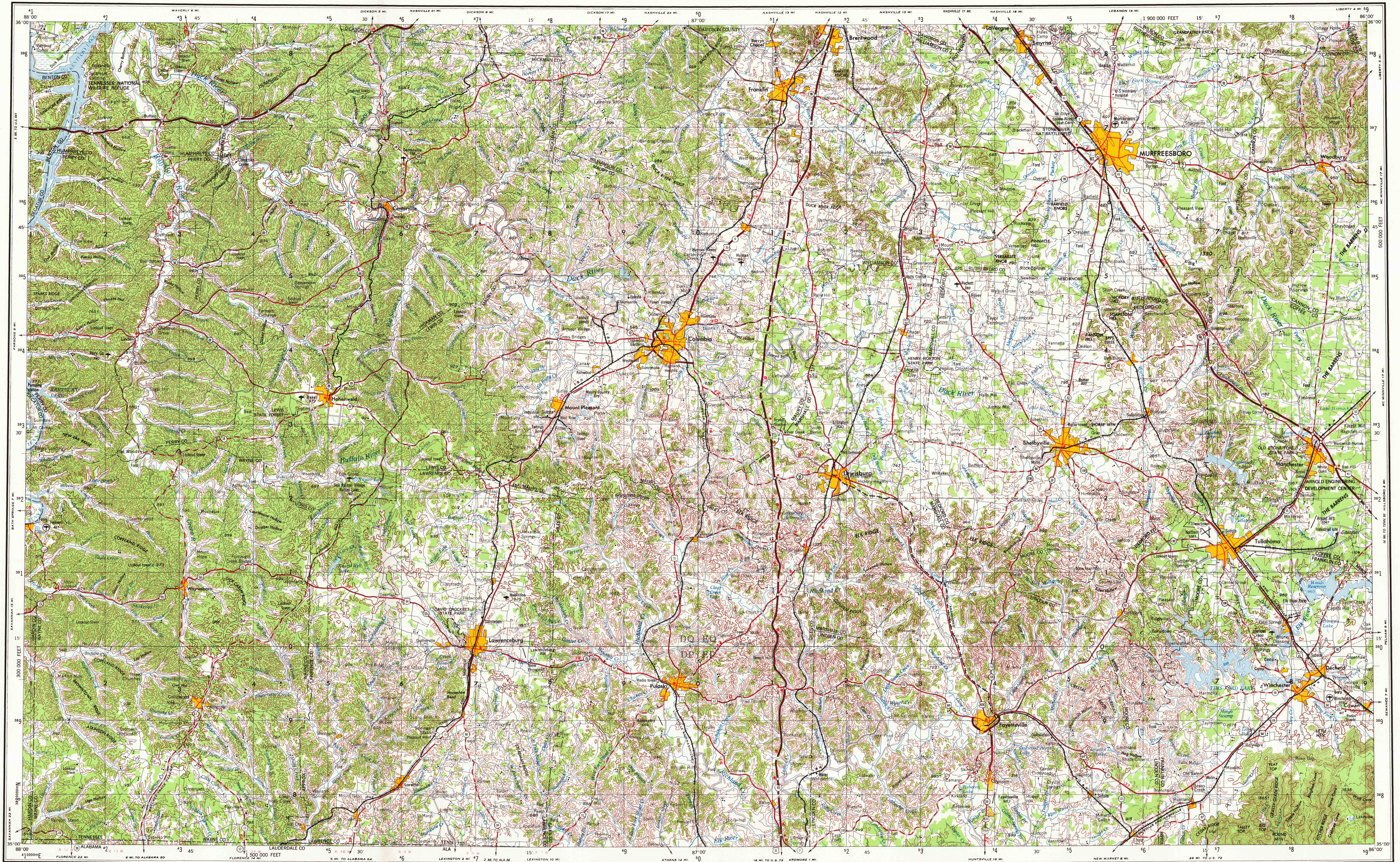




Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1956 by photogrammetric methods and from 1:24,000 and 1:25,000-scale maps dated 1940-56. Planimetry revised in part from photographs taken 1953. Map field checked 1956. Revised by the Geological Survey from aerial photographs taken 1976 and other source data. Revised information not field checked. Map dated 1978.

100,000-foot grid based on Tennessee coordinate system.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

There may be private inholdings within the boundaries of the National or State reservations shown on this map.

LEGEND

Figures in red denote approximate distances in miles between stars.

POPULATED PLACES.

