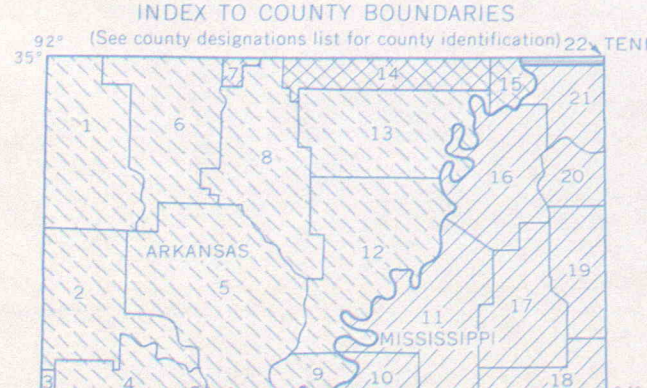


Base prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Completed in 1948 from Western United States 1:250,000 AMS Sheet NI 15-6, 1948, which was revised by photogrammetric methods, utilizing 1938-45 aerial photography. Control by USGS and USGS-65. Map first checked, 1965.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
 — ARKANSAS SOUTH — MISSISSIPPI WEST
 — ARKANSAS NORTH — TENNESSEE

INDEX TO COUNTY BOUNDARIES
 (See county designations list for county identification)



PLANE COORDINATE ZONES
 □ ARKANSAS SOUTH □ MISSISSIPPI WEST
 □ ARKANSAS NORTH □ TENNESSEE

HORIZONTAL CONTROL

Coast & Geodetic Survey
 Monumented Point - First Order
 Monumented Point - Second Order
 Monumented Point - Third Order
 Located Object - Third Order
 See separate index for names of numbered stations
 Station reported not recovered
 Measured Base - Electronic or Taped
 Line of triangulation observed
 Line of triangulation observed from one end only
 Measured Length - Electronic or Taped
 Transit Traverse - Taped Distance Third Order
 Transit Traverse and Leveling Third Order

Geological Survey
 Station reported not recovered
 Measured Base - Electronic or Taped
 Line of triangulation observed
 Line of triangulation observed from one end only
 Measured Length - Electronic or Taped
 Transit Traverse - Taped Distance Third Order
 Transit Traverse and Leveling Third Order

VERTICAL CONTROL

Coast & Geodetic Survey
 First Order
 Second Order
 Third Order

Geological Survey
 First Order
 Second Order
 Third Order

STATE SURVEY CONTROL
 Horizontal or Vertical
 First Order
 Second Order
 Third Order

Scale 1:250,000
 0 5 10 15 20 25 30 Kilometers
 0 5 10 15 20 25 30 Statute Miles

SECTIONIZED TOWNSHIP

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 14 | 13 |
| 18 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

TRANSVERSE MERCATOR PROJECTION

TOWNSHIP OR RANGE LINE
 LAND GRANT BOUNDARY

LEGEND

ROADS
 Hard surface, heavy duty
 More than two lanes wide
 Hard surface, Federal route marker
 More than two lanes wide
 Two lanes wide, State route marker
 Improved light duty
 Unimproved dirt
 Trail

RAILROADS
 Standard gauge
 Narrow gauge
 Boundaries
 International
 State
 County
 Park or reservation

LANDMARKS
 School, Church, Other
 Monument control point
 Spot elevation in feet
 Marsh or swamp
 Intermittent or dry stream
 Power line

COAST AND GEODETIC SURVEY
 THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

| | | | |
|----------|----------|----------|----------|
| 34 091 4 | 34 091 1 | 34 090 4 | 34 090 1 |
| 34 091 3 | 34 091 2 | 34 090 3 | 34 090 2 |

ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM COAST & GEODETIC SURVEY, ESSA, ROCKVILLE, MARYLAND 20852.

