

## Appendix D

### Aerial Photographs & Historic Maps



**USACE - Fargo Phase I ESA**

USACE - Fargo Phase I ESA

West Fargo, ND 58078

Inquiry Number: 2822805.2

July 22, 2010

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

7/21/10

**Site Name:**

USACE - Fargo Phase I ESA  
USACE - Fargo Phase I ESA  
West Fargo, ND 58078

**Client Name:**

Stanley Consultants  
2658 Crosspark Road  
Coralville, IA 52241



EDR Inquiry # 2822805.2

Contact: Melissa Tiedemann

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Stanley Consultants were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** USACE - Fargo Phase I ESA  
**Address:** USACE - Fargo Phase I ESA  
**City, State, Zip:** West Fargo, ND 58078  
**Cross Street:**  
**P.O. #** 22149.11  
**Project:** 22149.11  
**Certification #** 9FB7-4CAD-BAAD



Sanborn® Library search results  
Certification # 9FB7-4CAD-BAAD

## UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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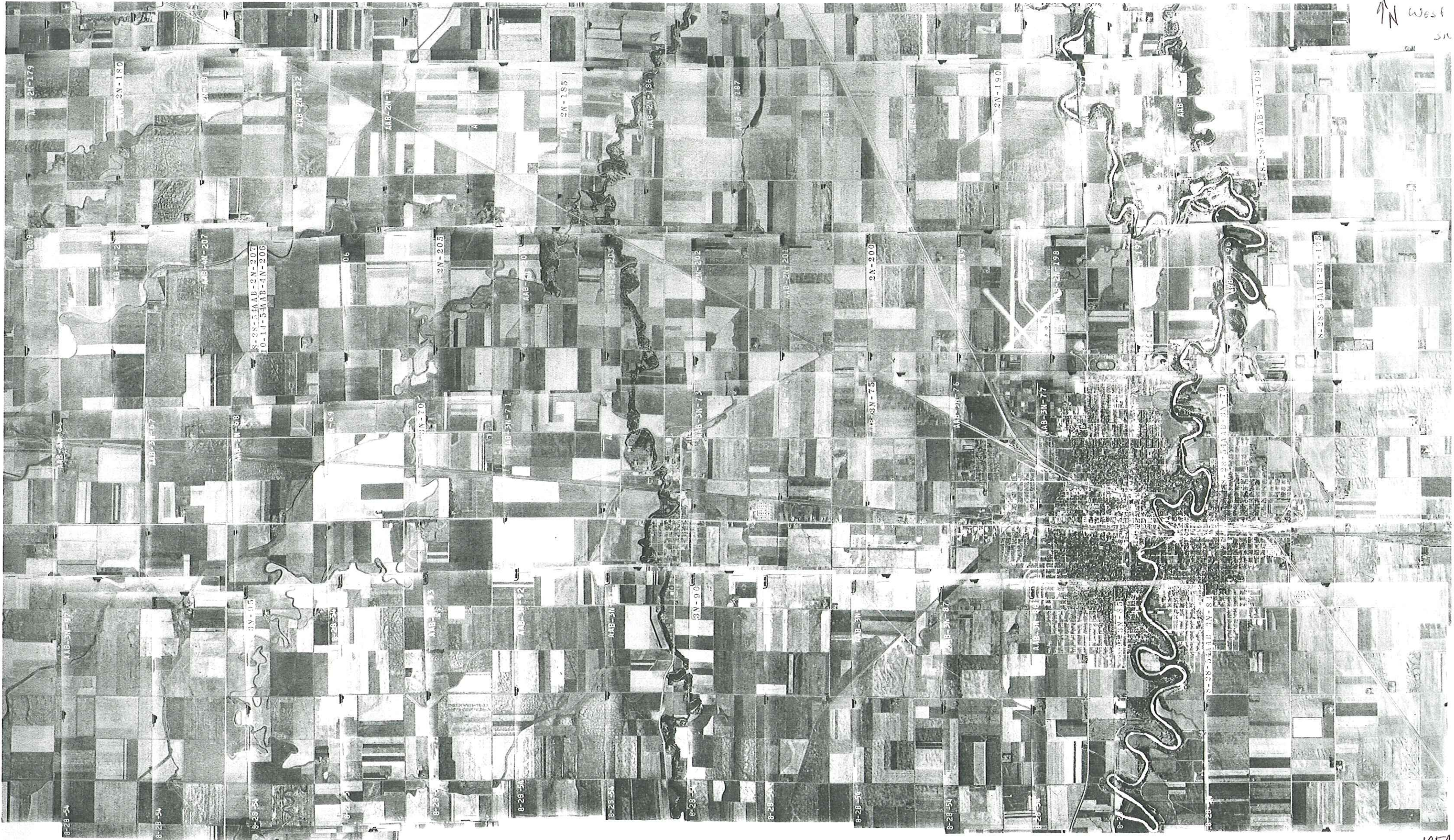
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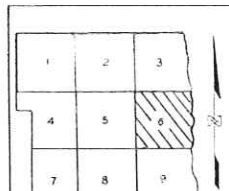
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1954



U S DEPARTMENT OF A  
COMMODITY STABILIZAT  
CASS COUNTY N  
COUNTY SYMB \_AAB\_ STATE N M C S S  
SCALE 1:20,000, BY A. C. PETERSON, 10-21-54.  
PICKETT SURVEYING, INC.



1954

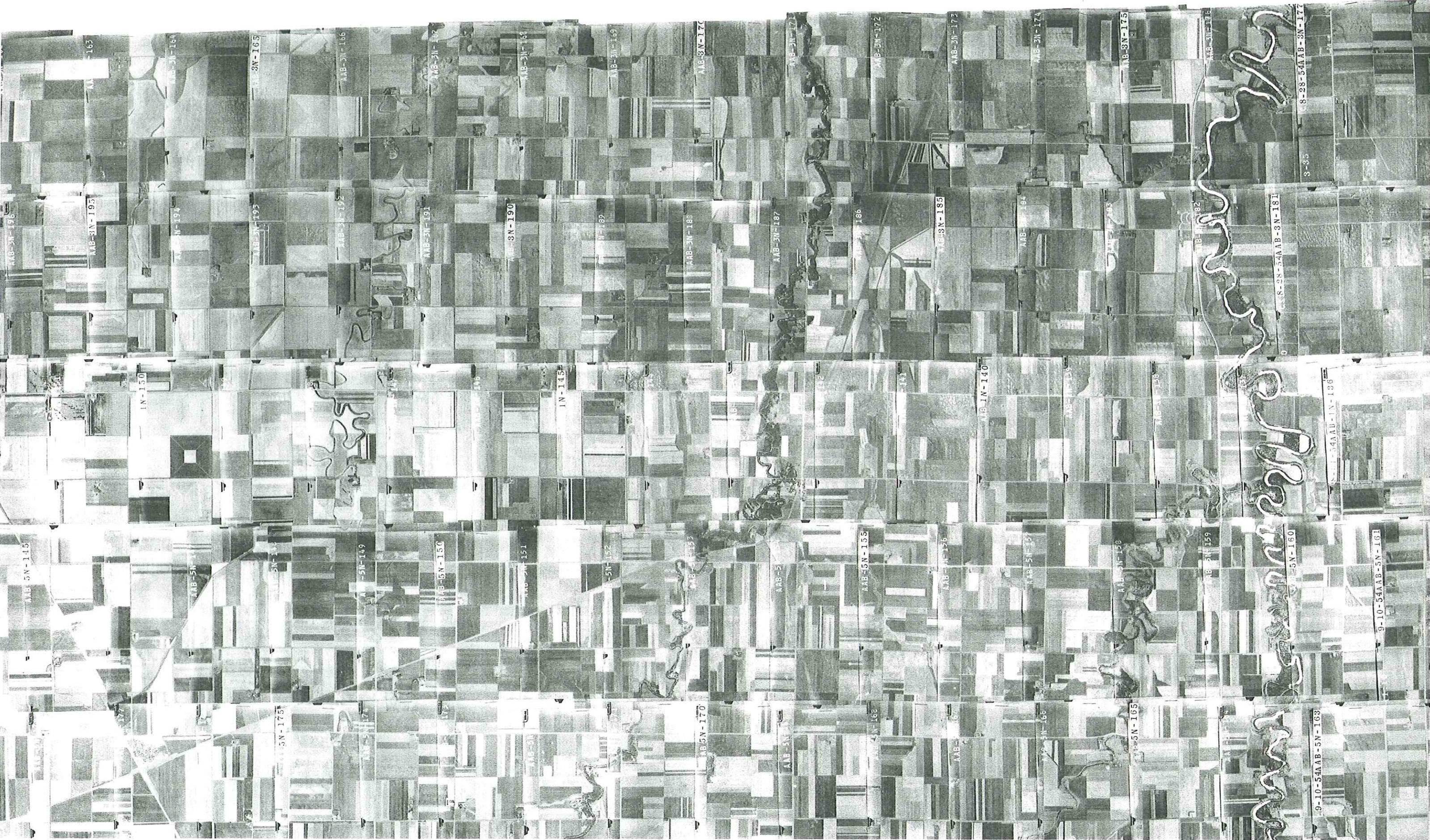
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AN 1954

