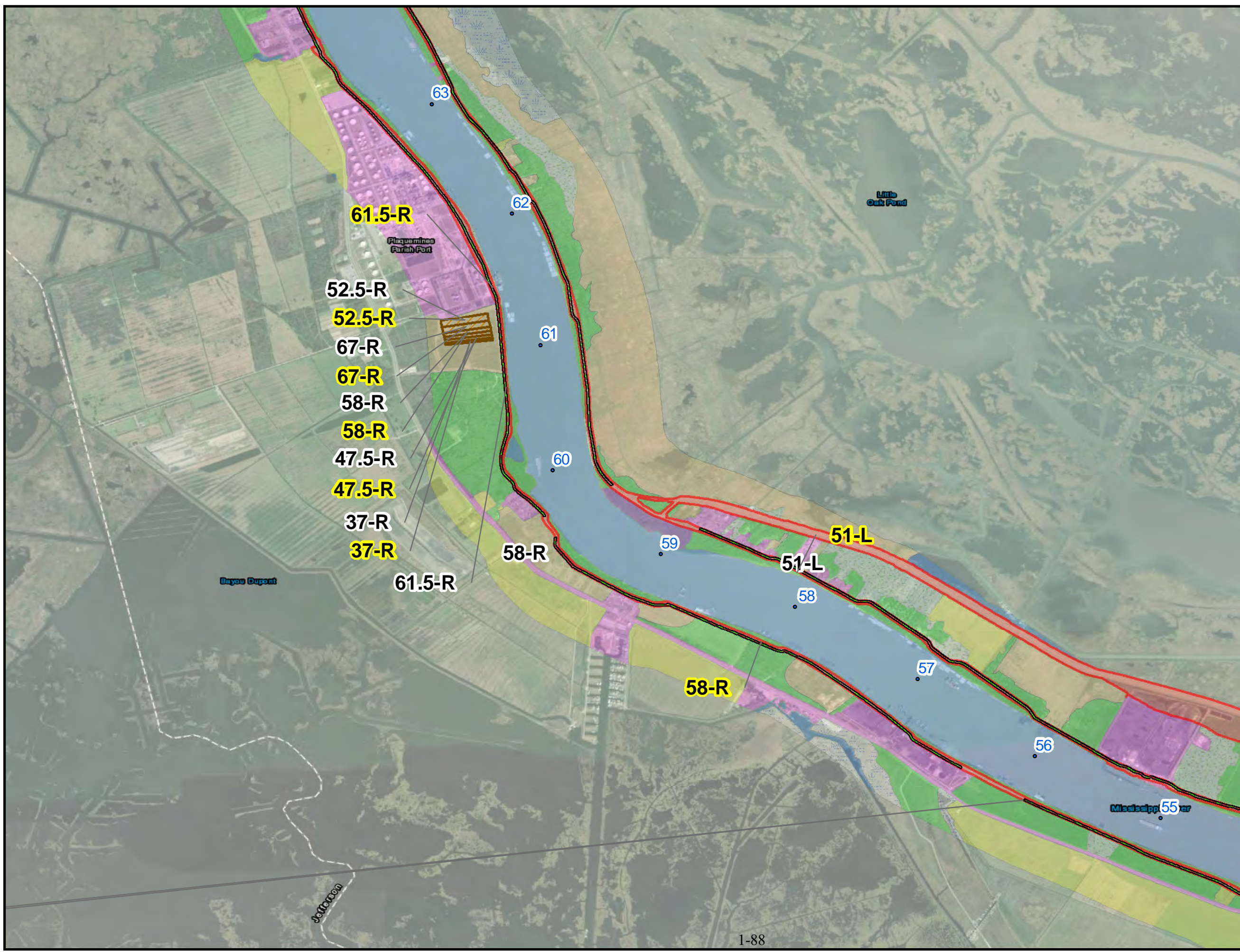
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## Location Map



