



## Maps. v. 5

[s.l.]: Normandeau Associates, Inc. | Interdisciplinary Environmental Planning, Inc., [s.d.]

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WETLANDS ASSESSMENT MAPS

~~STATE DOCUMENTS~~

~~HISTORY~~

SEP 17 1984

~~DEPOSITORY~~

SEP 17 1984

University of Wisconsin, LRC  
Stevens Point, Wisconsin

TD  
194.66  
.W62  
C7244  
1982  
v. 5

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UW-STEVENS POINT

Goat  
Polo

TD

194.66

.W62

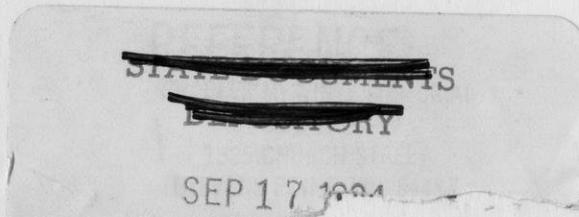
C7244

1982

v.5

CRANDON PROJECT

WETLANDS ASSESSMENT MAPS



Prepared for

EXXON MINERALS COMPANY  
Rhineland, Wisconsin

by

NORMANDEAU ASSOCIATES, INC.  
Bedford, New Hampshire


and

INTERDISCIPLINARY ENVIRONMENTAL PLANNING, INC.  
Wayland, Massachusetts

August 1982

LIST OF FIGURES

- 3.5-2 Map showing wetlands of special interest in relation to proposed project activities.
- 4.3-1 Composite map showing watersheds and wetlands within the study area.
- 4.3-1A Section 1 of the composite map showing watersheds and wetlands associated with the northwest portion of the proposed access road corridor.
- 4.3-1B Section 2 of the composite map showing watersheds and wetlands associated with the main portion of the proposed access road corridor.
- 4.3-1C Section 3 of the composite map showing watersheds and wetlands associated with the main portion of the proposed railroad spurline corridor.
- 4.3-1D Section 4 of the composite map showing watersheds and wetlands associated with the northwest portion of Area 40.
- 4.3-1E Section 5 of the composite map showing watersheds and wetlands associated with Area 40, mine/mill site, southern portion of the proposed access road and railroad spurline and the northern edge of Area 41.
- 4.3-1F Section 6 of the composite map showing watersheds and wetlands associated with the northwest portion of Area 41.
- 4.3-1G Section 7 of the composite map showing watersheds and wetlands associated with the southwest portion of Area 40.
- 4.3-1H Section 8 of the composite map showing watersheds and wetlands associated with the southeast portion of Area 40 and the south central portion of the study area.
- 4.3-1I Section 9 of the composite map showing watersheds and wetlands associated with the southern portion of Area 41.
- 4.4-1 Map showing wetlands in which quantitative biological studies were conducted.
- 4.8-1 Map of study region showing areas of aerial photograph interpretation and hydrogeologic regions.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.

CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM.  
HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM.

DATE OF PHOTOGRAPHY: APRIL 28, 1976

AERO-METRIC ENGINEERING PROJECT NO. 047613

PREPARED FOR

EXXON COMPANY, U.S.A.

PREPARED BY

AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING

T34N, R12E

T35N, R12E

T34N, R13E

T35N, R13E

SECTIONS 1, 2, 3, 10, 11, 12  
SECTIONS 13, 14, 15, 22, 23, 24, 25, 26, 27, 34, 35, 36


SECTIONS 4, 5, 6, 7, 8, 9  
SECTIONS 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33