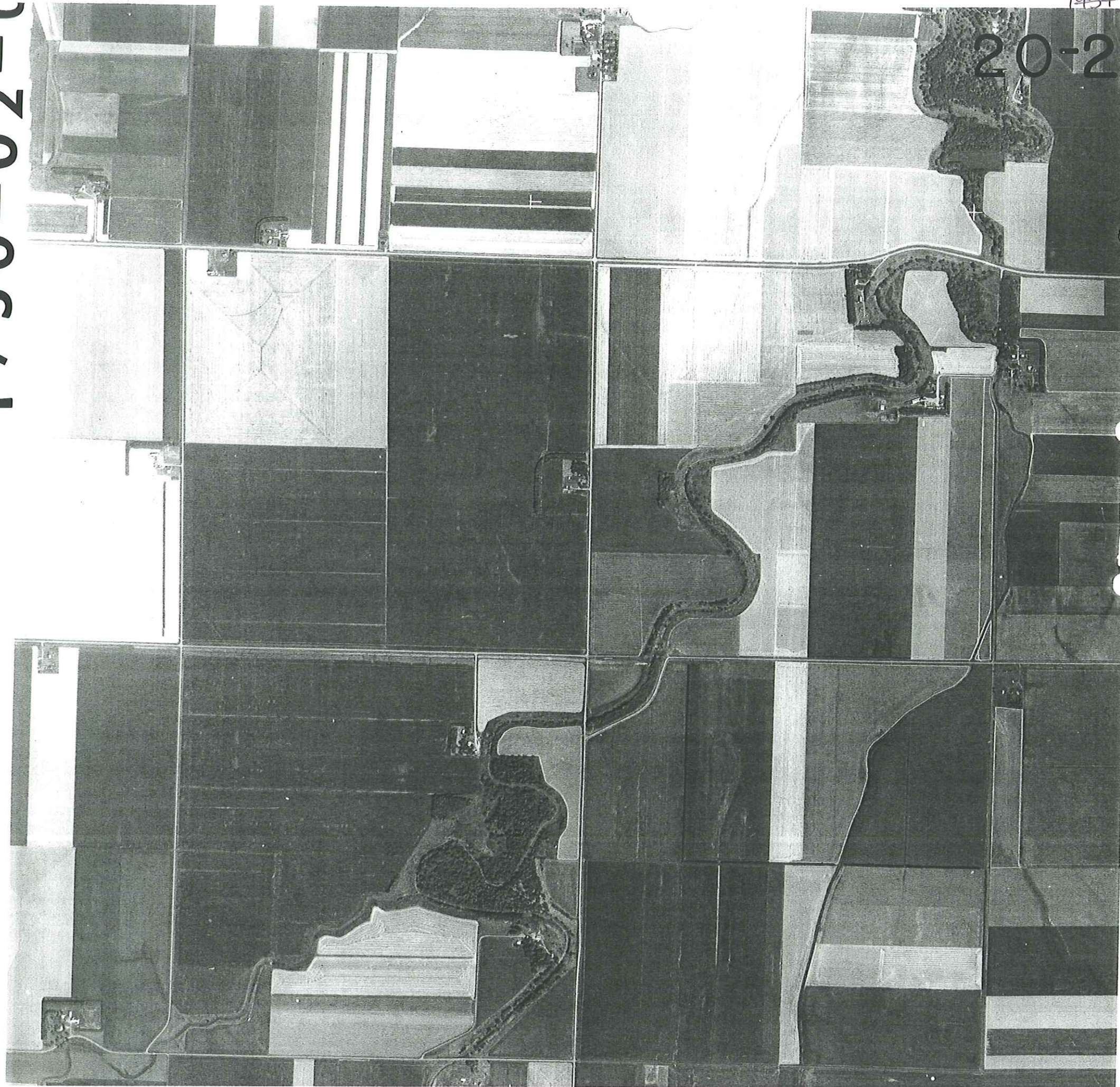








1730-21



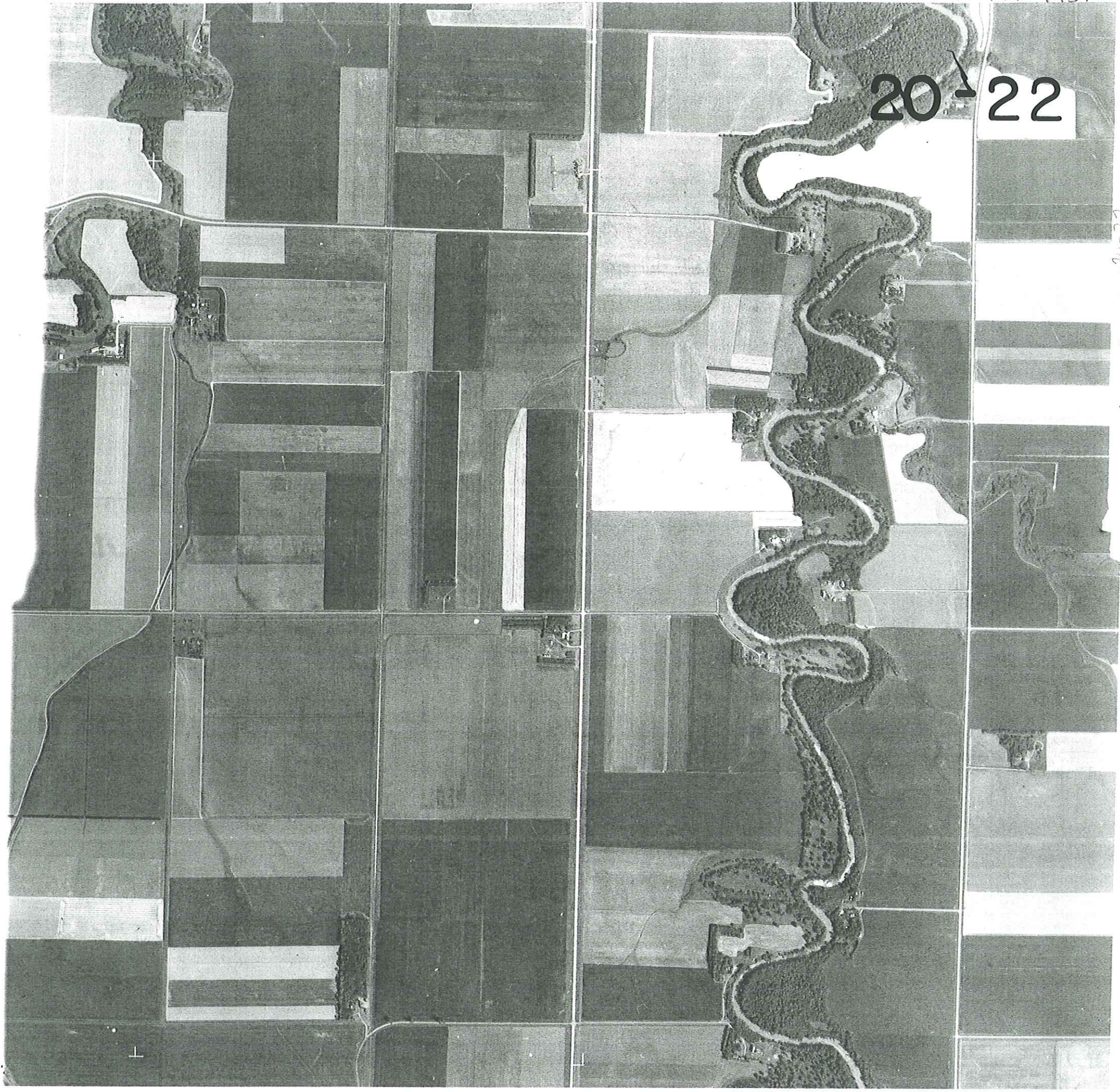
1954-1972

20-21

A | B | 1 | M | M | 4 | 6 | 0



1730-02-



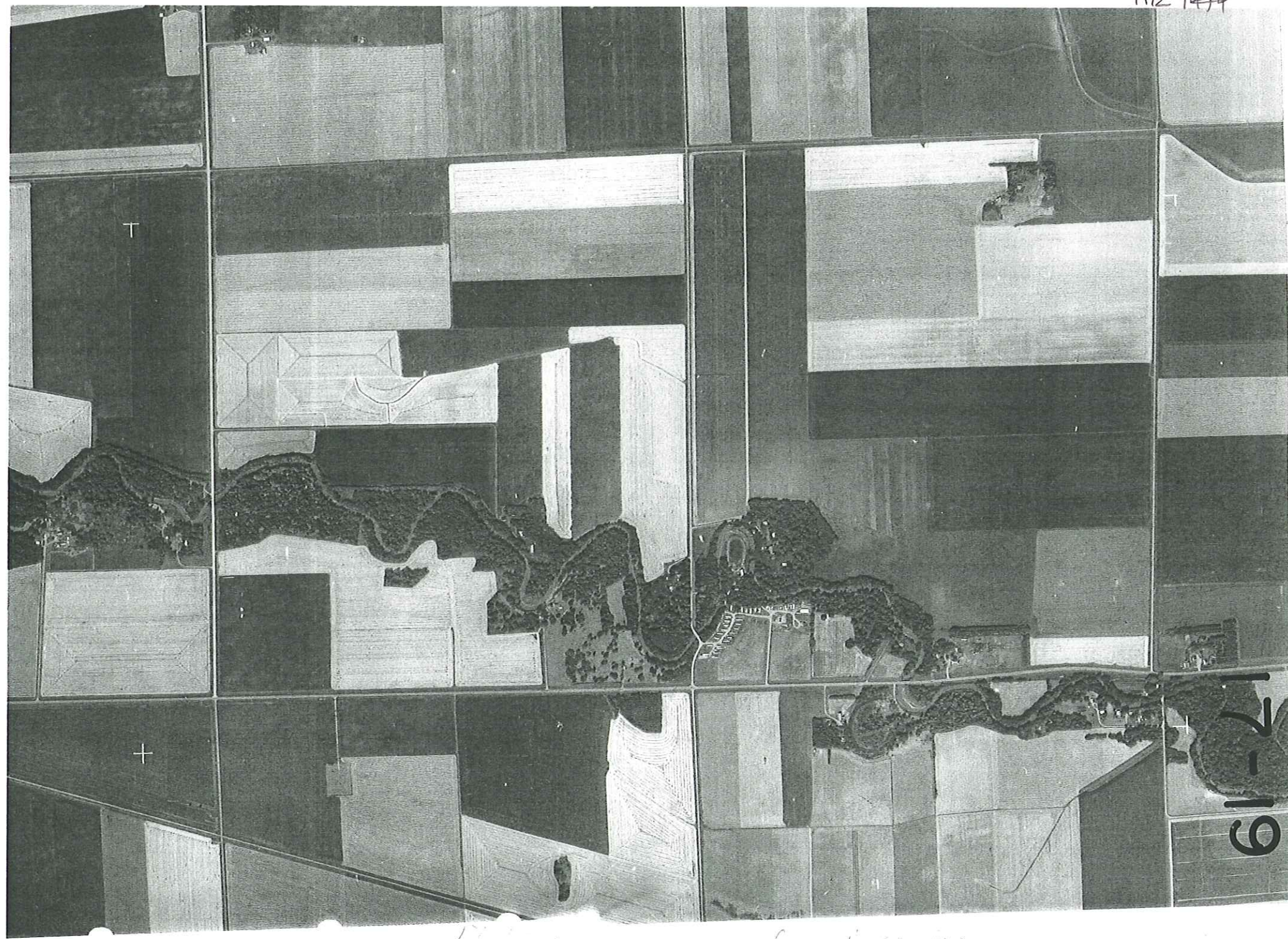
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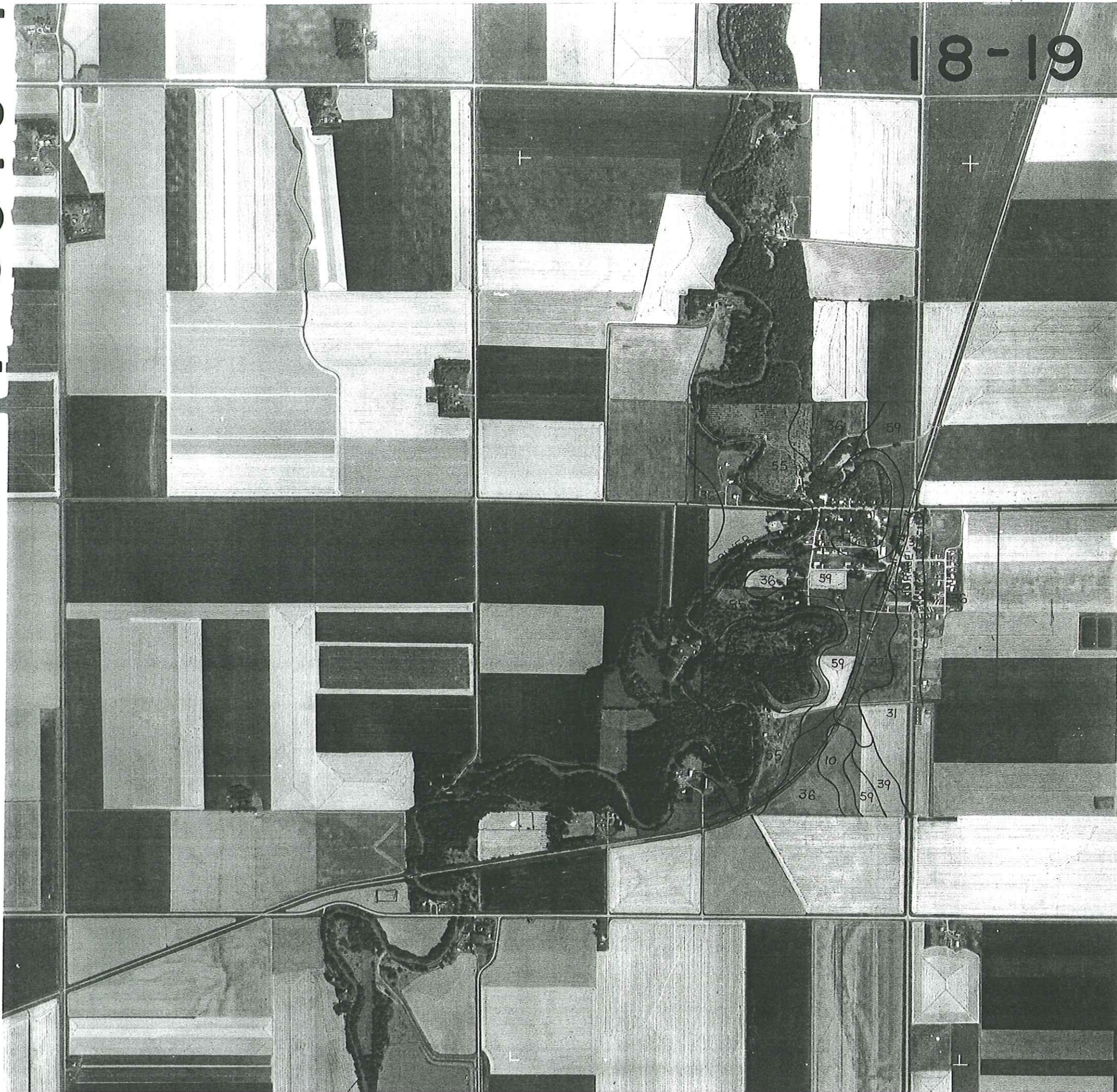
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copy for map Aug. 20 mi E. & W.