COUNTY DESIGNATIONS

1. Lincoln
2. Jefferson
3. Cleveland
4. Lincoln
5. Arkansas
6. Madison
7. Madison
8. Madison
9. DeWitt
10. Boone
11. Dallas
12. Phillips
13. Lee
14. St. Francis
15. Costello
16. Taylor
17. Quitman
18. Tallapoosa
19. Franklin
20. Taylor
21. DeWitt
22. Shelby

GEOLOGICAL SURVEY
 FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 103 | 104 | 105 | 106 | 107 | 108 | 109 |
| 110 | 111 | 112 | 113 | 114 | 115 | 116 |
| 117 | 118 | 119 | 120 | 121 | 122 | 123 |
| 124 | 125 | 126 | 127 | 128 | 129 | 130 |
| 131 | 132 | 133 | 134 | 135 | 136 | 137 |
| 138 | 139 | 140 | 141 | 142 | 143 | 144 |
| 145 | 146 | 147 | 148 | 149 | 150 | 151 |
| 152 | 153 | 154 | 155 | 156 | 157 | 158 |
| 159 | 160 | 161 | 162 | 163 | 164 | 165 |
| 166 | 167 | 168 | 169 | 170 | 171 | 172 |
| 173 | 174 | 175 | 176 | 177 | 178 | 179 |
| 180 | 181 | 182 | 183 | 184 | 185 | 186 |
| 187 | 188 | 189 | 190 | 191 | 192 | 193 |
| 194 | 195 | 196 | 197 | 198 | 199 | 200 |

ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242.

USCOMSARDC NOVEMBER 1968 A-522

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE : JUL 1969

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 1
 QUADS 340901-2-3-4 & 340911-2-3-4
 ARK-MISS
 LATITUDE 34°00' TO 35°00'
 LONGITUDE 90°00' TO 92°00'
 DIAGRAM NI 15-6 HELENA

| KEY NO. | STATION NAME | QUAD. NO. | STATION NO. | KEY NO. | STATION NAME | QUAD. NO. | STATION NO. |
|---------|--|-----------|-------------|---------|---|-----------|-------------|
| 1. | CHARLESTON, MUNICIPAL WATER TANK | | | 13. | HELENA, US ENGINEERS, RADIO MAST HELENA, COUNTY & CITY POLICE, RADIO TOWER | | |
| 2. | ARKANSAS POWER & LIGHT CO, E HIGHLINE TOWER | | | 14. | HELENA, ARKANSAS POWER & LIGHT CO, RADIO TOWER | | |
| 3. | TUTWILER, FEDERAL COMPRESS CO, TANK | | | 15. | HELENA, ARKANSAS POWER & LIGHT CO, W HIGHLINE TOWER | | |
| 4. | TUTWILER, MUNICIPAL WATER TANK | | | 16. | HELENA, RADIO STATION KFFA, SW MAST HELENA, RADIO STATION KFFA, NE MAST HELENA, RADIO STATION KFFA, NW MAST | | |
| 5. | TUTWILER, FIRST PRESBYTERIAN CHURCH, SPIRE | | | 17. | HELENA, RADIO STATION KFFA, SE MAST | | |
| 6. | TEXAS GAS TRANSMISSION CORP RADIO STATION KKE 270, MAST (1956) TEXAS GAS TRANSMISSION CORP RADIO STATION KKE 270, MAST (1957) | | | 18. | W HELENA, PEKIN WOOD PRODUCTS CO, WATER TANK W HELENA, MUNICIPAL WATER TANK | | |
| 7. | HUSTON BM CURRY (MRC) LOST BM BELL (MRC) STATION 1 (MRC) STATION 2 (MRC) | | | 19. | HELENA, ARKANSAS POWER & LIGHT CO, STACK | | |
| 8. | AUSTIN AUSTIN 2 AUSTIN RM 2 STATION 1 (MRC) STATION 3 BM BUD (MRC) BM JIM (MRC) | | | 20. | W HELENA, CHICAGO MILL & LUMBER CO, WATER TANK | | |
| 9. | TUNICA, COTTON OIL MILL, WATER TANK TUNICA, PLANTERS OIL CO, BLACK STACK TUNICA, PLANTERS OIL CO, WHITE TANK | | | 21. | W HELENA, PEKIN WOOD PRODUCTS CO, STACK | | |
| 10. | ADEHO ADEHO RM 1 BM LOWER (MRC) PBM FRIAR PT (MRC) | | | 22. | MARIANNA, FEDERAL COMPRESS CO, WATER TANK | | |
| 11. | HUGHES, MUNICIPAL WATER TANK | | | 23. | MARIANNA, MUNICIPAL WATER TANK | | |
| 12. | HORSE LOST HORSE 2 HORSE RM 2 BM BROCK (MRC) STATION 1 (MRC) | | | 24. | FORREST CITY, RADIO STATION KXJK, MAST | | |
| | | | | 25. | ARKANSAS STATE POLICE, W RADIO MAST | | |
| | | | | 26. | JEFFRIES LOST JEFFRIES RM 2 STATION 1 BM SAYRE 2 (MRC) BM SAYRE 1 (MRC) JEFFRIES 2 | | |
| | | | | 27. | McWILLIAMS LOST McWILLIAMS RM 1 McWILLIAMS 2 STATION 1 BM 30/A (MRC) BM CONWAY (MRC) | | |