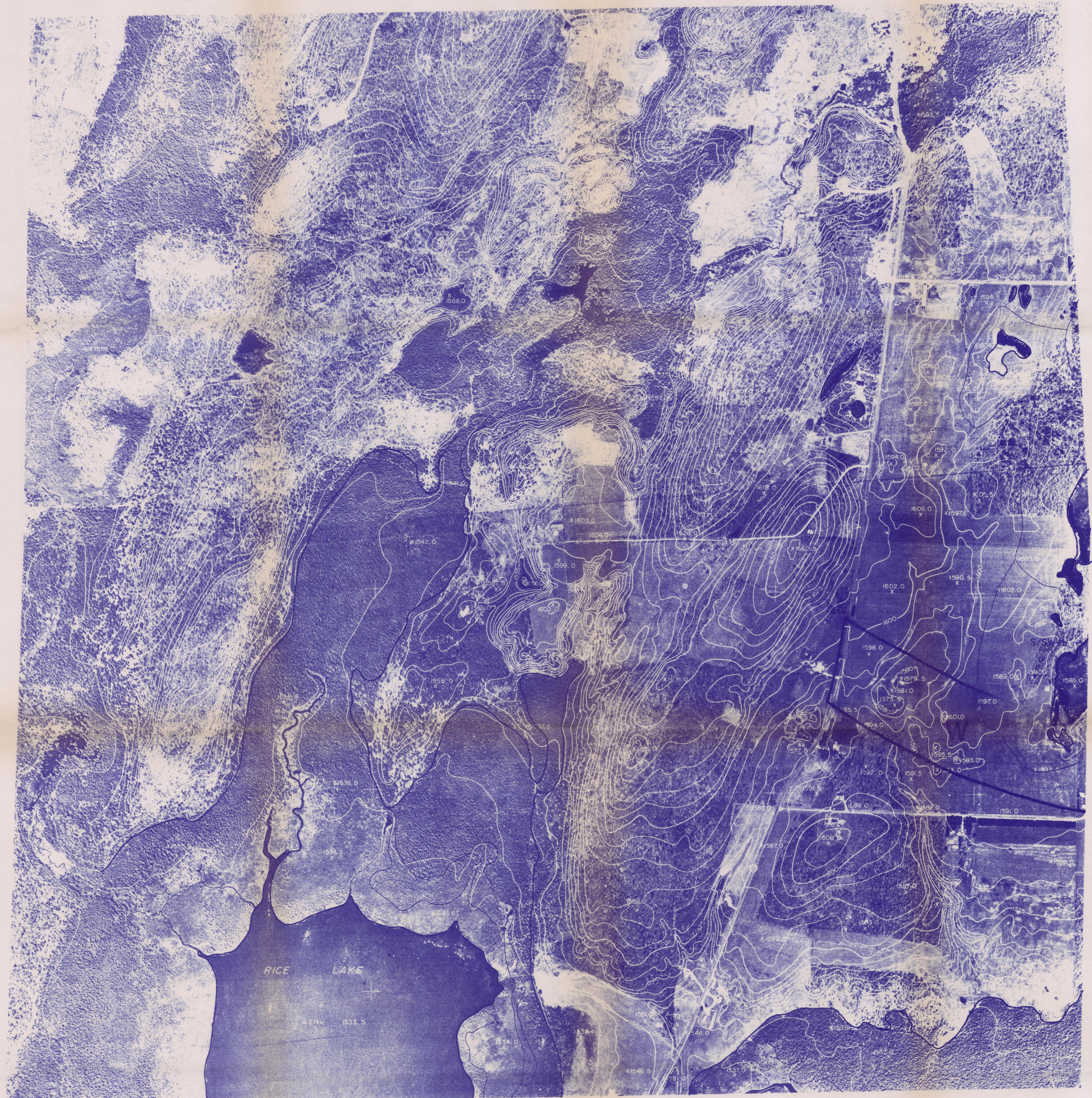
SECTIONS 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33  
T35N, R13E

FOREST & LANGLADE COUNTIES, WISCONSIN

SCALE 1" = 1000'

C-TM-0113





**H** WATERSHED TITLE

**F-60**

WETLAND TITLE

- S/SW-a SCRUB-SHRUB WETLAND-BOG
- S/SW-b SCRUB-SHRUB WETLAND-SHRUB SWAMP
- FW-a FORESTED WETLAND-CONIFEROUS
- FW-b FORESTED WETLAND-DECIDUOUS
- EW-b EMERGENT WETLAND-PERMANENT

STUDY AREA BOUNDARY

WATERSHED BOUNDARY

WETLAND FLAG

WETLAND DIVIDER

1	2	3
4	5	6
7	8	9

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.

CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM

HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM

DATE OF PHOTOGRAPH: APRIL 28, 1976

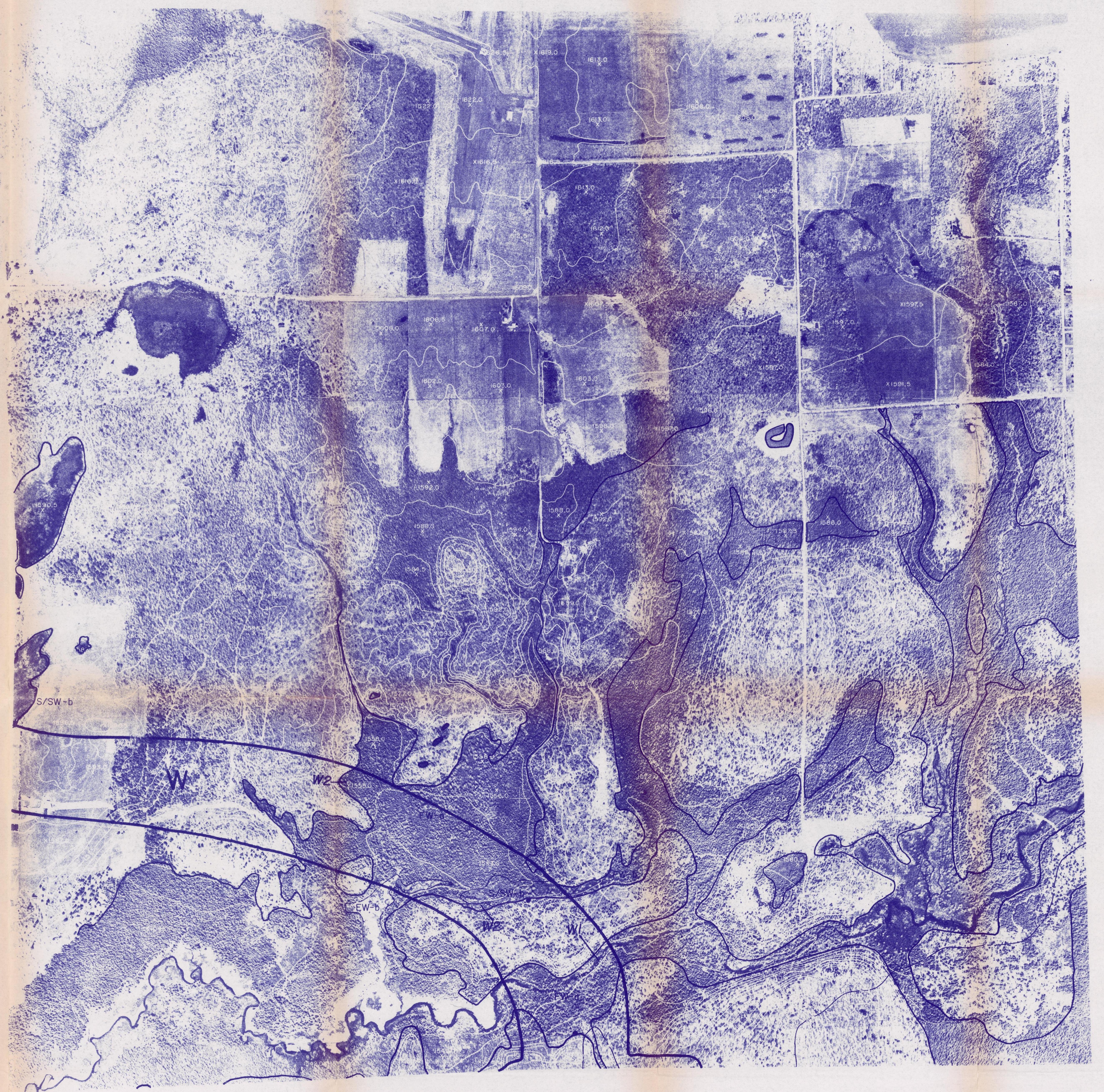
AERO-METRIC ENGINEERING PROJECT NO. 047613