PHOTOGRAPH



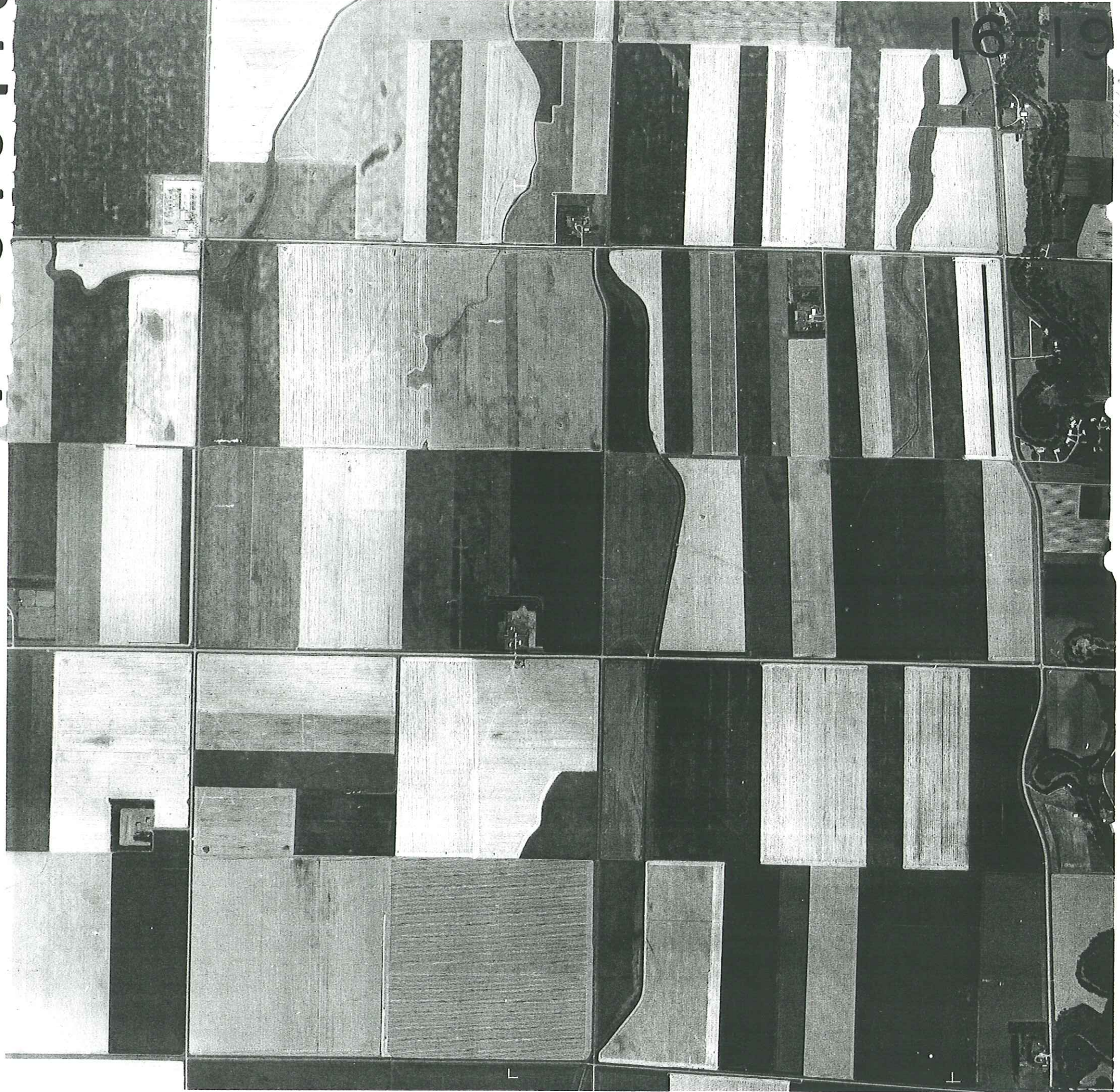
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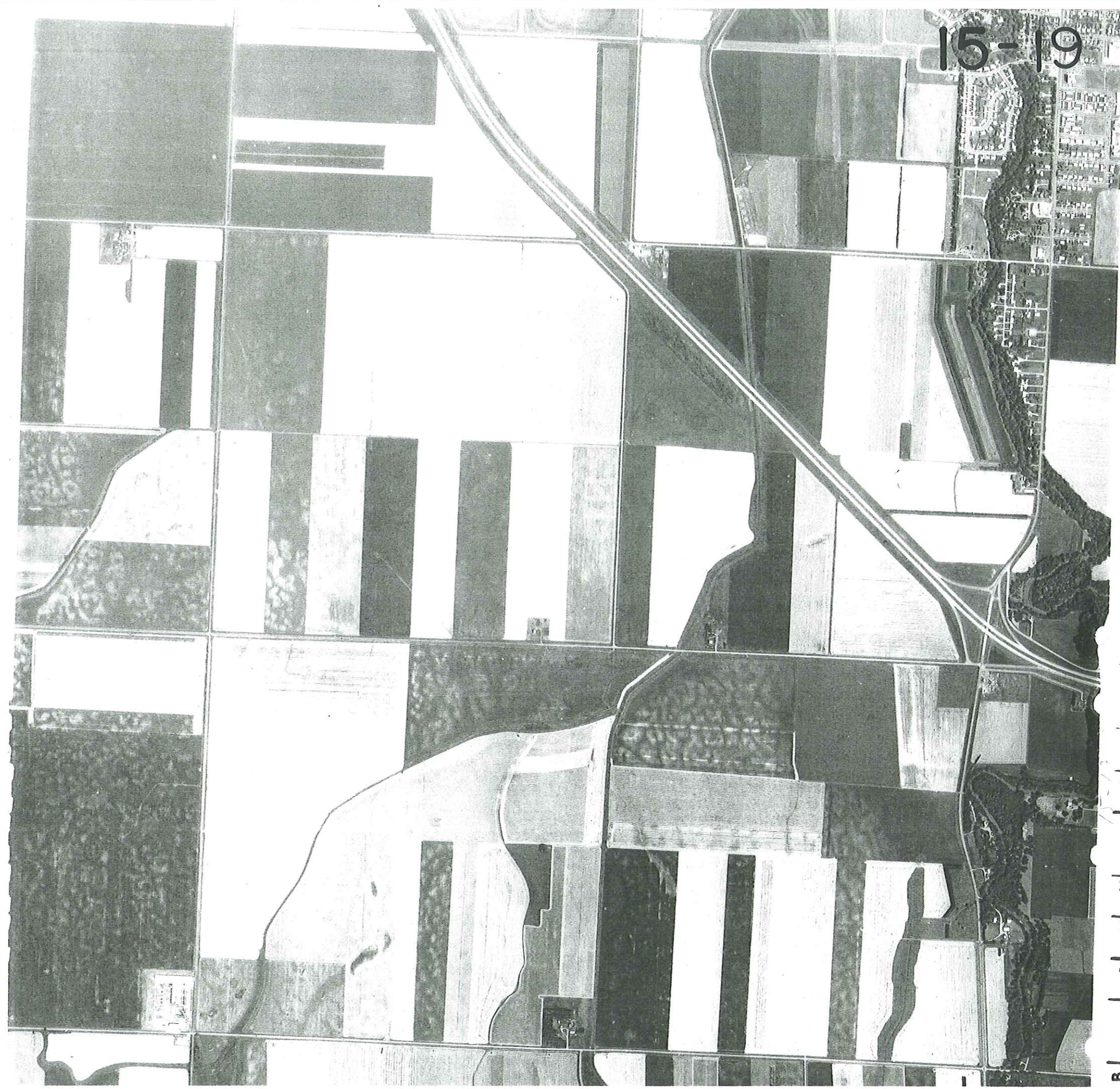


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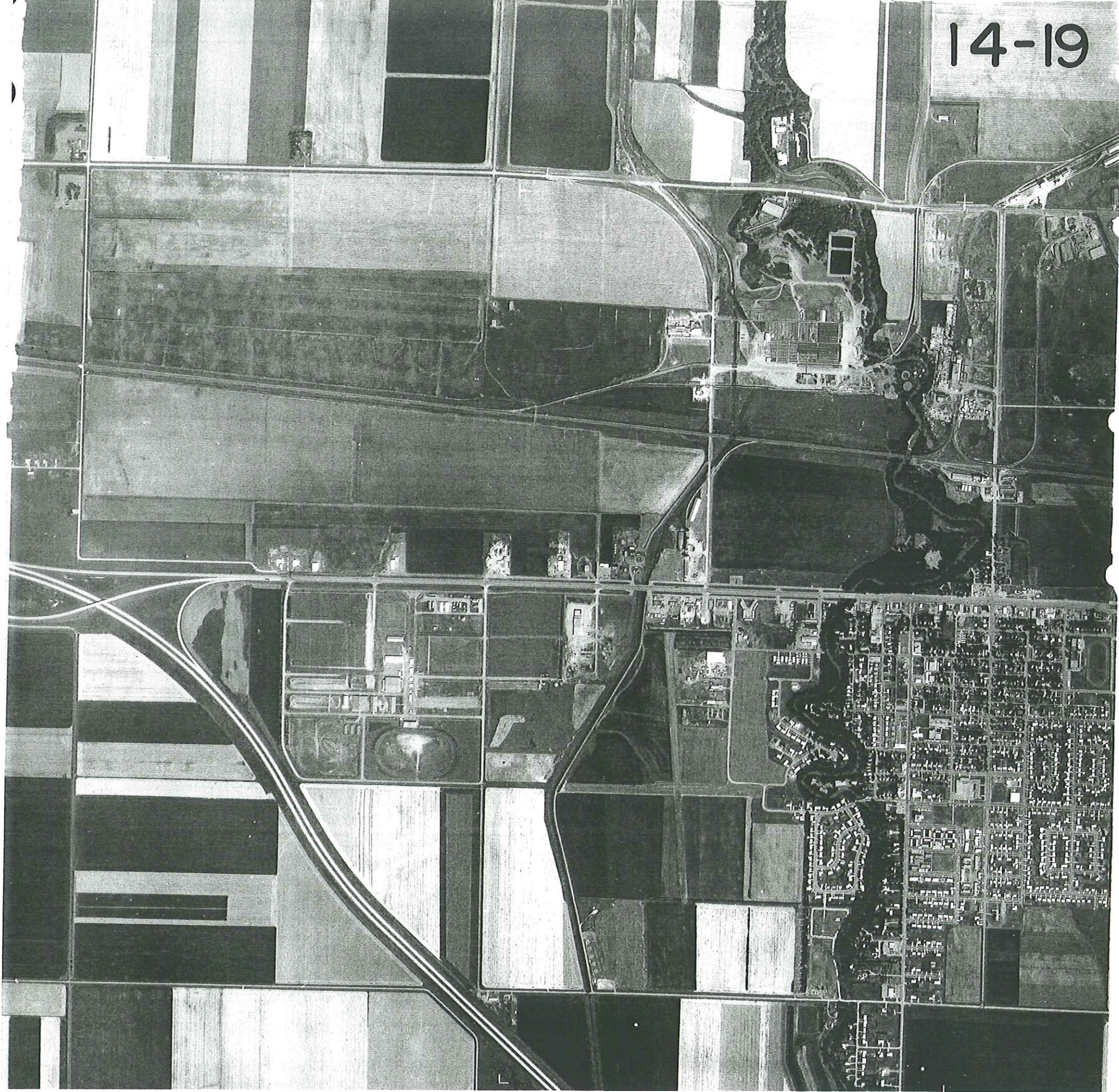


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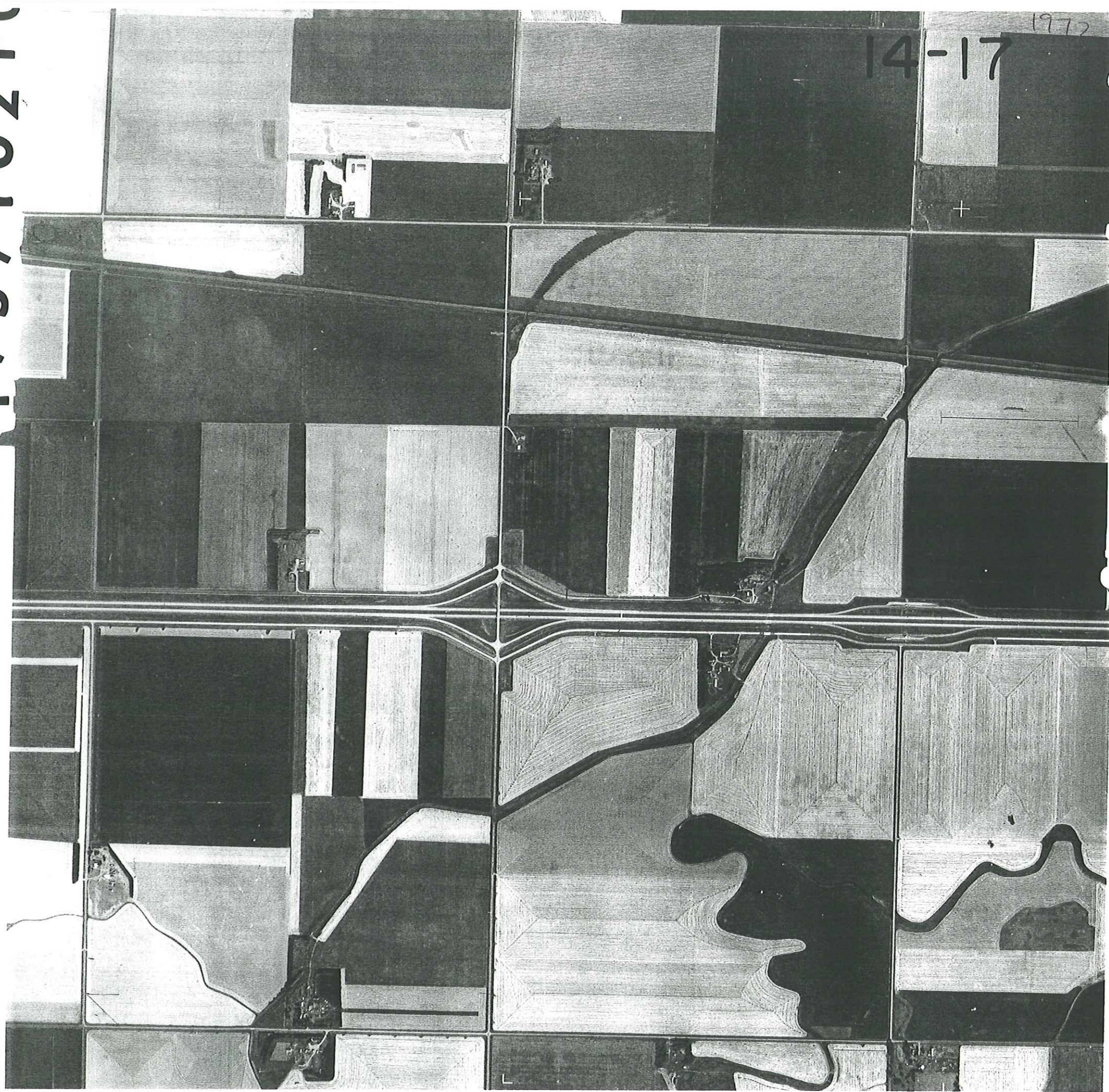