**US Army Corps of Engineers**  
Mississippi Valley Division

Miles  
0 0.2 0.4 0.8 1.2 1.6



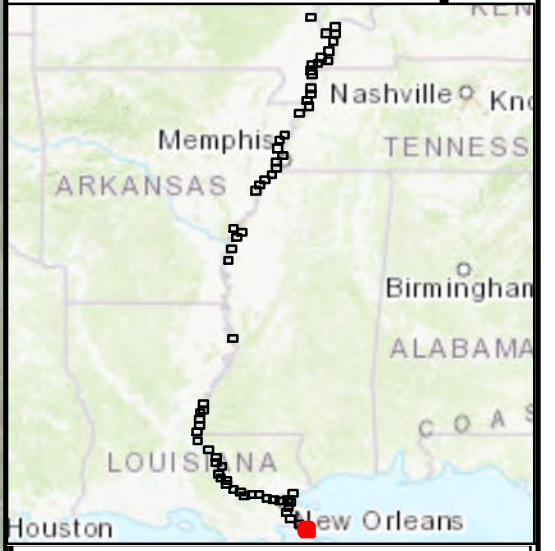
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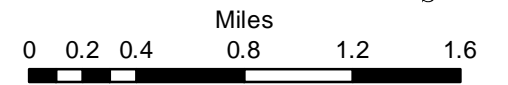
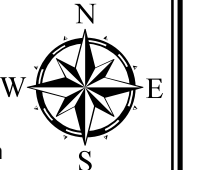
<b>Work Items (Alternatives 2 and 3)</b>		<b>Land Cover 2017</b>	
<b>Features</b>		<b>Classification</b>	
	Levee Enlargement(Raise)		Bottom Land Hardwood
	Seepage Berm		Bare soil
	Slope Flattening		Cropland
	Floodwall Replacement		Levee
	Relief Well		Marsh
	Drainage Ditch		Herbaceous
<b>Alternative 2 (Traditional Construction)</b>			Open Water
<b>Features</b>			Pasture
	Borrow Area		Ridge-Slough Complex
	Haul Roads		Sandbar
<b>Alternative 3 (Avoid and Minimize)</b>			Scrub/Shrub
<b>Features</b>			Tree Plantation
	Borrow Area		Urban
	Haul Roads LS		Levee

Note: Yellow label is for Alternative 2  
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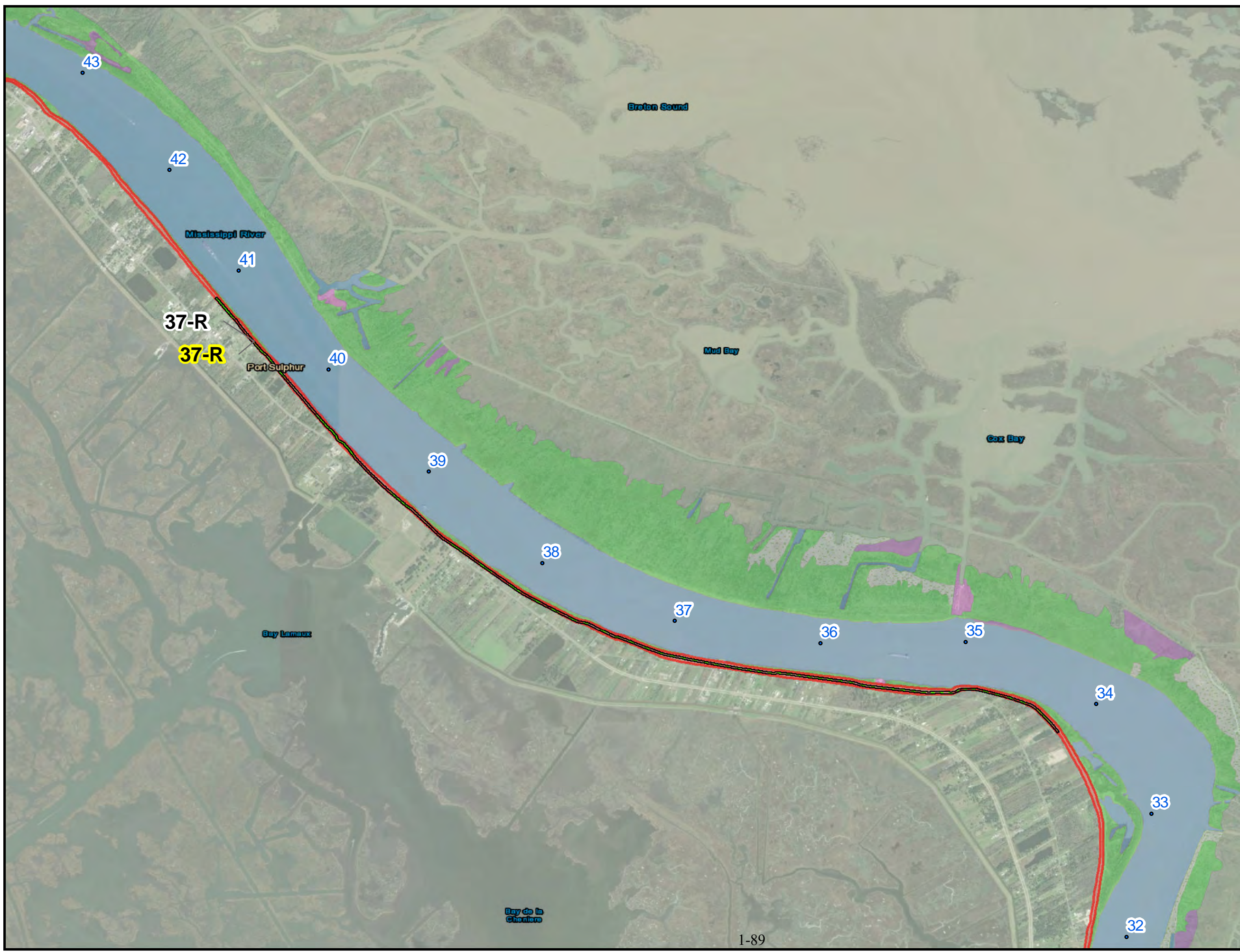
## Location Map