0 400 800 1200 1600 2000

SCALE 1" = 400'

PREPARED FOR  
EXXON COMPANY, U.S.A.  
PREPARED BY  
AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING  
SECTIONS 14 & 15 T35N,R12E  
SECTIONS 22 & 23 T35N,R12E  
FOREST COUNTY, WISCONSIN

**H****WATERSHED TITLE**

<b>F-60</b>	<b>WETLAND TITLE</b>
S/SW-a	SCRUB-SHRUB WETLAND-BOG
S/SW-b	SCRUB-SHRUB WETLAND-SHRUB SWAMP
FW-a	FORESTED WETLAND-CONIFEROUS
FW-b	FORESTED WETLAND-DECIDUOUS
EW-b	EMERGENT WETLAND-PERMANENT

- ~** STUDY AREA BOUNDARY
- - -** WATERSHED BOUNDARY
- WETLAND FLAG
- - -** WETLAND DIVIDER

<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b>

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CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM

HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM

DATE OF PHOTOGRAPHY APRIL 28, 1976

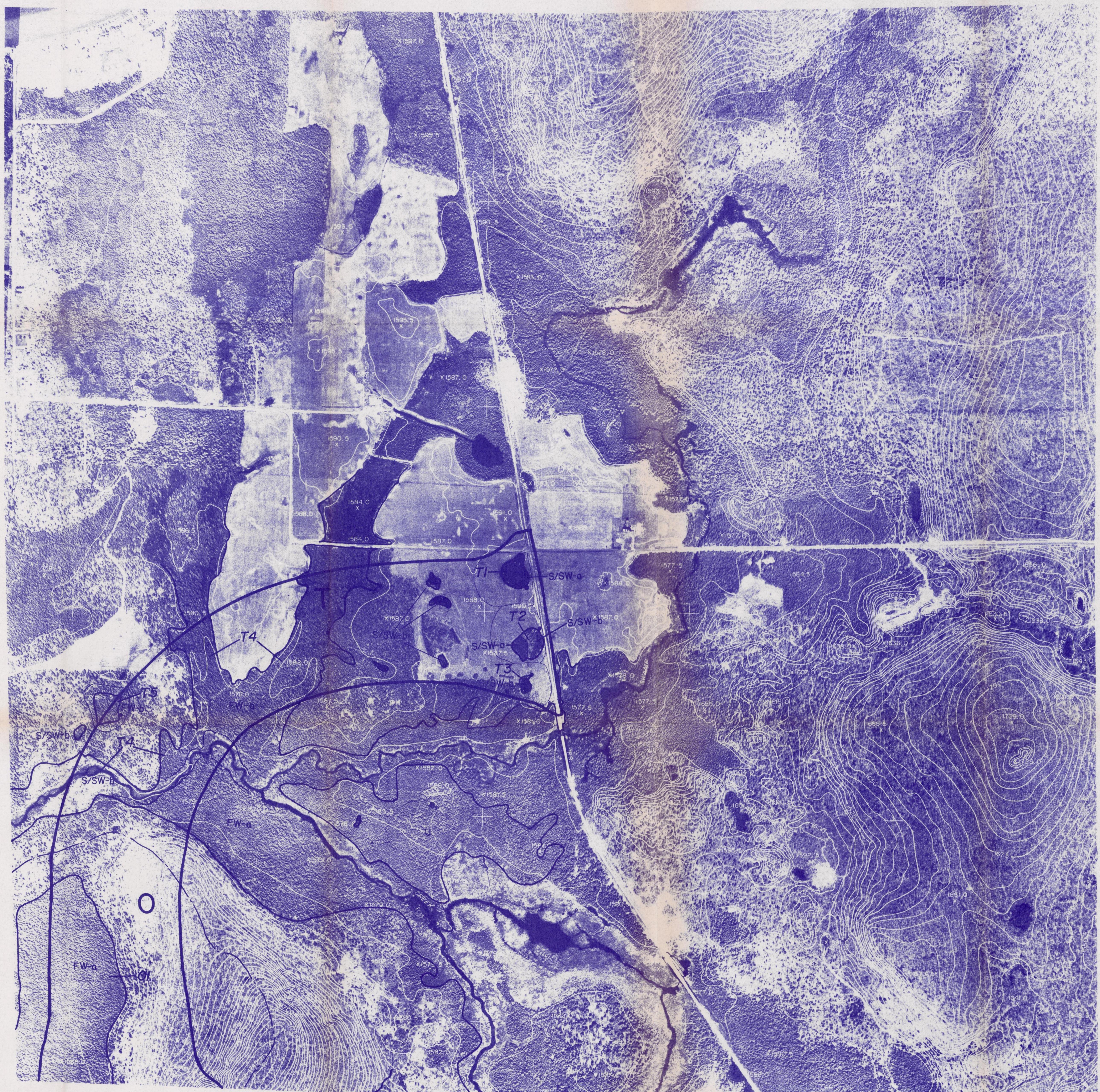
AERO-METRIC ENGINEERING PROJECT NO. 047613