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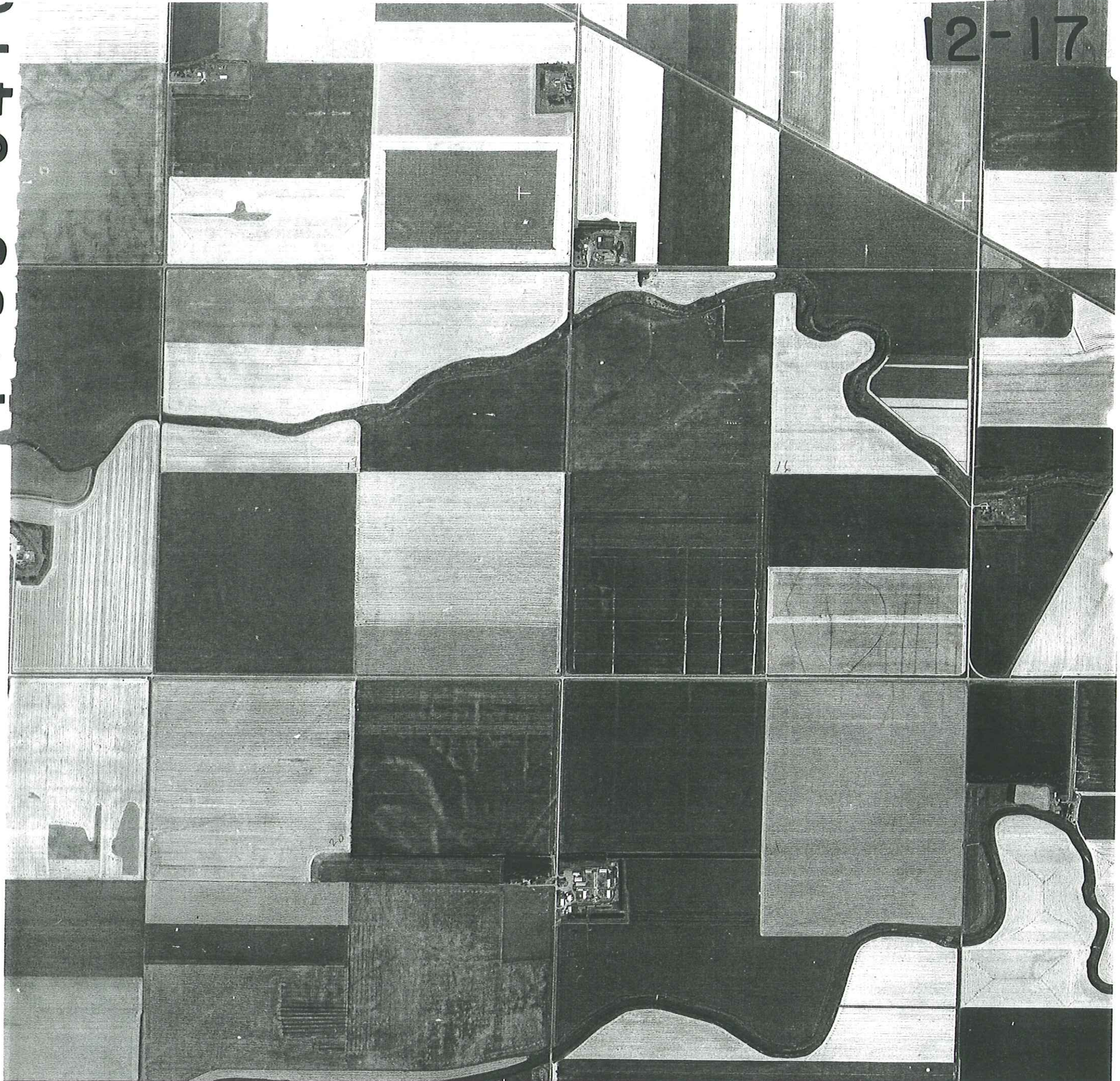