- Over 500,000
- 100,000 to 500,000
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- Less than 1,000

ROADS

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail or dry weather, unimproved surface
- Interchange
- Route markers: Interstate, U.S., State

RAILROADS

- Standard gauge
- Narrow gauge
- Landplane airport
- Seaplane airport
- Seaplane anchorage
- Park or reservation

BOUNDARIES

- International
- State
- County

Other features:

- Marsh or swamp
- Intermittent or dry stream
- Woods-brushwood
- Power line
- Landmark: School, Church, Other
- Spot elevation in feet

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 100 FEET
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 2° (40 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 0° (0 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092

LOCATION DIAGRAM

MISSOURI	ILLINOIS	INDIANA	KENTUCKY	VA	NC
NI 159	NI 160	NI 161	NI 162	NI 163	NI 164
NI 158	NI 159	NI 160	NI 161	NI 162	NI 163
NI 157	NI 158	NI 159	NI 160	NI 161	NI 162
NI 156	NI 157	NI 158	NI 159	NI 160	NI 161
NI 155	NI 156	NI 157	NI 158	NI 159	NI 160
NI 154	NI 155	NI 156	NI 157	NI 158	NI 159
NI 153	NI 154	NI 155	NI 156	NI 157	NI 158
NI 152	NI 153	NI 154	NI 155	NI 156	NI 157
NI 151	NI 152	NI 153	NI 154	NI 155	NI 156
NI 150	NI 151	NI 152	NI 153	NI 154	NI 155
NI 149	NI 150	NI 151	NI 152	NI 153	NI 154
NI 148	NI 149	NI 150	NI 151	NI 152	NI 153
NI 147	NI 148	NI 149	NI 150	NI 151	NI 152
NI 146	NI 147	NI 148	NI 149	NI 150	NI 151
NI 145	NI 146	NI 147	NI 148	NI 149	NI 150
NI 144	NI 145	NI 146	NI 147	NI 148	NI 149
NI 143	NI 144	NI 145	NI 146	NI 147	NI 148
NI 142	NI 143	NI 144	NI 145	NI 146	NI 147
NI 141	NI 142	NI 143	NI 144	NI 145	NI 146
NI 140	NI 141	NI 142	NI 143	NI 144	NI 145
NI 139	NI 140	NI 141	NI 142	NI 143	NI 144
NI 138	NI 139	NI 140	NI 141	NI 142	NI 143
NI 137	NI 138	NI 139	NI 140	NI 141	NI 142
NI 136	NI 137	NI 138	NI 139	NI 140	NI 141
NI 135	NI 136	NI 137	NI 138	NI 139	NI 140
NI 134	NI 135	NI 136	NI 137	NI 138	NI 139
NI 133	NI 134	NI 135	NI 136	NI 137	NI 138
NI 132	NI 133	NI 134	NI 135	NI 136	NI 137
NI 131	NI 132	NI 133	NI 134	NI 135	NI 136
NI 130	NI 131	NI 132	NI 133	NI 134	NI 135
NI 129	NI 130	NI 131	NI 132	NI 133	NI 134
NI 128	NI 129	NI 130	NI 131	NI 132	NI 133
NI 127	NI 128	NI 129	NI 130	NI 131	NI 132
NI 126	NI 127	NI 128	NI 129	NI 130	NI 131
NI 125	NI 126	NI 127	NI 128	NI 129	NI 130
NI 124	NI 125	NI 126	NI 127	NI 128	NI 129
NI 123	NI 124	NI 125	NI 126	NI 127	NI 128
NI 122	NI 123	NI 124	NI 125	NI 126	NI 127
NI 121	NI 122	NI 123	NI 124	NI 125	NI 126
NI 120	NI 121	NI 122	NI 123	NI 124	NI 125
NI 119	NI 120	NI 121	NI 122	NI 123	NI 124
NI 118	NI 119	NI 120	NI 121	NI 122	NI 123
NI 117	NI 118	NI 119	NI 120	NI 121	NI 122
NI 116	NI 117	NI 118	NI 119	NI 120	NI 121
NI 115	NI 116	NI 117	NI 118	NI 119	NI 120
NI 114	NI 115	NI 116	NI 117	NI 118	NI 119