0 400 800 1200 1600 2000

SCALE 1" = 400'

 PREPARED FOR  
**EXXON COMPANY, U.S.A.**  
 PREPARED BY  
 AERO-METRIC ENGINEERING, INC.  
 SHEBOYGAN, WISCONSIN

 TOPOGRAPHIC MAPPING  
 SECTIONS 13 & 24 T35N, R12E  
 SECTIONS 18 & 19 T35N, R13E  
 FOREST COUNTY, WISCONSIN

**H**

WATERSHED TITLE

**F-60** WETLAND TITLE

S/SW-b SCRUB-SHRUB WETLAND-BOG

S/SW-b SCRUB-SHRUB WETLAND-SHRUB SWAMP

FW-a FORESTED WETLAND-CONIFEROUS

FW-b FORESTED WETLAND-DECIDUOUS

EW-b EMERGENT WETLAND-PERMANENT

STUDY AREA BOUNDARY

WATERSHED BOUNDARY

WETLAND FLAG

WETLAND DIVIDER

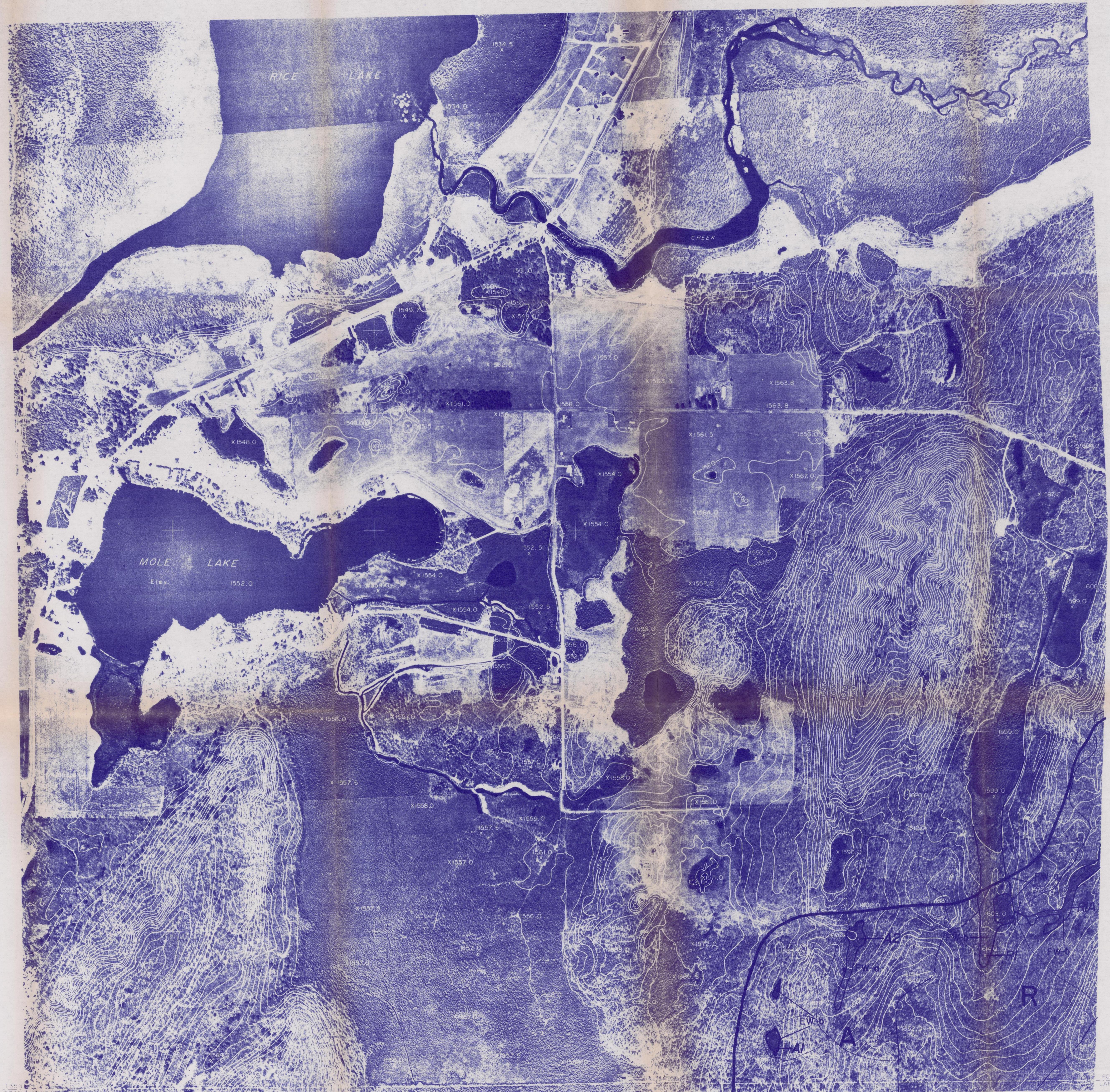
1	2	3
4	5	6
7	8	9

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY  
STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.  
CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM  
HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE  
SYSTEM.  
DATE OF PHOTOGRAPHY APRIL 28, 1976  
AERO-METRIC ENGINEERING PROJECT NO. 047613

0 400 800 1200 1600 2000  
SCALE 1" = 400'

PREPARED FOR  
**EXXON COMPANY, U.S.A.**  
PREPARED BY  
AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING  
SECTIONS 16 & 17 T35N, R13E  
SECTIONS 20 & 21 T35N, R13E  
FOREST COUNTY, WISCONSIN



FOREST CO. T35N  
LANGLADE CO. T34N

FOREST CO. T35N  
LANGLADE CO. T34N

<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b>

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY  
STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.  
CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM  
HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE  
SYSTEM.  
DATE OF PHOTOGRAPHY APRIL 28, 1976  
AERO-METRIC ENGINEERING PROJECT NO. 047613

## H

### WATERSHED TITLE

- F-60      WETLAND TITLE  
 S/SW-a    SCRUB-SHRUB WETLAND-BOG  
 S/SW-b    SCRUB-SHRUB WETLAND-SHRUB SWAMP  
 FW-a     FORESTED WETLAND- CONIFEROUS  
 FW-b     FORESTED WETLAND- DECIDUOUS  
 EW-b     EMERGENT WETLAND-PERMANENT

- STUDY AREA BOUNDARY  
 WATERSHED BOUNDARY  
 WETLAND FLAG  
 WETLAND DIVIDER

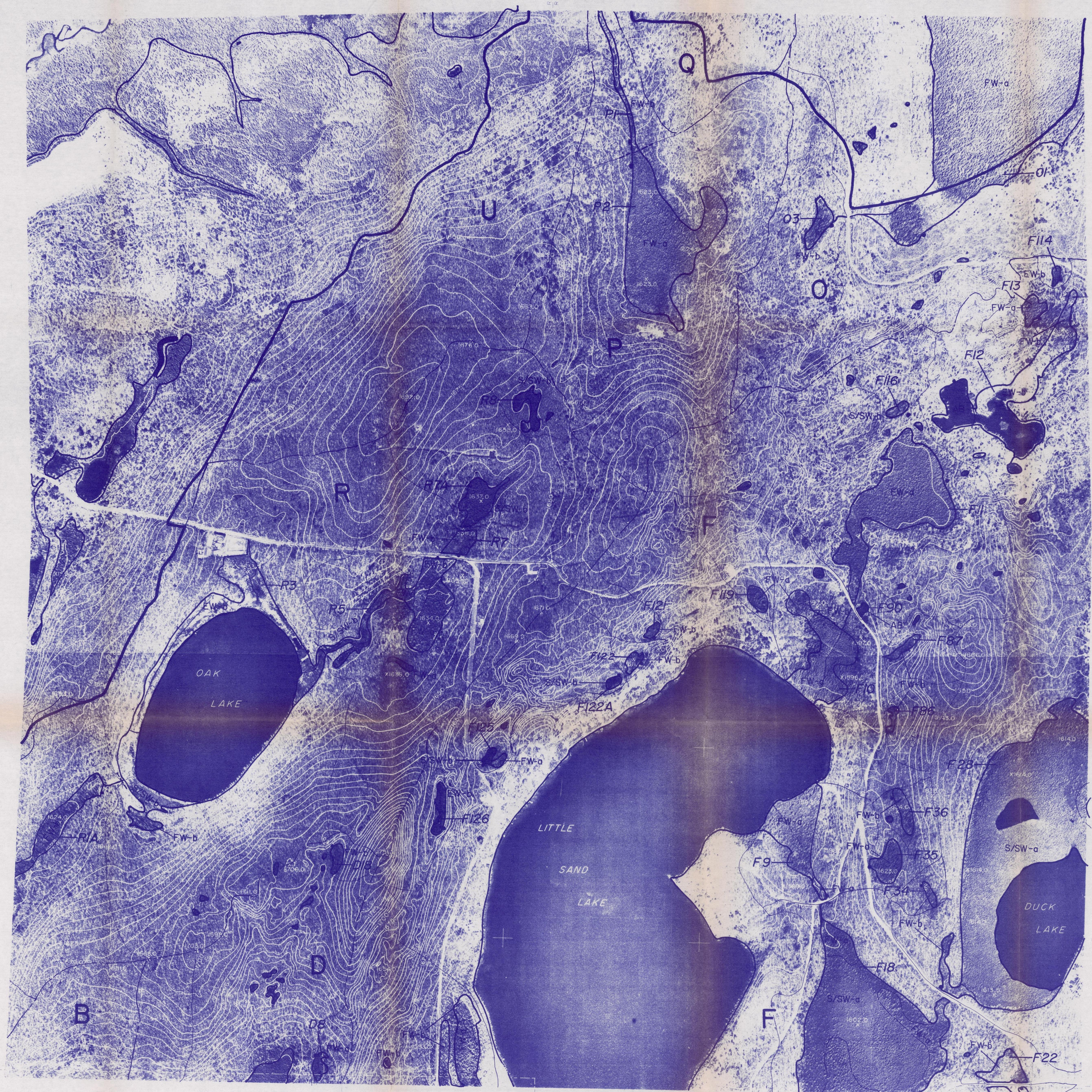
0    400    800    1200    1600    2000  
SCALE 1" = 400'