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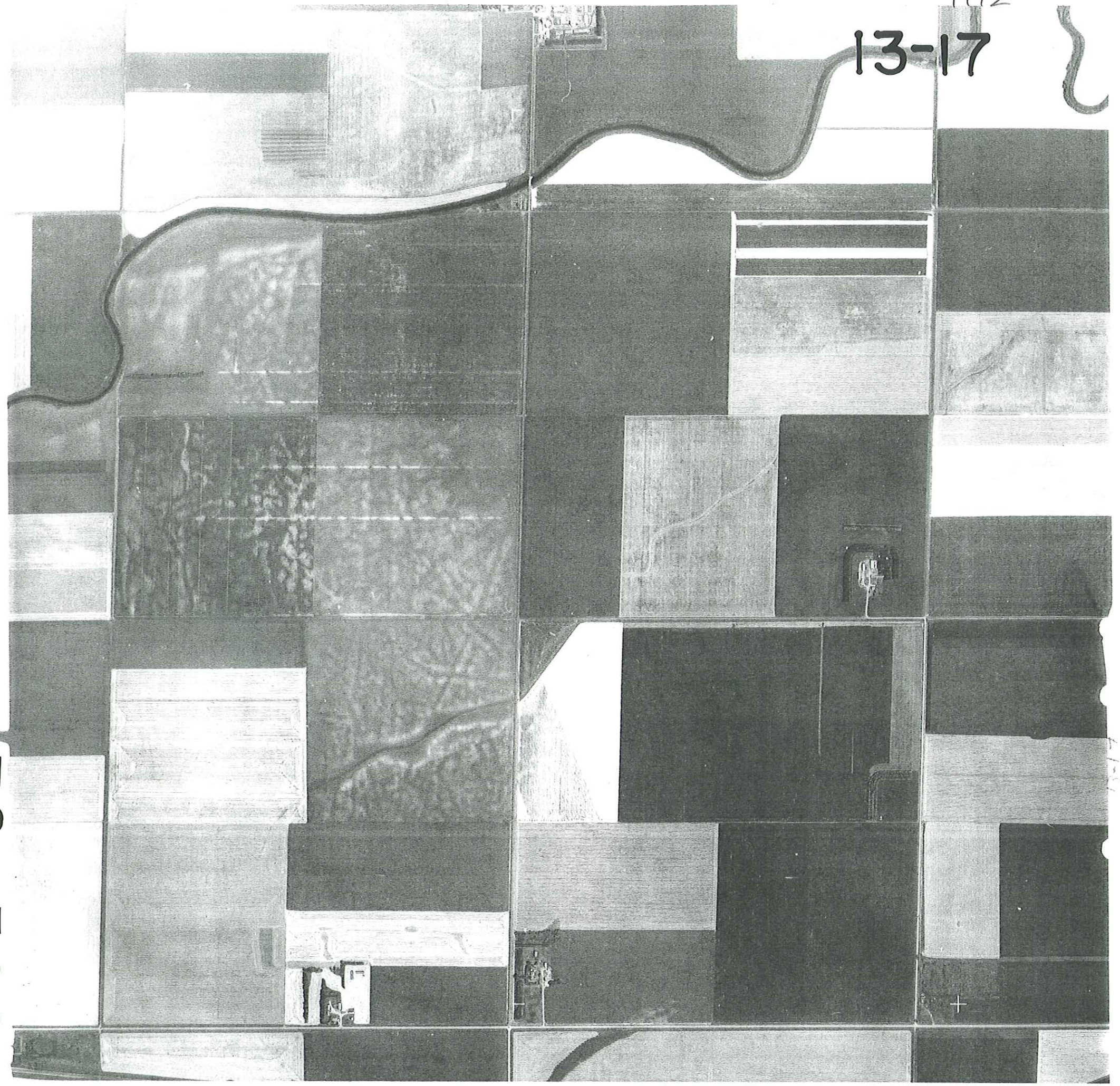
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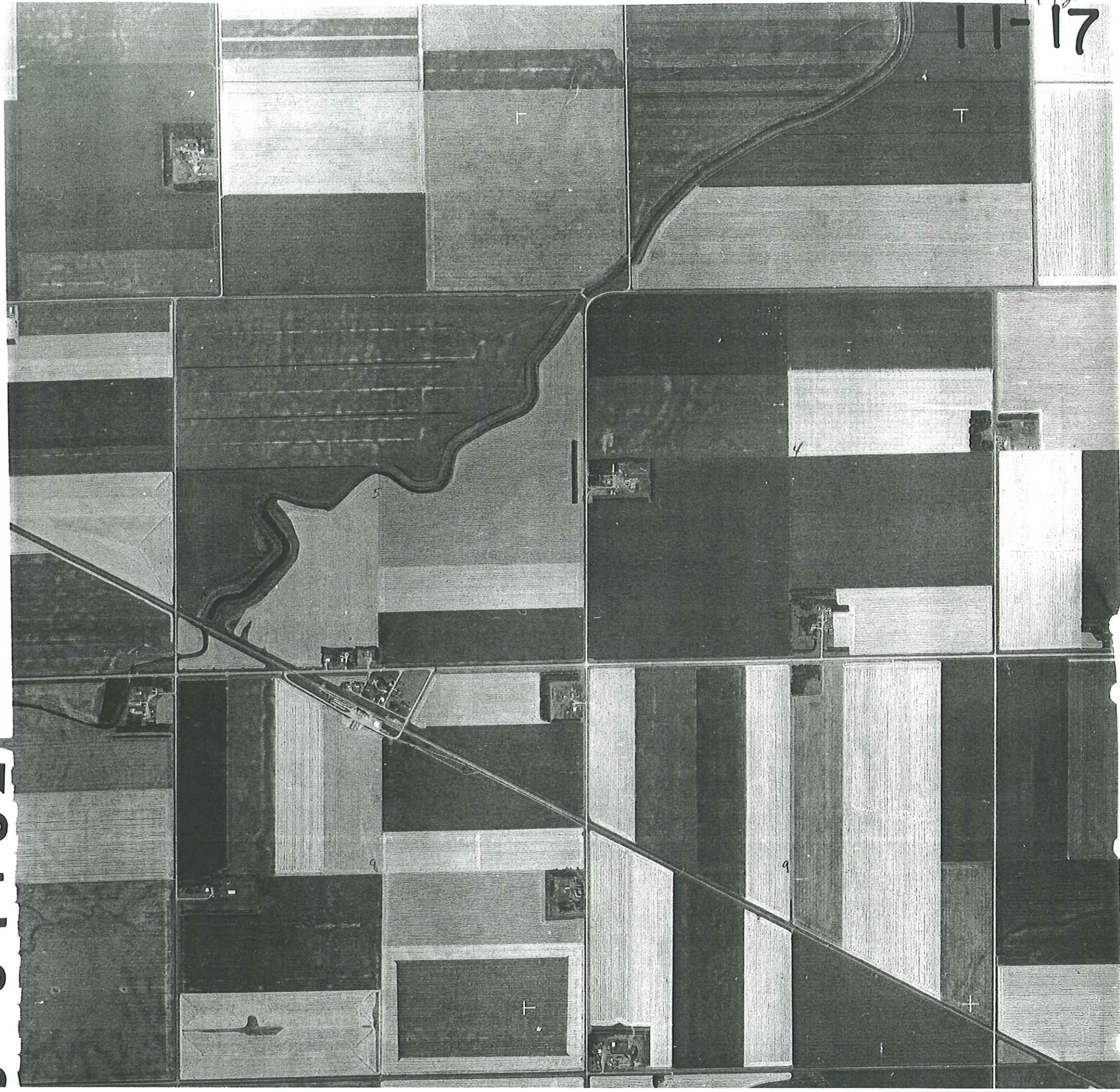
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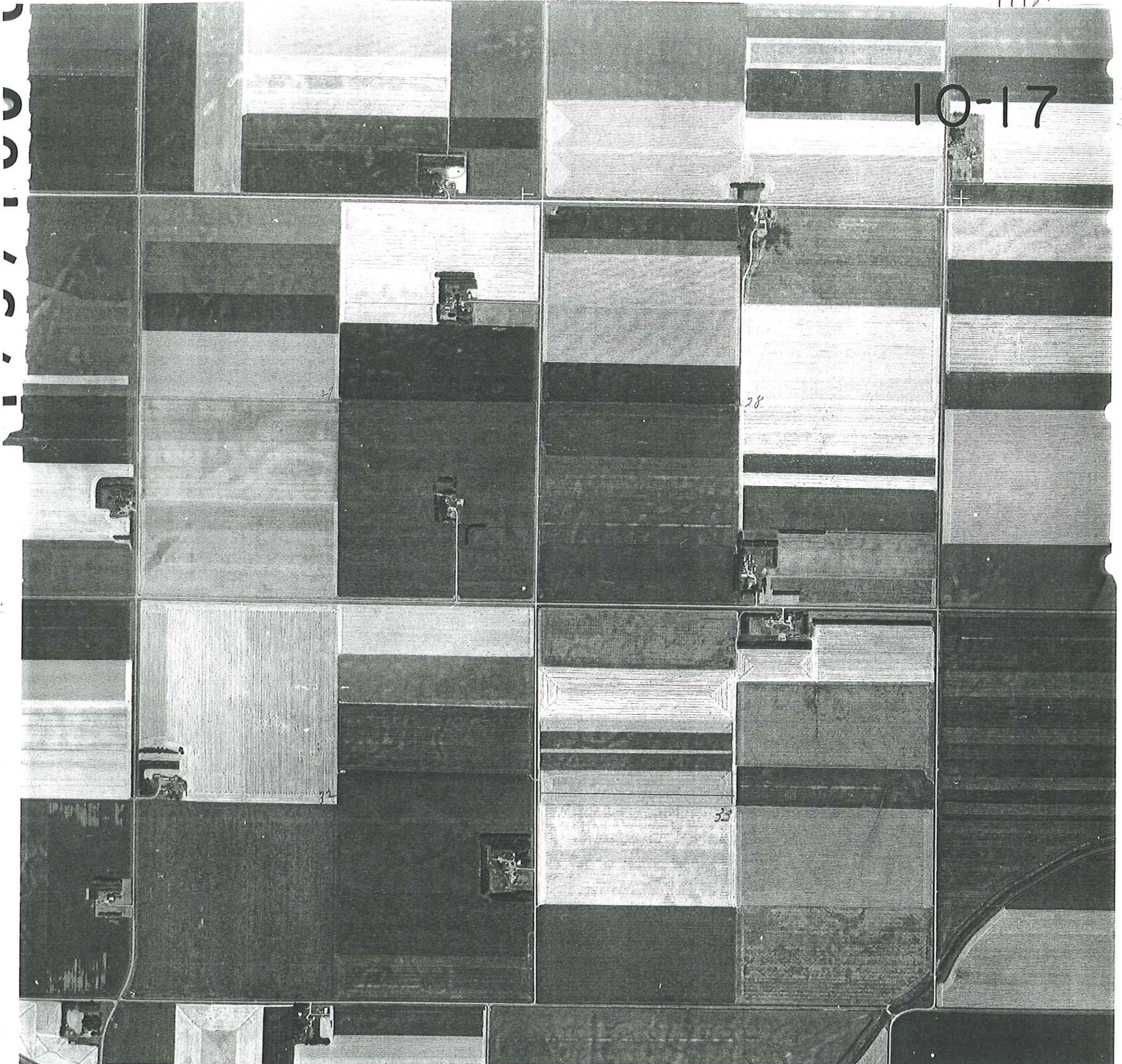
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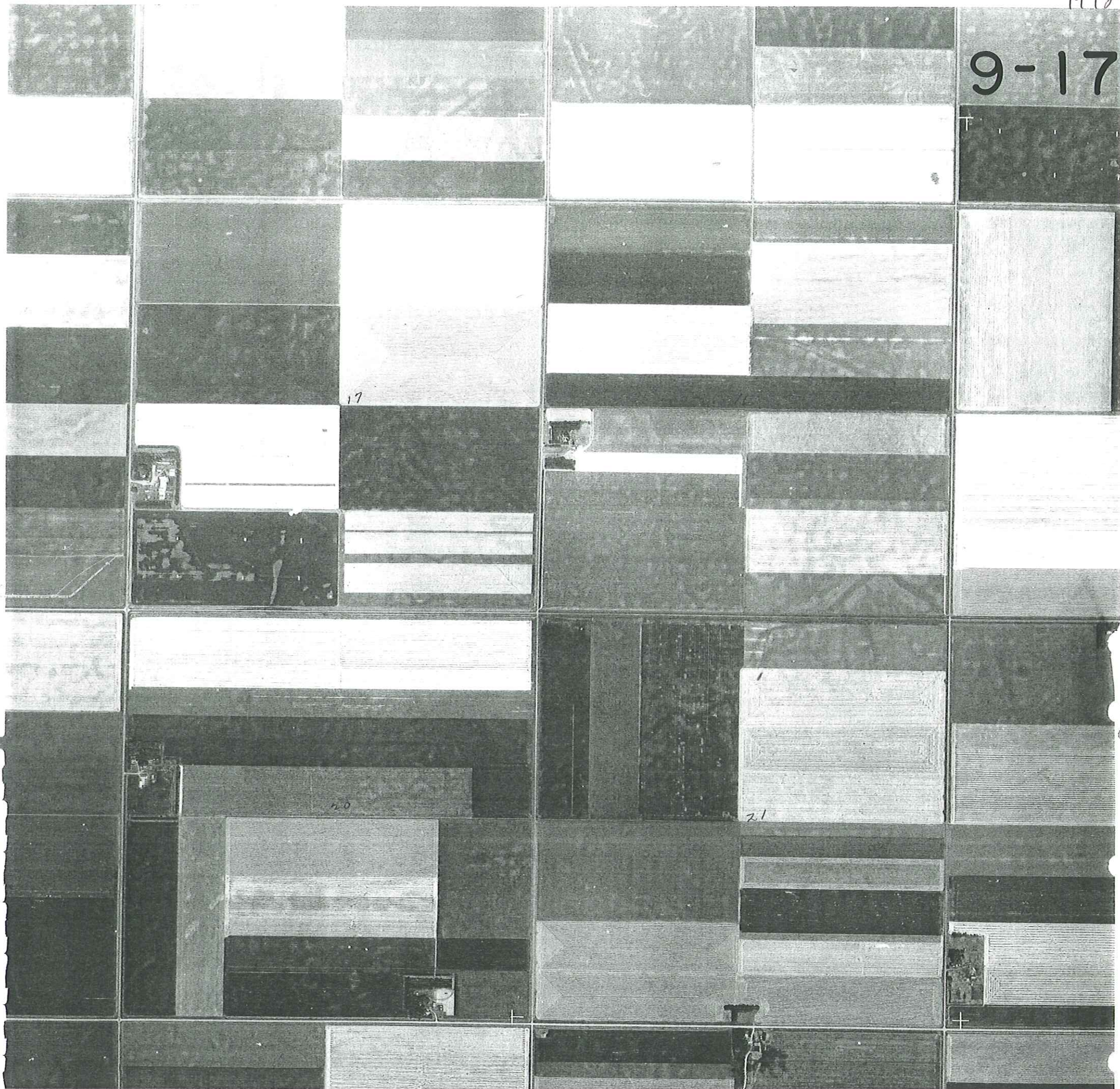
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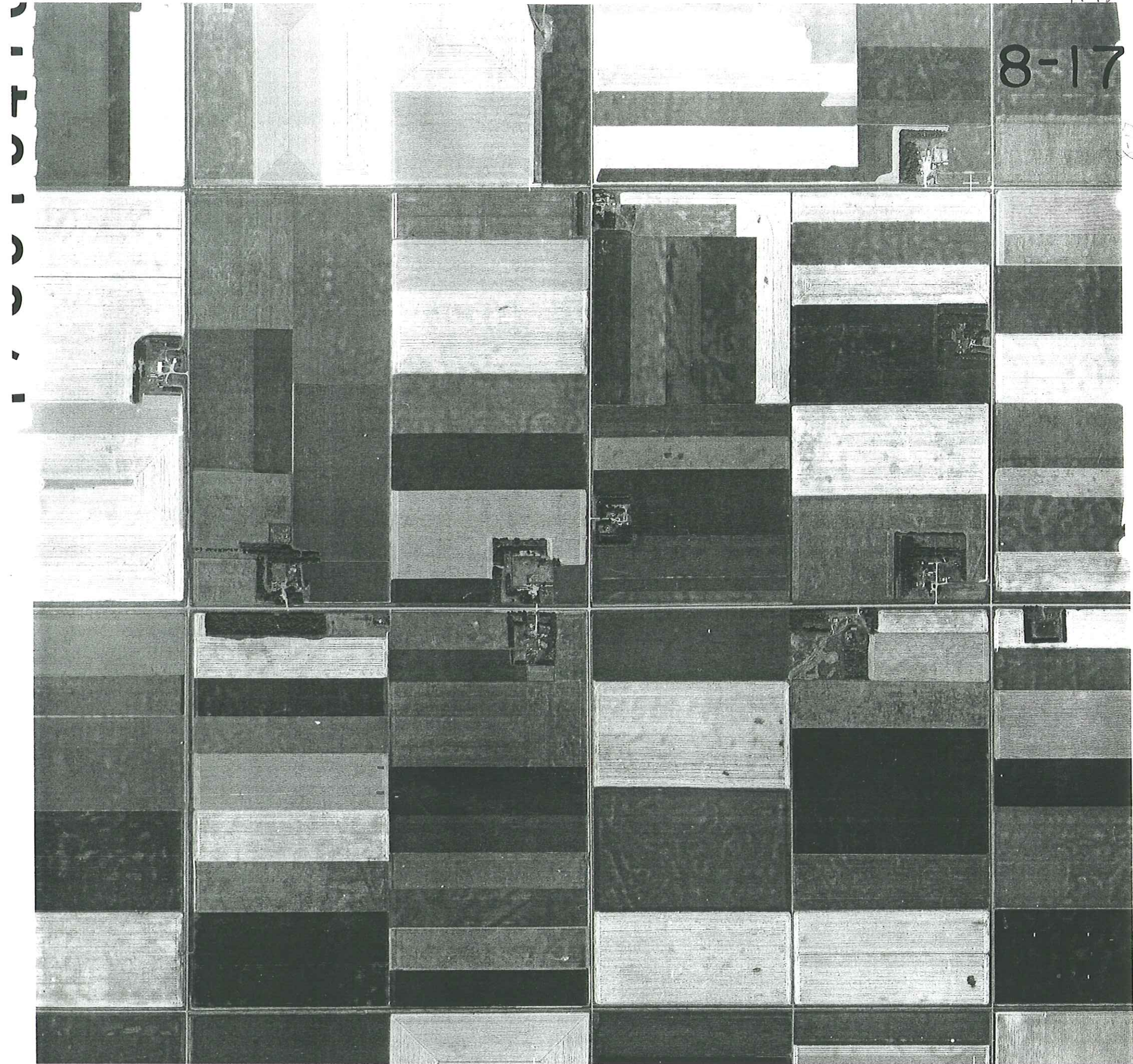
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3 | 1 | M | M | 1 | 8 | 5 | 9-17 | A |