NI 113	NI 114	NI 115	NI 116	NI 117	NI 118
NI 112	NI 113	NI 114	NI 115	NI 116	NI 117
NI 111	NI 112	NI 113	NI 114	NI 115	NI 116
NI 110	NI 111	NI 112	NI 113	NI 114	NI 115
NI 109	NI 110	NI 111	NI 112	NI 113	NI 114
NI 108	NI 109	NI 110	NI 111	NI 112	NI 113
NI 107	NI 108	NI 109	NI 110	NI 111	NI 112
NI 106	NI 107	NI 108	NI 109	NI 110	NI 111
NI 105	NI 106	NI 107	NI 108	NI 109	NI 110
NI 104	NI 105	NI 106	NI 107	NI 108	NI 109
NI 103	NI 104	NI 105	NI 106	NI 107	NI 108
NI 102	NI 103	NI 104	NI 105	NI 106	NI 107
NI 101	NI 102	NI 103	NI 104	NI 105	NI 106
NI 100	NI 101	NI 102	NI 103	NI 104	NI 105
NI 99	NI 100	NI 101	NI 102	NI 103	NI 104
NI 98	NI 99	NI 100	NI 101	NI 102	NI 103
NI 97	NI 98	NI 99	NI 100	NI 101	NI 102
NI 96	NI 97	NI 98	NI 99	NI 100	NI 101
NI 95	NI 96	NI 97	NI 98	NI 99	NI 100
NI 94	NI 95	NI 96	NI 97	NI 98	NI 99
NI 93	NI 94	NI 95	NI 96	NI 97	NI 98
NI 92	NI 93	NI 94	NI 95	NI 96	NI 97
NI 91	NI 92	NI 93	NI 94	NI 95	NI 96
NI 90	NI 91	NI 92	NI 93	NI 94	NI 95
NI 89	NI 90	NI 91	NI 92	NI 93	NI 94
NI 88	NI 89	NI 90	NI 91	NI 92	NI 93
NI 87	NI 88	NI 89	NI 90	NI 91	NI 92
NI 86	NI 87	NI 88	NI 89	NI 90	NI 91
NI 85	NI 86	NI 87	NI 88	NI 89	NI 90
NI 84	NI 85	NI 86	NI 87	NI 88	NI 89
NI 83	NI 84	NI 85	NI 86	NI 87	NI 88
NI 82	NI 83	NI 84	NI 85	NI 86	NI 87
NI 81	NI 82	NI 83	NI 84	NI 85	NI 86
NI 80	NI 81	NI 82	NI 83	NI 84	NI 85
NI 79	NI 80	NI 81	NI 82	NI 83	NI 84
NI 78	NI 79	NI 80	NI 81	NI 82	NI 83
NI 77	NI 78	NI 79	NI 80	NI 81	NI 82
NI 76	NI 77	NI 78	NI 79	NI 80	NI 81
NI 75	NI 76	NI 77	NI 78	NI 79	NI 80
NI 74	NI 75	NI 76	NI 77	NI 78	NI 79
NI 73	NI 74	NI 75	NI 76	NI 77	NI 78
NI 72	NI 73	NI 74	NI 75	NI 76	NI 77
NI 71	NI 72	NI 73	NI 74	NI 75	NI 76
NI 70	NI 71	NI 72	NI 73	NI 74	NI 75
NI 69	NI 70	NI 71	NI 72	NI 73	NI 74
NI 68	NI 69	NI 70	NI 71	NI 72	NI 73
NI 67	NI 68	NI 69	NI 70	NI 71	NI 72
NI 66	NI 67	NI 68	NI 69	NI 70	NI 71
NI 65	NI 66	NI 67	NI 68	NI 69	NI 70
NI 64	NI 65	NI 66	NI 67	NI 68	NI 69
NI 63	NI 64	NI 65	NI 66	NI 67	NI 68
NI 62	NI 63	NI 64	NI 65	NI 66	NI 67
NI 61	NI 62	NI 63	NI 64	NI 65	NI 66
NI 60	NI 61	NI 62	NI 63	NI 64	NI 65
NI 59	NI 60	NI 61	NI 62	NI 63	NI 64
NI 58	NI 59	NI 60	NI 61	NI 62	NI 63
NI 57	NI 58	NI 59	NI 60	NI 61	NI 62
NI 56	NI 57	NI 58	NI 59	NI 60	NI 61
NI 55	NI 56	NI 57	NI 58	NI 59	NI 60
NI 54	NI 55	NI 56	NI 57	NI 58	NI 59
NI 53	NI 54	NI 55	NI 56	NI 57	NI 58
NI 52	NI 53	NI 54	NI 55	NI 56	NI 57
NI 51	NI 52	NI 53	NI 54	NI 55	NI 56
NI 50	NI 51	NI 52	NI 53	NI 54	NI 55
NI 49	NI 50	NI 51	NI 52	NI 53	NI 54
NI 48	NI 49	NI 50	NI 51	NI 52	NI 53
NI 47	NI 48	NI 49	NI 50	NI 51	NI 52
NI 46	NI 47	NI 48	NI 49	NI 50	NI 51
NI 45	NI 46	NI 47	NI 48	NI 49	NI 50
NI 44	NI 45	NI 46	NI 47	NI 48	NI 49
NI 43	NI 44	NI 45	NI 46	NI 47	NI 48
NI 42	NI 43	NI 44	NI 45	NI 46	NI 47
NI 41	NI 42	NI 43	NI 44	NI 45	NI 46
NI 40	NI 41	NI 42	NI 43	NI 44	NI 45
NI 39	NI 40	NI 41	NI 42	NI 43	NI 44
NI 38	NI 39	NI 40	NI 41	NI 42	NI 43