**US Army Corps of Engineers**  
Mississippi Valley Division



**USACE Army Corps of Engineers**  
**Mississippi River Levees**  
**SEIS 2020**  
**Map**  
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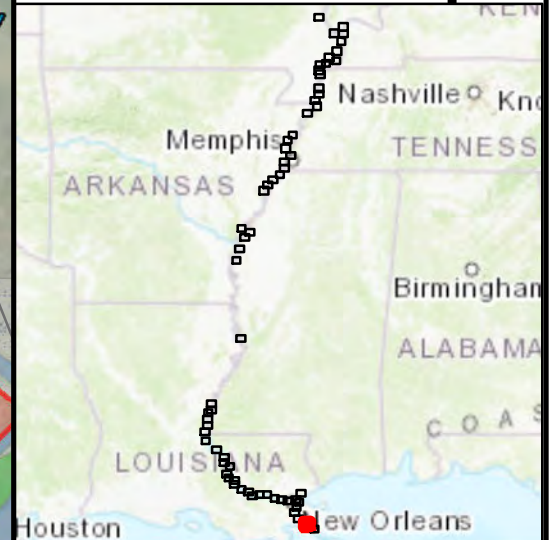
# USACE MRL SEIS 2020

## Legend

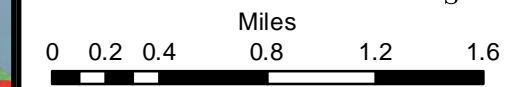
<b>Work Items (Alternatives 2 and 3)</b>	
<b>Features</b>	<b>Land Cover 2017</b>
Levee Enlargement(Raise)	<b>Classification</b>
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<b>Features</b>	Open Water
Borrow Area	Pasture
Haul Roads	Ridge-Slough Complex
<b>Alternative 3 (Avoid and Minimize)</b>	Sandbar
<b>Features</b>	Scrub/Shrub
Borrow Area	Tree Plantation
Haul Roads LS	Urban
	Levee

Note: Yellow label is for Alternative 2  
White label is for Alternative 3

## Location Map



**US Army Corps of Engineers**  
Mississippi Valley Division



**USACE Army Corps of Engineers**  
**Mississippi River Levees**  
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**Map**  
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