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE : JUL 1969

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 2
 QUADS 340901-2-3-4 & 340911-2-3-4
 ARK-MISS
 LATITUDE 34°00' TO 35°00'
 LONGITUDE 90°00' TO 92°00'
 DIAGRAM NI 15-6 HELENA

| KEY NO. | STATION NAME | QUAD. NO. | STATION NO. |
|---------|--|-----------|-------------|
| 28. | MISS-TENN BDY MON NEAR LAKE VIEW | | |
| 29. | LYON, PLANTERS MFG CO, WATER TANK | | |
| 30. | CLARKSDALE, MUNICIPAL WATER TANK | | |
| 31. | CLARKSDALE, FEDERAL COMPRESS NO 1, WATER TANK | | |
| 32. | CLARKSDALE, FEDERAL COMPRESS NO 2, WATER TANK | | |
| 33. | ROCKY TT 4 TN (USGS) | | |
| 34. | JONESTOWN, DELTA OIL MILL, TANK | | |
| 35. | JONESTOWN, MUNICIPAL TANK | | |
| 36. | AIRPORT BEACON, FLETCHER FIELD, CLARKSDALE | | |
| 37. | CLARKSDALE, N DELTA COMPRESS & WAREHOUSE CO, TANK | | |
| 38. | CLARKSDALE, MUNICIPAL TANK 2 | | |
| 39. | CLARKSDALE, RADIO STATION WROX, MAST | | |
| 40. | CLARKSDALE, RADIO STATION WKDL, MAST | | |
| 41. | CLARKSDALE, MUNICIPAL TANK 1 | | |
| 42. | LYON, MUNICIPAL TANK | | |
| 43. | LYON, RADIO STATION KKC 289, MAST | | |
| 44. | MARKS, SMALL MUNICIPAL TANK MARKS, LARGE MUNICIPAL TANK | | |
| 45. | LONGTOWN, TRUNKLINE GAS CO, MICROWAVE MAST | | |
| 46. | GARDINER SYMONDS COMPRESSOR STATION, RADIO STATION KKA 701, MAST | | |
| 47. | HAZEN, ARKANSAS RICE GROWERS COOP ASSN, GRAIN DRIER | | |