PREPARED FOR  
EXXON COMPANY, USA.  
PREPARED BY  
AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

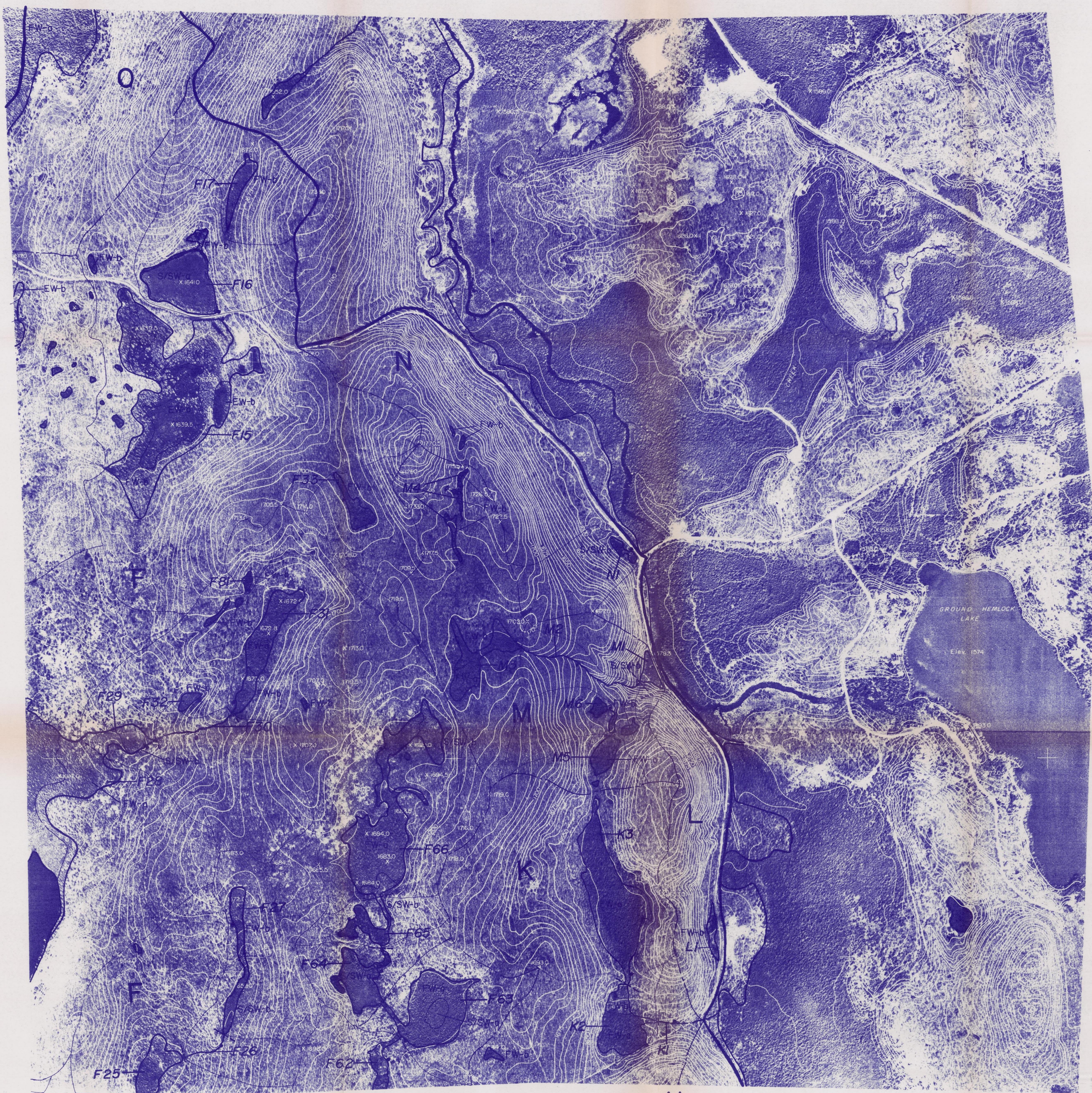
TOPOGRAPHIC MAPPING  
SECTIONS 26 & 27    T35N, R12E  
SECTIONS 34 & 35    T35N, R12E  
FOREST COUNTY, WISCONSIN