NI 37	NI 38	NI 39	NI 40	NI 41	NI 42
NI 36	NI 37	NI 38	NI 39	NI 40	NI 41
NI 35	NI 36	NI 37	NI 38	NI 39	NI 40
NI 34	NI 35	NI 36	NI 37	NI 38	NI 39
NI 33	NI 34	NI 35	NI 36	NI 37	NI 38
NI 32	NI 33	NI 34	NI 35	NI 36	NI 37
NI 31	NI 32	NI 33	NI 34	NI 35	NI 36
NI 30	NI 31	NI 32	NI 33	NI 34	NI 35
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NI 28	NI 29	NI 30	NI 31	NI 32	NI 33
NI 27	NI 28	NI 29	NI 30	NI 31	NI 32
NI 26	NI 27	NI 28	NI 29	NI 30	NI 31
NI 25	NI 26	NI 27	NI 28	NI 29	NI 30
NI 24	NI 25	NI 26	NI 27	NI 28	NI 29
NI 23	NI 24	NI 25	NI 26	NI 27	NI 28
NI 22	NI 23	NI 24	NI 25	NI 26	NI 27
NI 21	NI 22	NI 23	NI 24	NI 25	NI 26
NI 20	NI 21	NI 22	NI 23	NI 24	NI 25
NI 19	NI 20	NI 21	NI 22	NI 23	NI 24
NI 18	NI 19	NI 20	NI 21	NI 22	NI 23
NI 17	NI 18	NI 19	NI 20	NI 21	NI 22
NI 16	NI 17	NI 18	NI 19	NI 20	NI 21
NI 15	NI 16	NI 17	NI 18	NI 19	NI 20
NI 14	NI 15	NI 16	NI 17	NI 18	NI 19
NI 13	NI 14	NI 15	NI 16	NI 17	NI 18
NI 12	NI 13	NI 14	NI 15	NI 16	NI 17
NI 11	NI 12	NI 13	NI 14	NI 15	NI 16
NI 10	NI 11	NI 12	NI 13	NI 14	NI 15
NI 9	NI 10	NI 11	NI 12	NI 13	NI 14
NI 8	NI 9	NI 10	NI 11	NI 12	NI 13
NI 7	NI 8	NI 9	NI 10	NI 11	NI 12
NI 6	NI 7	NI 8	NI 9	NI 10	NI 11
NI 5	NI 6	NI 7	NI 8	NI 9	NI 10
NI 4	NI 5	NI 6	NI 7	NI 8	NI 9
NI 3	NI 4	NI 5	NI 6	NI 7	NI 8
NI 2	NI 3	NI 4	NI 5	NI 6	NI 7
NI 1	NI 2	NI 3	NI 4	NI 5	NI 6
NI 0	NI 1	NI 2	NI 3	NI 4	NI 5

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

APR 14 1978

GRID ZONE DESIGNATION: 16S

100,000 M. SQUARE IDENTIFICATION

TO OBTAIN A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

GRID ZONE DESIGNATION: 16S

1. Read letters identifying 100,000 meter square in which the point lies.

2. Locate first vertical grid line to LEFT of the point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself.

3. Estimate tenths from grid line to point: a. Look for a HORIZONTAL line below the point and read LARGE figure labeling the line either in the left or right margin, or on the line itself. b. Estimate tenths from grid line to point: c. If no horizontal line is shown, estimate tenths from grid line to point.

SAMPLE REFERENCE:

1. If no horizontal line is shown, estimate tenths from grid line to point.

2. If no horizontal line is shown, estimate tenths from grid line to point.

3. If no horizontal line is shown, estimate tenths from grid line to point.

4. If no horizontal line is shown, estimate tenths from grid line to point.

5. If no horizontal line is shown, estimate tenths from grid line to point.

6. If no horizontal line is shown, estimate tenths from grid line to point.

7. If no horizontal line is shown, estimate tenths from grid line to point.

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40. If no horizontal line is shown, estimate tenths from grid line to point.

41. If no horizontal line is shown, estimate tenths