| KEY NO. | STATION NAME | QUAD. NO. | STATION NO. |
|---------|---|-----------|-------------|
| 48. | LONOKE LONOKE W BASE | | |
| 49. | DES ARC, ARKANSAS RICE GROWERS COOP ASSN, ELEVATOR | | |
| 50. | DALLAS-LOUISVILLE AIRWAY, BEACON 32 | | |
| 51. | LONOKE, LONOKE COMPRESS CO, TALL WATER TANK LONOKE, LONOKE COMPRESS CO, SHORT WATER TANK | | |
| 52. | CARLISLE, ARKANSAS STATE RICE MILL, TALL TANK CARLISLE, ARKANSAS STATE RICE MILL, SHORT TANK | | |
| 53. | ENGLAND, CITY ICE PLANT, TANK ENGLAND, ARKANSAS, POWER & LIGHT CO, WATER TANK ENGLAND, FEDERAL COMPRESS CO, WATER TANK | | |
| 54. | PINE BLUFF, FEDERAL COMPRESS CO, PLANT 2, W TANK PINE BLUFF, FEDERAL COMPRESS CO, PLANT 2, E TANK PINE BLUFF, RADIO STATION WUG 32, TOWER | | |
| 55. | GRIDER AIRPORT BEACON, GRIDER FIELD, PINE BLUFF | | |
| 56. | PINE BLUFF, STANDPIPE PINE BLUFF, RADIO STATION KKV 722 & KD 6304, MAST | | |
| 57. | PINE BLUFF, INTERNATIONAL PAPER CO, WATER TANK PINE BLUFF, INTERNATIONAL PAPER CO, CENTER STACK | | |
| 58. | PINE BLUFF, ARKANSAS POWER & LIGHT CO, NE TOWER | | |
| 59. | PINE BLUFF, ARKANSAS POWER & LIGHT CO, SW TOWER | | |
| 60. | HUDGINS | | |

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE: JUL 1969

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 3
 QUADS 340901-2-3-4 & 340911-2-3-4
 ARK-MISS
 LATITUDE 34°00' TO 35°00'
 LONGITUDE 90°00' TO 92°00'
 DIAGRAM NI 15-6 HELENA

| KEY NO. | STATION NAME | QUAD. NO. | STATION NO. | KEY NO. | STATION NAME | QUAD. NO. | STATION NO. |
|---------|---|-----------|-------------|---------|---|-----------|-------------|
| 61. | GRIDER FIELD AP STATION A2 | | | 79. | STUTTGART, MUNICIPAL WATER TANK | | |
| 62. | GLARKSDALE, VUMORE CO, MAST | | | 80. | DEWITT, L.A. BLACK RICE MILLING ASSN, E WATER TANK | | |
| 63. | CLARKSDALE, MUNICIPAL WATER TANK NO 3 | | | | DEWITT, L.A. BLACK RICE MILLING ASSN, W WATER TANK | | |
| 64. | CLARKSDALE, RADIO STATION KLO 98, TOWER | | | 81. | DEWITT, SMITH RICE MILL INC, W WATER TANK | | |
| 65. | STOVALL, RADIO STATION KLT 74 & 75, MAST | | | 82. | DEWITT, RADIO STATION KKK 79, TOWER | | |
| 66. | CLARKSDALE, OAKHURST BAPTIST CHURCH, SPIRE | | | 83. | WECKERLE RM 3 | | |
| 67. | MARVELL, MUNICIPAL WATER TANK | | | 84. | CUNEO RM 3 | | |
| 68. | MARVELL, FEDERAL COMPRESS NE WATER TANK MARVELL, FEDERAL COMPRESS SW WATER TANK | | | 85. | LONOKE E BASE RM 3 | | |
| 69. | ST CHARLES AP&L ELECTRIC TRANSMISSION, TOWER ST CHARLES LOT | | | 86. | BIOLOGICAL SURVEY MARK 66 (USDA) | | |
| 70. | BRINKLEY, RADIO STATION KBJ 60, MAST | | | 87. | KING, ANDERSON INC, WATER TANK | | |
| 71. | BISCOE, RADIO STATION KLK 79, TOWER BISCOE, RADIO STATION KLK 79, MAST | | | | | | |
| 72. | HAZEN, MUNICIPAL WATER TANK | | | | | | |
| 73. | STUTTGART, RADIO STATION KWAB, MAST | | | | | | |
| 74. | STUTTGART, RADIO STATION KAA, 0240, MAST STUTTGART ARKANSAS RICE GROWERS COOP, WATER TANK STUTTGART, PRODUCERS RICE MILL INC, WATER TANK | | | | | | |
| 75. | STUTTGART, SOUTHWESTERN STATE MICROWAVE TOWER | | | | | | |
| 76. | STUTTGART RADIO STATION KKD 269, TOWER | | | | | | |
| 77. | STUTTGART, RADIO STATION KKA 652, TOWER | | | | | | |
| 78. | STUTTGART, COMET RICE MILLS INC, S WATER TANK | | | | | | |