



Base prepared by the U. S. Army Map Service (AMS), Corps of Engineers, Washington, D. C. Compiled in 1953 by photogrammetric methods by reference to Minnesota County Highway Maps, 1950 and Iowa County Highway Maps, 1955. Horizontal and vertical control by USCGS, USGS, and CE. Map field checked, 1954.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

- MINNESOTA SOUTH - IOWA NORTH
- INDEX TO COUNTY BOUNDARIES
- MINNESOTA
- IOWA
- PLANE COORDINATE ZONES
- MINNESOTA SOUTH IOWA NORTH

HORIZONTAL CONTROL

- Coast & Geodetic Survey: Monumented Point - First Order, Monumented Point - Second Order, Monumented Point - Third Order, Located Object - 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, Theodolite Traverse - Electronic Distance, 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

SCALE

Scale 1:250,000

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
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, medium duty
- More than two lanes wide
- State route marker
- Improved light duty
- Unimproved dirt
- Trail

RAILROADS

- Standard gauge
- Narrow gauge
- Intermittent
- State
- County
- Park or reservation

LANDMARKS

- School; Church; Other
- Horizontal 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

43 095 4	43 095 1	43 094 4	43 094 1
43 095 3	43 095 2	43 094 3	43 094 2

COUNTY DESIGNATIONS

INDEX TO COUNTY BOUNDARIES

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

GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

247	248	249	250	251	252	253	254
255	256	257	258	259	260	261	262
263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278

ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D. C.

ORDER CONTROL DATA IN RED BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON 25, D. C.

USCOM CGS DC - A 505

FAIRMONT, MINNESOTA - IOWA (NK 15-1) NOVEMBER 1963

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE JUL 1966

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

QUADS 430941-2-3-4& 430951-2-3-4
 IOWA-MINN
 LATITUDE 43° 00' TO 44° 00'
 LONGITUDE 94° 00' TO 96° 00'
 DIAGRAM NK 15-1 FAIRMOUNT

KEY NO	STATION NAME	QUAD NO	STATION NO
1	BLUE EARTH CATHOLIC CHURCH SPIRE	430941	1025
1	BLUE EARTH WATER TANK	430941	1028
2	BLUE EARTH COURTHOUSE SPIRE	430941	1026
3	BLUE EARTH RIGID BUILDING FLAGPOLE	430941	1027
4	FAIRMONT CANNERY SMOKESTACK	430941	1031
4	FAIRMONT SQUARE SMOKESTACK	430941	1037
5	FAIRMONT CATHOLIC CHURCH SPIRE	430941	1032
6	FAIRMONT COURTHOUSE SPIRE	430941	1034
7	FAIRMONT LIGHT AND POWER CO SMOKESTACK	430941	1035
7	FAIRMONT SHORT STACK	430941	1012
7	FAIRMONT TALL STACK	430941	1014
7	FAIRMONT WATER TANK	430941	1038
7	FAIRMONT WEST WATER TANK	430941	1013
8	WELCOME LUTHERAN CHURCH SPIRE	430944	1043
9	JACKSON COAL TIPPLE	430944	1032
9	JACKSON SMOKESTACK	430944	1033
10	JACKSON STEEL WATER TANK	430944	1034
11	ST JAMES CSPMU RR ROUNDHOUSE STACK	430944	1037
11	ST JAMES MUNICIPAL STANDPIPE	430944	1039
12	EMMETSBURG	430943	1001
15	Wilmington Catholic Church Spire	430954	1024
12	EMMETSBURG COUNTY COURTHOUSE TOWER	430943	1014
12	EMMETSBURG ST THOMAS CATH CHURCH DOME	430943	1015
13	ADRIAN MUNICIPAL WATER TANK 1961	430954	1010
13	ADRIAN MUNICIPAL WATER TANK 1949	430954	1018
14	ADRIAN ST ADRIANS CATHOLIC CHURCH SPIRE	430954	1020
16	Worthington Courthouse Spire	430954	1028
14	ADRIAN ST ADRIANS CATHOLIC SCHOOL BELFRY	430954	1019
17	HERON LK SACRED HEART CATH CHURCH NW DOME	430951	1010
17	HERON LK SACRED HEART CATH CHURCH SE DOME	430951	1011
18	LAKEFIELD CHURCH STEEPLE	430951	1030
18	LAKEFIELD ELECTRIC LIGHT/WATERWORKS TANK	430951	1012
16	Worthington Power Plant Smokestack	430954	1030
18	LAKEFIELD WHITE WATER TANK	430951	1031
19	SHELDON MUNICIPAL WATER TANK	430953	1014
19	SHELDON ST PATRICK CATH CH WEST SPIRE	430953	1016
19	SHELDON ST PATRICK CATH CH EAST SPIRE	430953	1015
20	WELCOME AZIMUTH MARK MHD	430944	1005
21	FAIRMONT CONGREGATIONAL CHURCH SPIRE	430941	1033
22	Wilmington Farmers Elevator	430954	1025
22	Wilmington Municipal Water Tank	430954	1026
22	Wilmington White Water Tank	430954	1027

KEY NO	STATION NAME	QUAD NO	STATION NO
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