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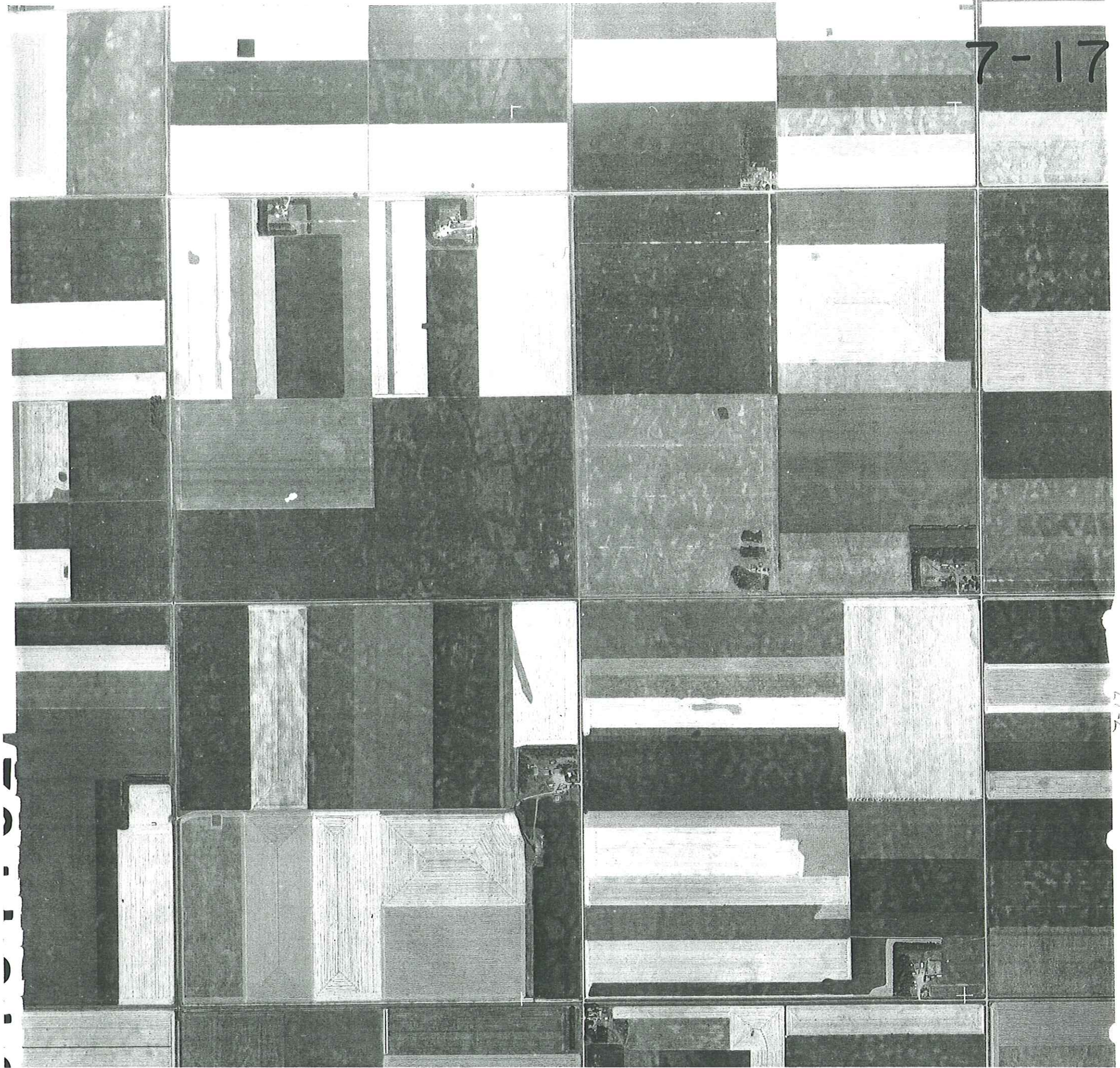
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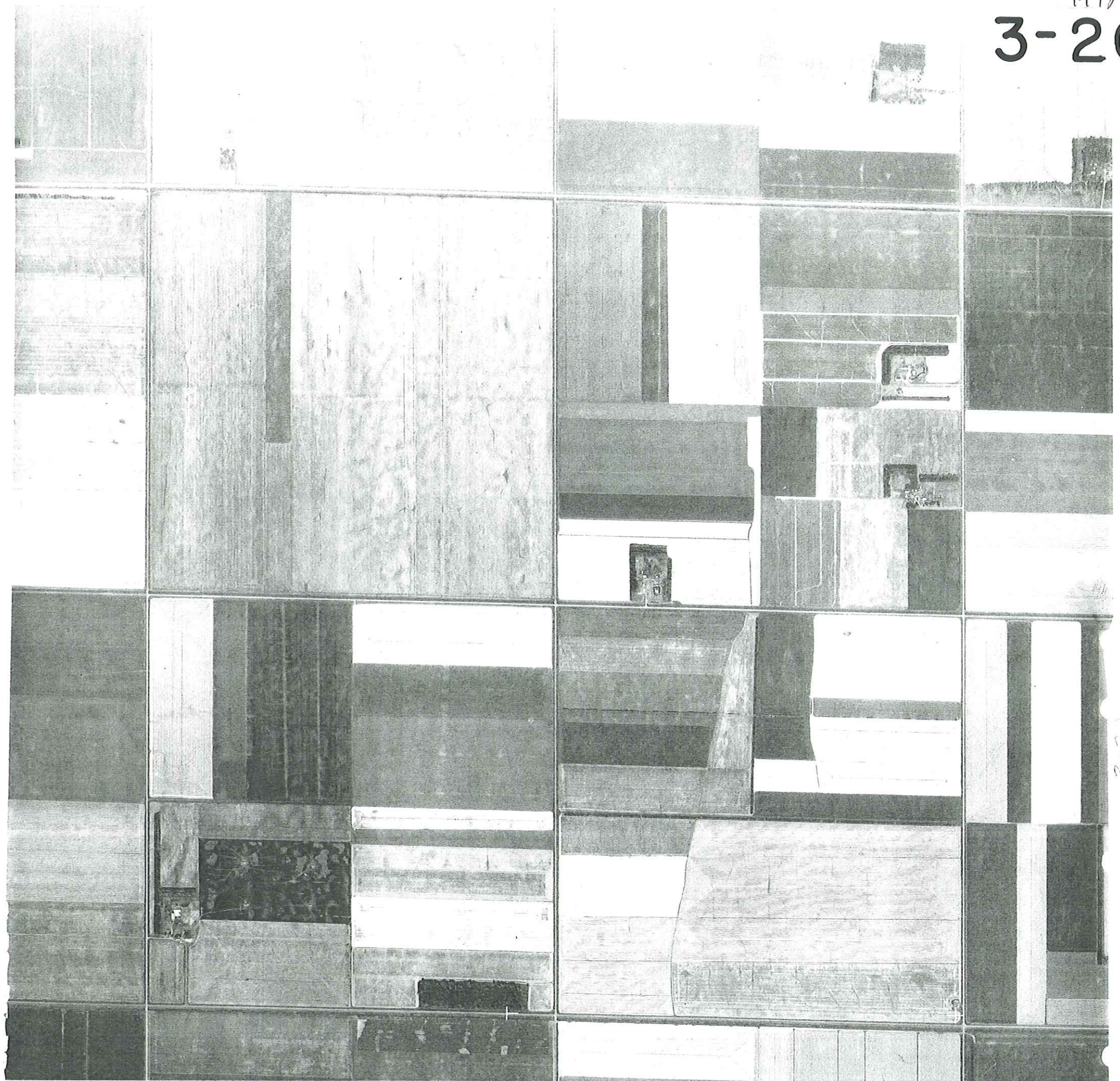


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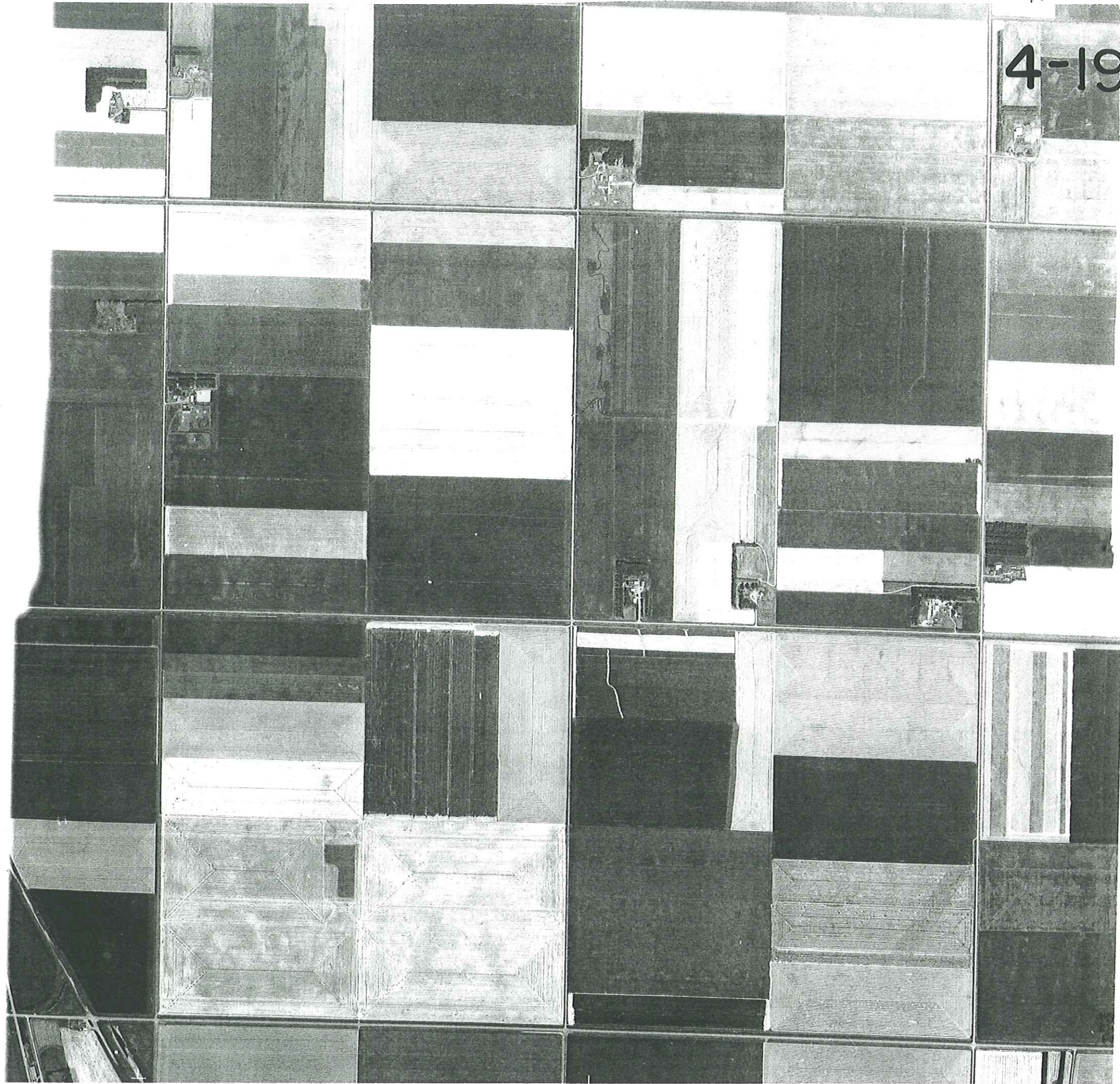


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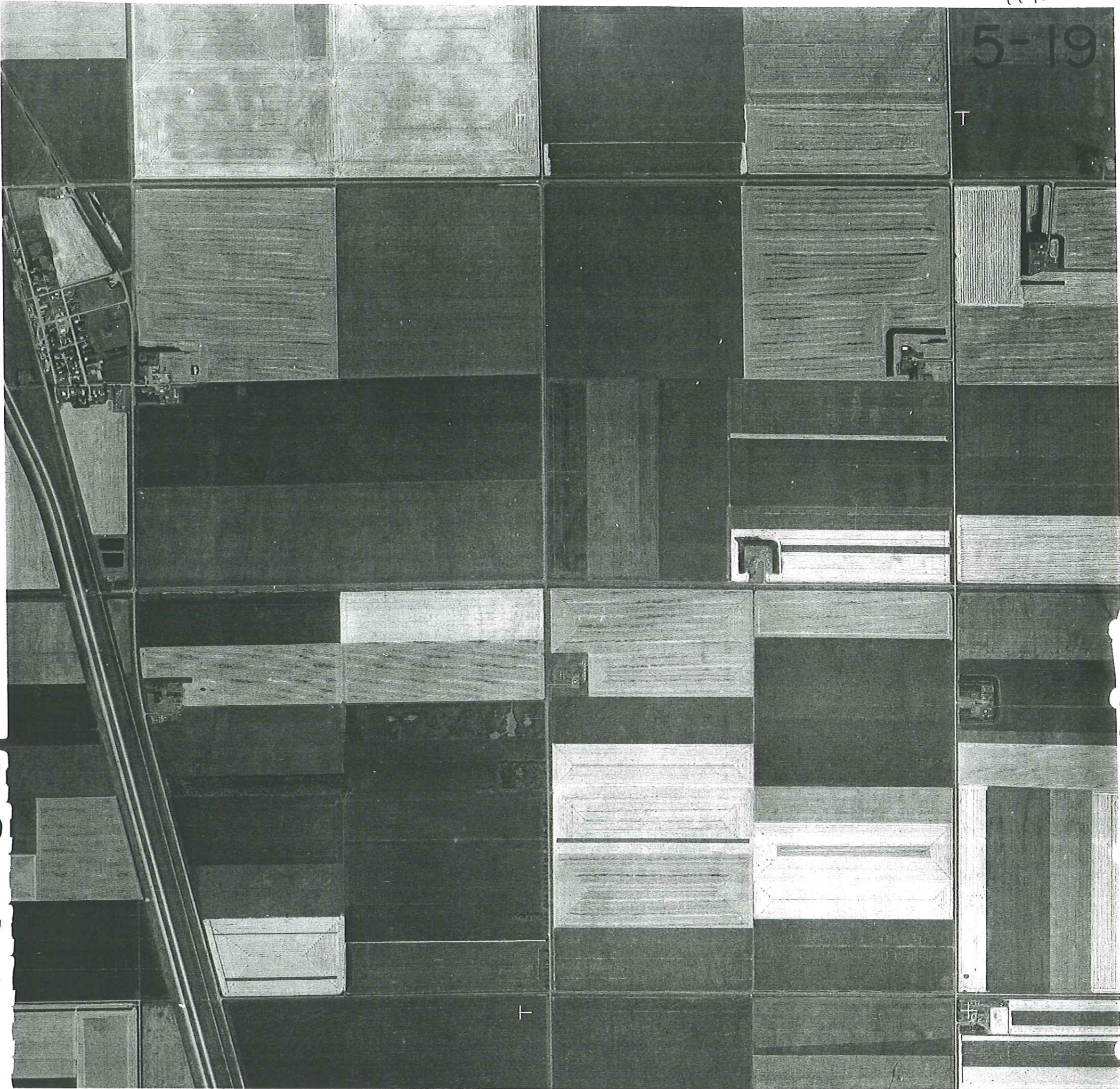
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| A | B | | 2 | M | M | | 4 | 8 |



T-04104

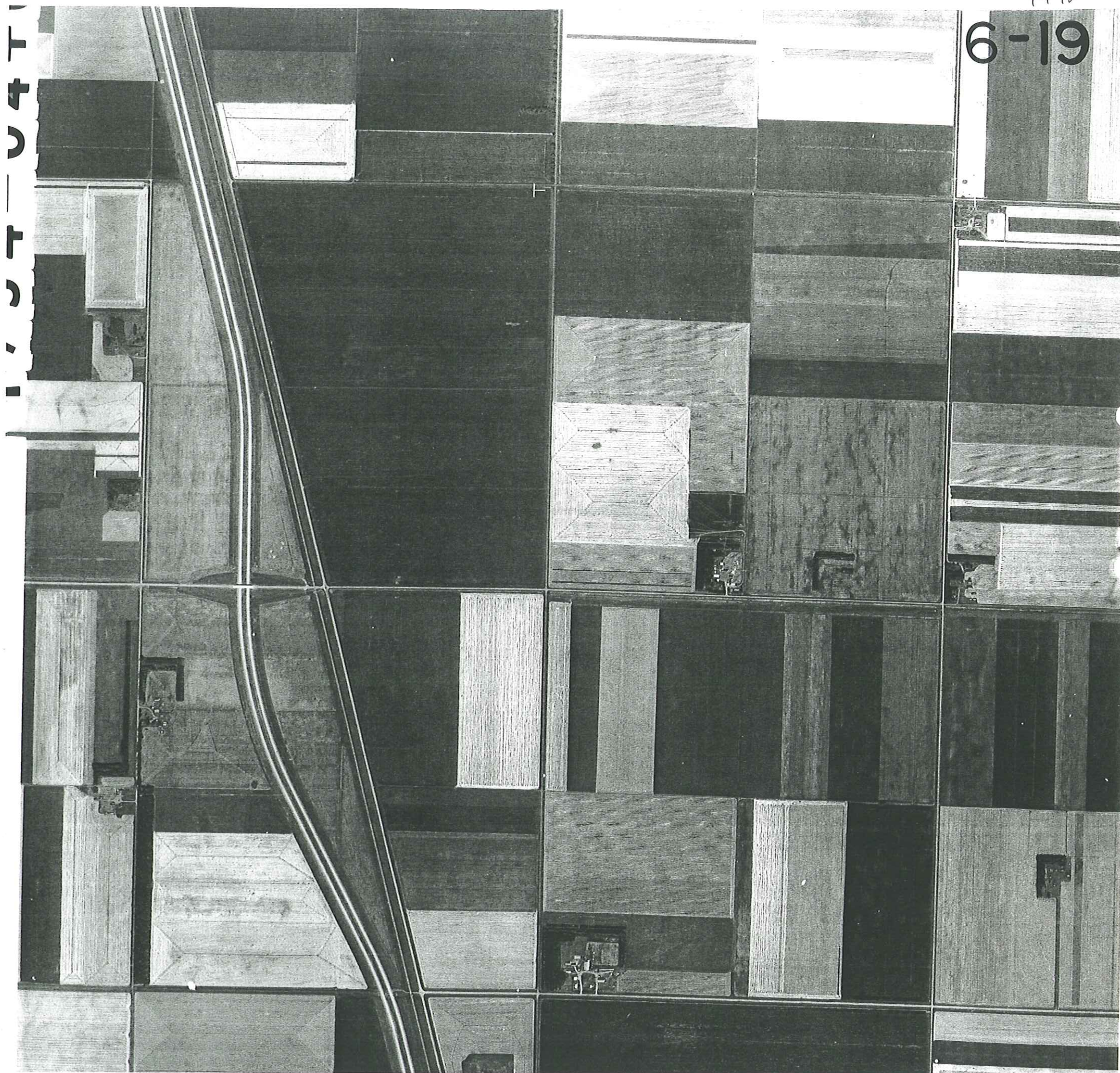


1978

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B | 2 | M | M | 6 |



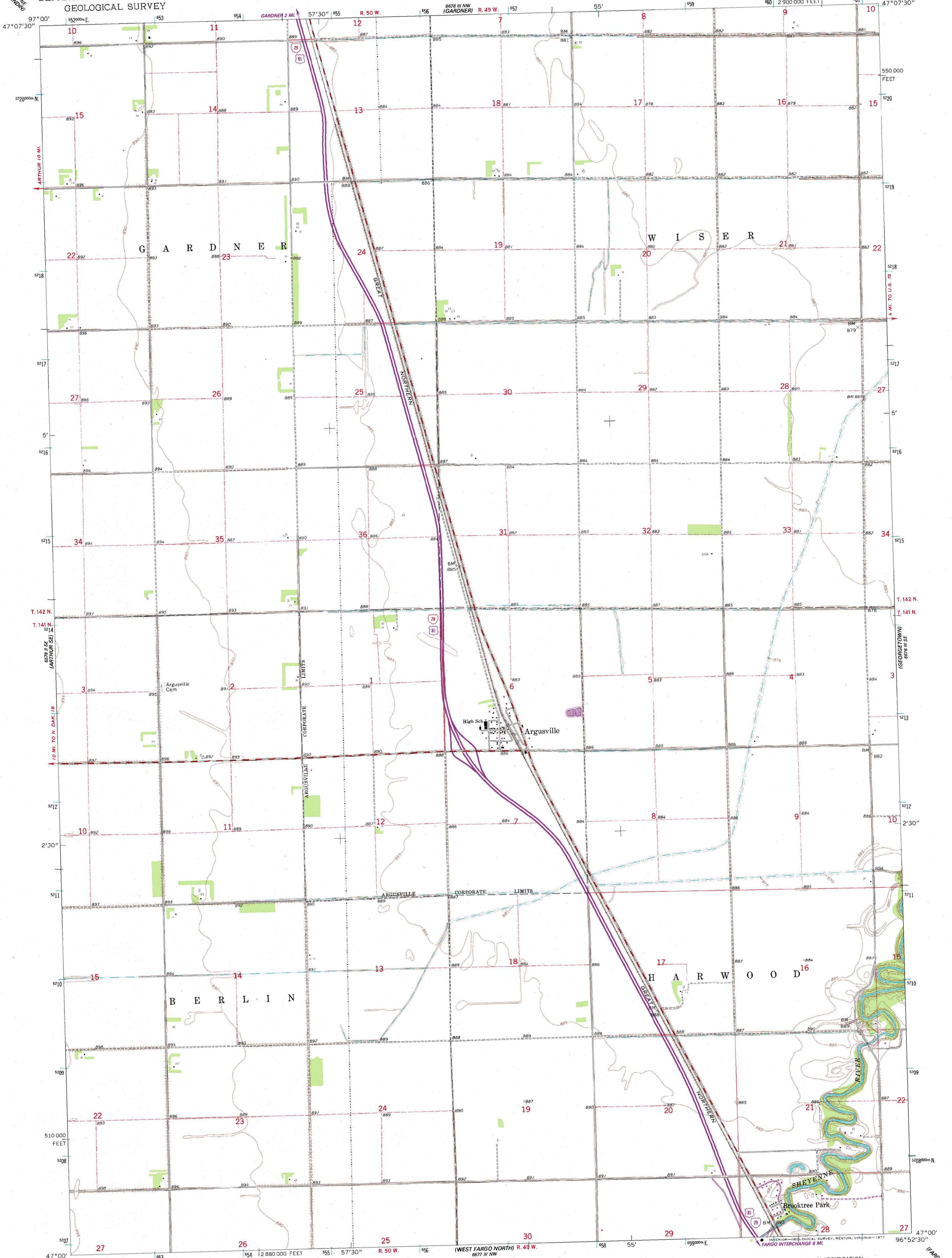


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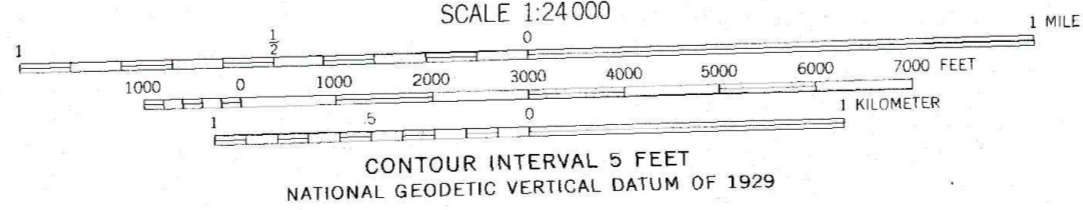
1978  
6-19

| A | B | | 2 | M | M | | | 6 | 0 |

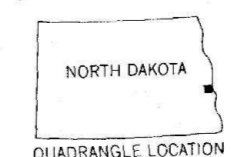




Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Planimetry by photogrammetric methods from aerial photographs taken 1963. Topography by planetable surveys 1963  
Polyconic projection. 1927 North American datum  
10,000-foot grids based on North Dakota coordinate system, south zone  
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue  
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked  
Revisions shown in purple compiled from aerial photographs taken 1976. This information not field checked



CONTOUR INTERVAL 5 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
Interstate Route	U.S. Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

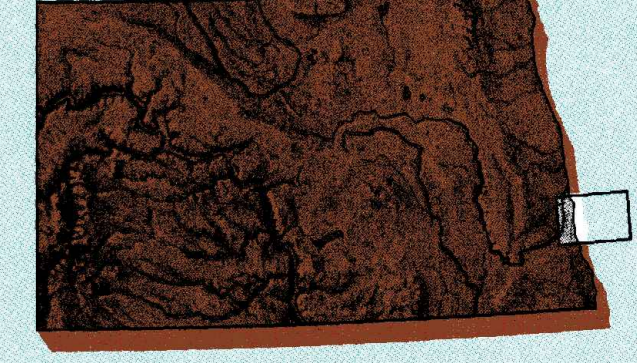
ARGUSVILLE, N. DAK.  
N4700—W9652.5/7.5  
1963  
PHOTOREVISED 1976  
AMS 6678 III SW—SERIES V871



# Fargo

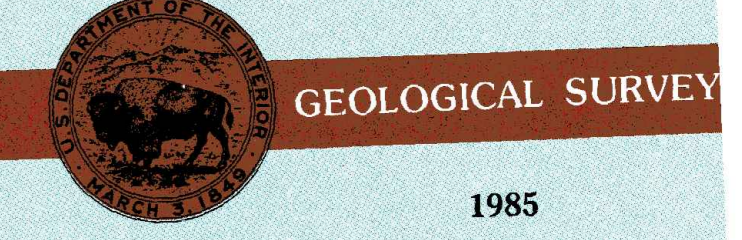
NORTH DAKOTA-MINNESOTA

1:100 000-scale metric  
topographic map



30 X 60 MINUTE QUADRANGLE  
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1959-1981. Planimetry revised from aerial photographs taken 1984 and other source data. Revised information not field checked. Map edited 1985  
 Projection and 10 000-meter grid, zone 14, Universal Transverse Mercator  
 25 000-foot grid ticks based on Minnesota coordinate system, central zone and North Dakota coordinate system, south zone 1927 North American Datum  
 To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 26 meters east  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 5 METERS  
 NATIONAL GEODETIC MERCATOR DATUM OF 1929  
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MAGNETIC		1	2	3
1	3.2808	149°		1	2	3
2	6.5617	150°		4	5	6
3	9.8425	151°		7	8	
4	13.1234	152°				
5	16.4042	153°				
6	19.6850	154°				
7	22.9659	155°				
8	26.2467	156°				
9	29.5275	157°				
10	32.8084	158°				

To convert meters to feet multiply by 3.2808  
 To convert feet to meters multiply by 0.3048

UTM grid convergence (60° and 1985 magnetic declination 1985) at center of map  
 Diagram is approximate

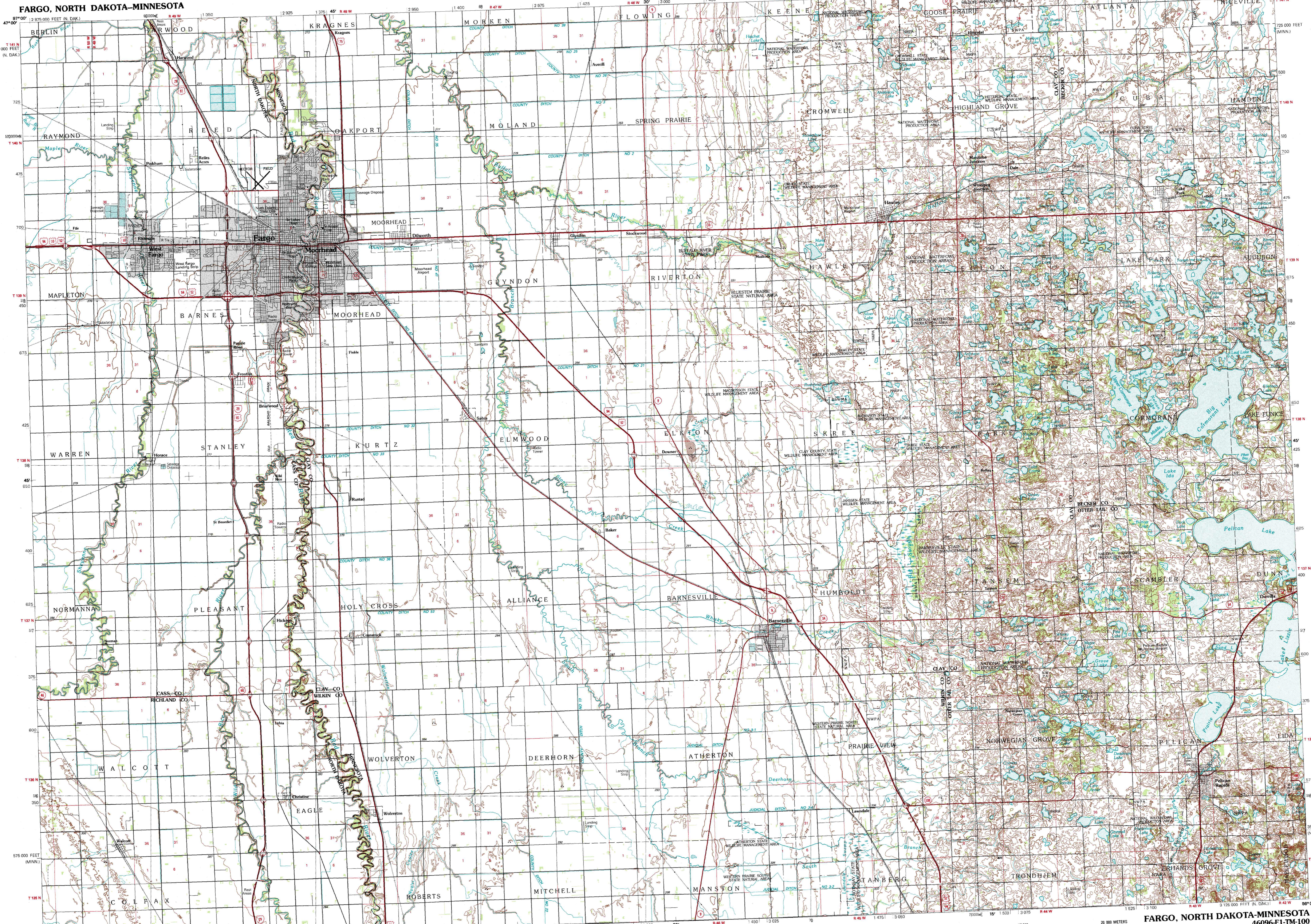
1 Hillboro  
 2 Ada  
 3 Lake Itasca  
 4 Cassford  
 5 Dutton Lakes  
 6 Libanon  
 7 Wahpeton  
 8 Starke Lake

FOR SALE BY U.S. GEOLOGICAL SURVEY  
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

## Topographic Map Symbols

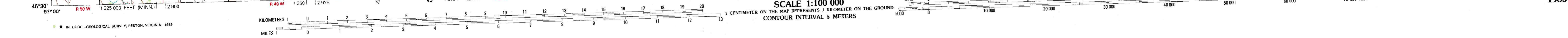
- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Road marker, Interstate, U.S., State
- Railroad: standard gage; narrow gage
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Built up area; locality; elevation
- Airport; landing field; landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U.S. public lands survey: range, township, section
- Range, township; section line; protracted
- Power transmission line; pipeline
- Gate, dam with lock
- Cemetery; building
- Well; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contour: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh; swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request



SCALE 1:100 000  
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND  
 CONTOUR INTERVAL 5 METERS

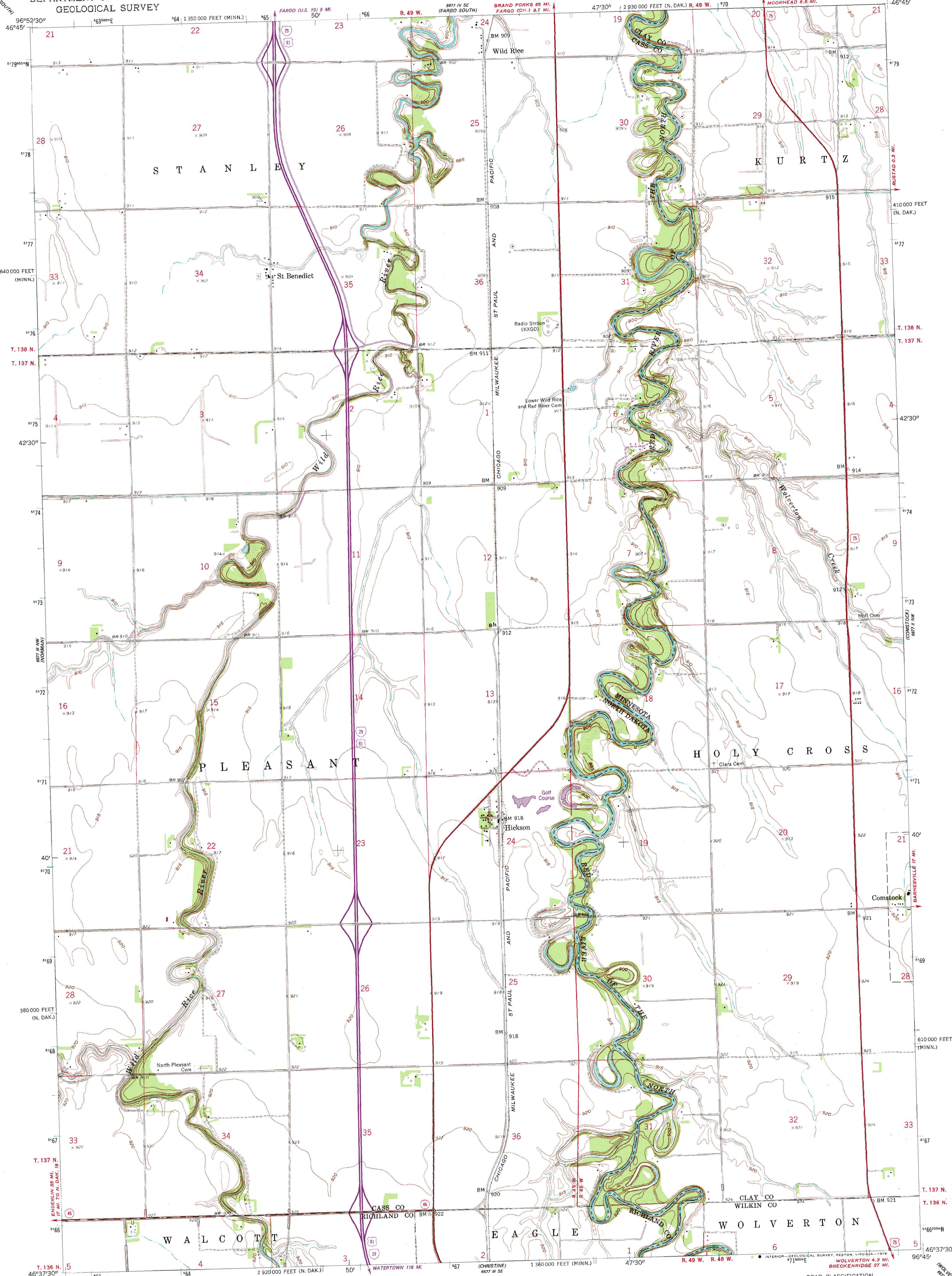
FARGO, NORTH DAKOTA-MINNESOTA  
 46096-E1-TM-100  
 1985



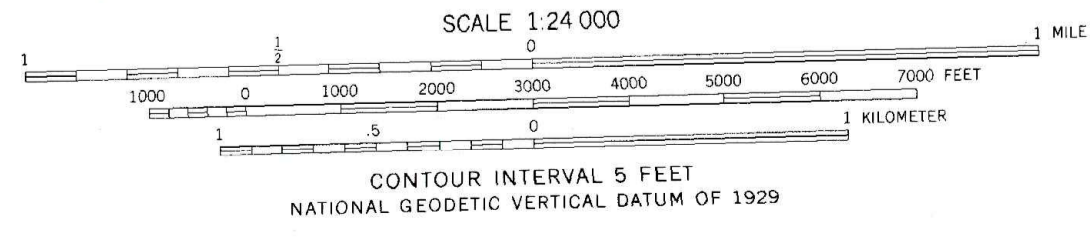


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

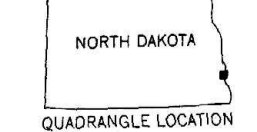
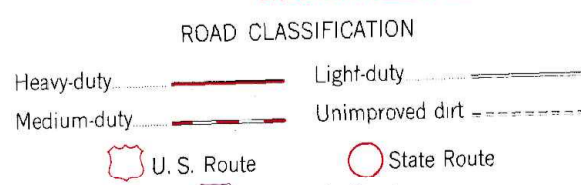
HICKSON QUADRANGLE  
NORTH DAKOTA-MINNESOTA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Culture and drainage in part compiled from aerial photographs taken 1954. Topography by planimeter surveys 1959  
Polyconic projection. 1927 North American datum 10,000-foot grids based on North Dakota coordinate system, south zone, and Minnesota coordinate system, central zone. To place on the predicted North American Datum 1983 move the projection lines 7 meters north and 27 meters east as shown by dashed corner ticks. 1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue  
Revisions shown in purple compiled from aerial photographs taken 1977. Map edited 1979. This information not field checked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

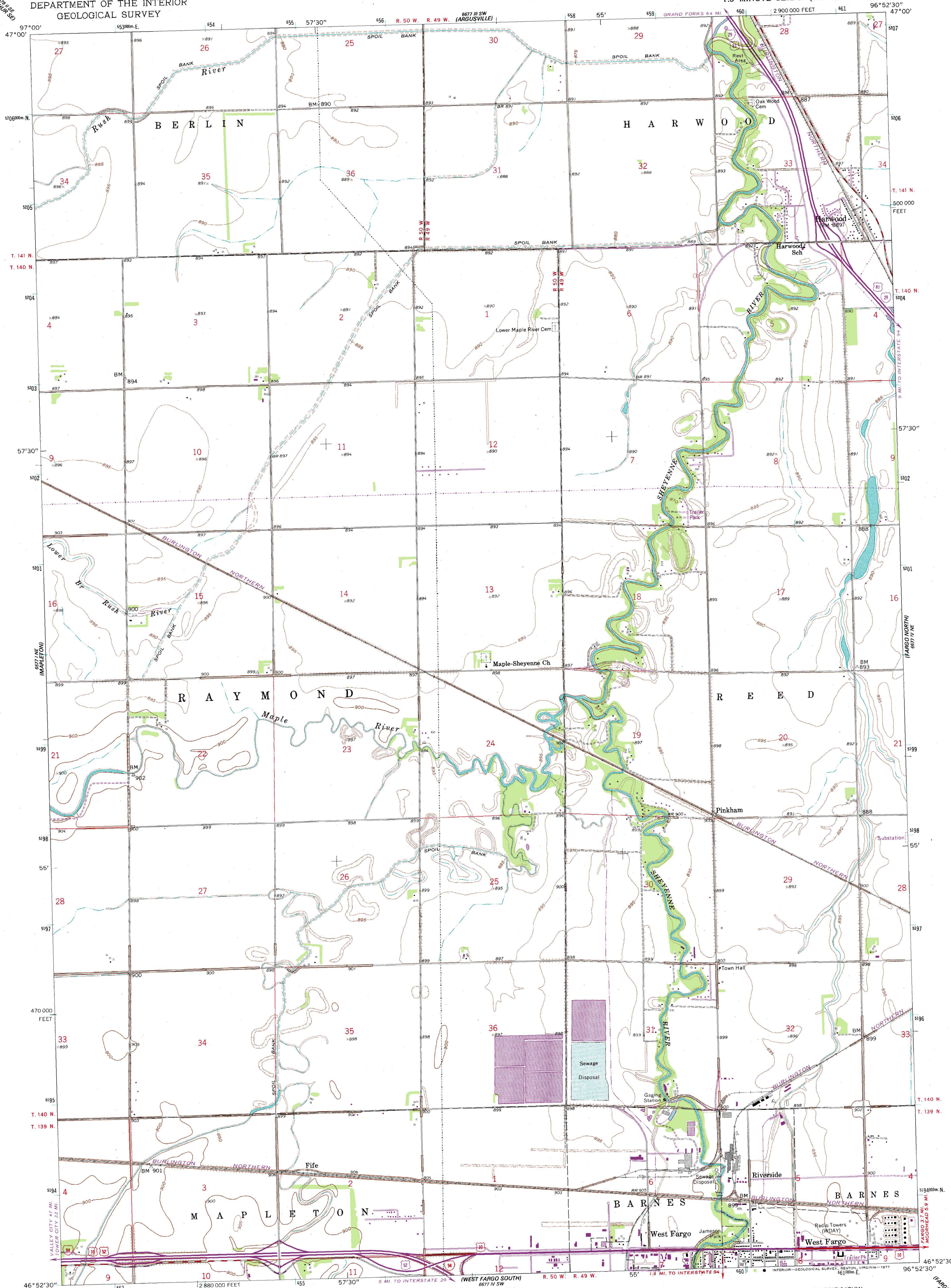


HICKSON, N. DAK.—MINN.  
N 4637.5—W 9645/7.5  
1959  
PHOTOREVISED 1979  
DMA 6677 III NE—SERIES 7671



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

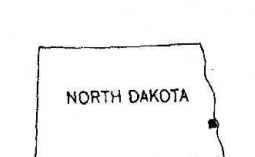
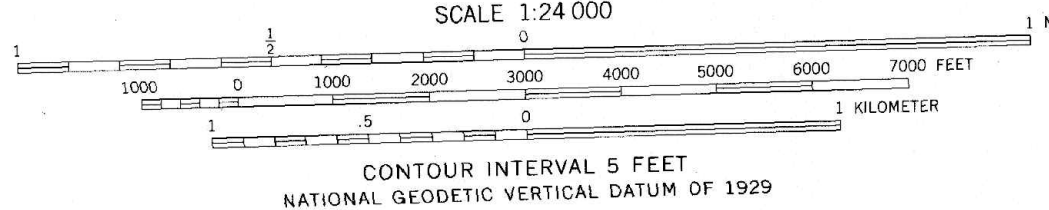
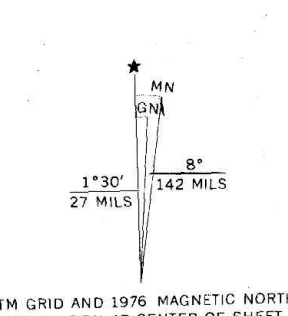
WEST FARGO NORTH QUADRANGLE  
NORTH DAKOTA—CASS CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



97°00' 47°00' 57°30' 46°52'30' 97°00'

96°52'30" 47°00' 57°30' 46°52'30'

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Culture and drainage in part compiled from aerial photographs taken 1954. Topography by planetable surveys 1959  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on North Dakota coordinate system, south zone  
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue  
Revisions shown in purple compiled from aerial photographs taken 1971 and 1976. This information not field checked



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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AND STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

WEST FARGO NORTH, N. DAK.  
(FORMERLY WEST FARGO)  
N4652.5 - W9652.5/7.5  
1959  
PHOTOREVISED 1971 AND 1976  
AMS 6677 IV NW—SERIES V871