FIG. 4.3-1E

CHARLES M. WHITE MEMORIAL  
PUBLIC LIBRARY  
1325 CHURCH STREET  
SEASIDE POINT, WI 54021



WHITE RIVER  
WATERSHED  
STEERS POINT W. 33 E.  
SECTION 32 T. 35 N. R. 13 E.



**H** WATERSHED TITLE

**F-60** WETLAND TITLE

S/SW-a SCRUB-SHRUB WETLAND—BOG

S/SW-b SCRUB-SHRUB WETLAND—SHRUB SWAMP

FW-a FORESTED WETLAND—CONIFEROUS

FW-b FORESTED WETLAND—DECIDUOUS

EW-b EMERGENT WETLAND—PERMANENT

STUDY AREA BOUNDARY

WATERSHED BOUNDARY

WETLAND FLAG

WETLAND DIVIDER

1	2	3
4	5	6
7	8	9

0 400 800 1200 1600 2000

SCALE 1" = 400'

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY  
STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.

CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM  
HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE  
SYSTEM.

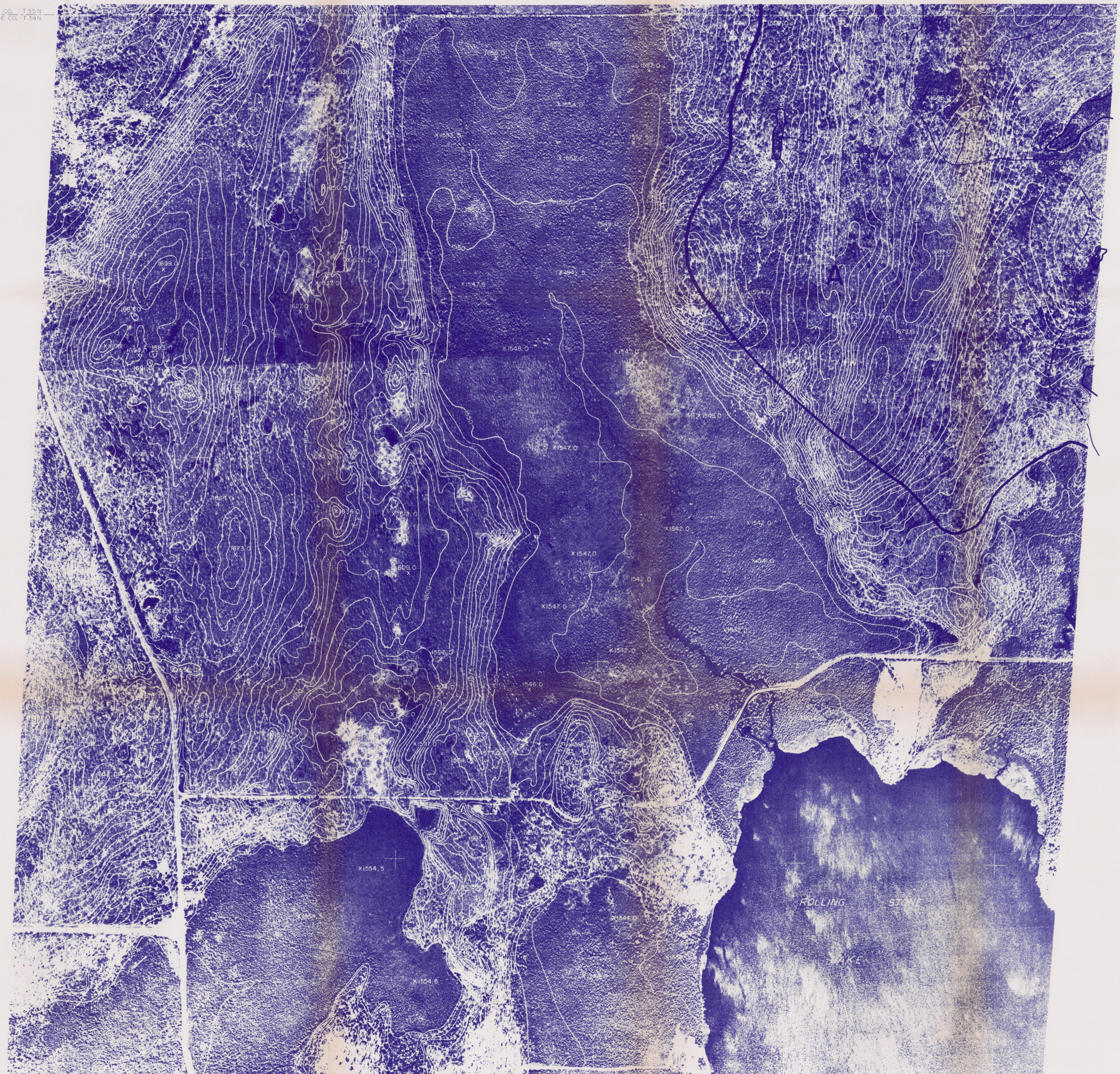
DATE OF PHOTOGRAPHY APRIL 28, 1976

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PREPARED FOR  
EXXON COMPANY, U.S.A.  
PREPARED BY

AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING  
SECTIONS 28 & 29 T35N, R13E  
SECTIONS 32 & 33 T35N, R13E  
FOREST COUNTY, WISCONSIN



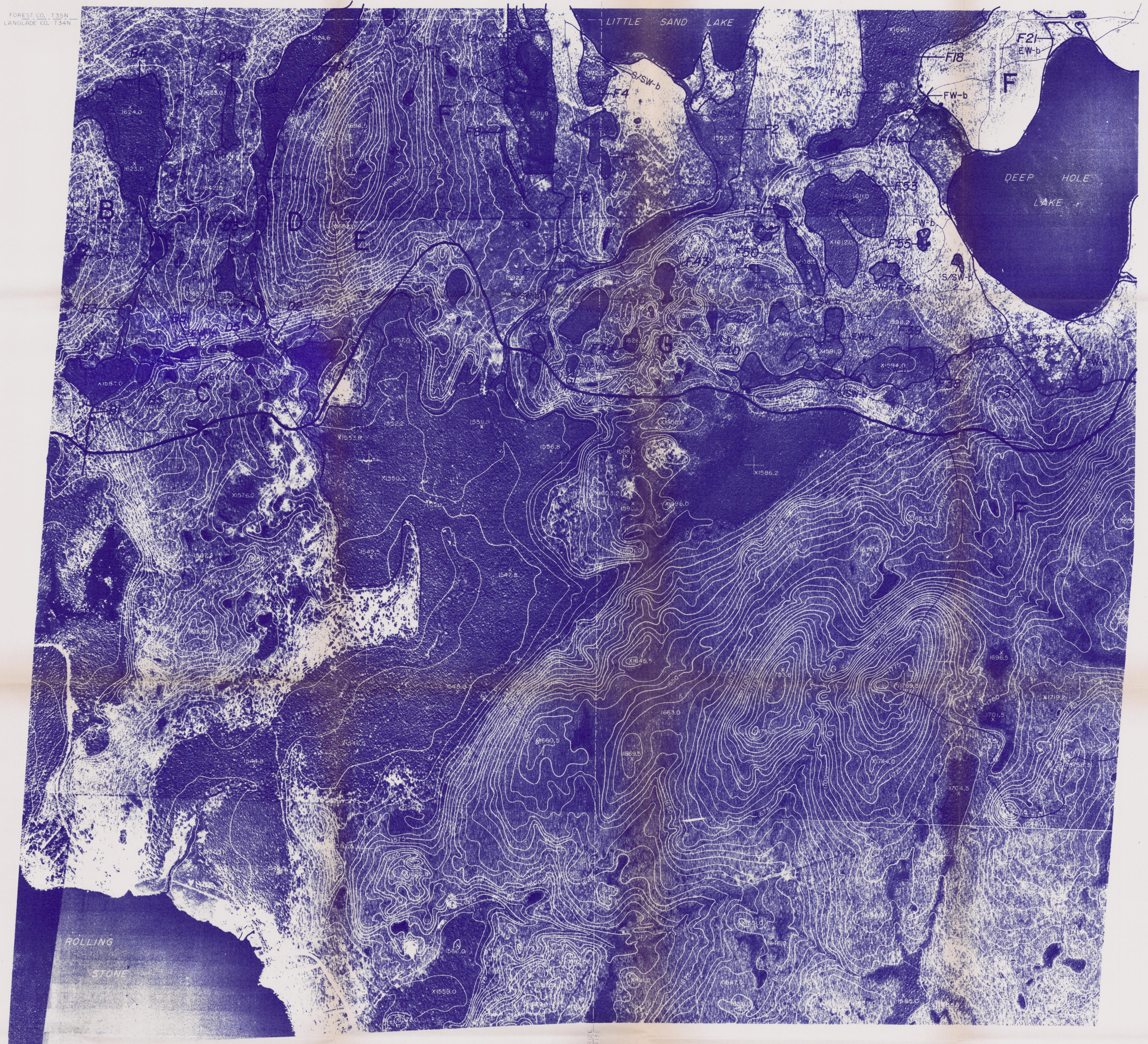
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HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE  
SYSTEM.  
DATE OF PHOTOGRAPHY APRIL 28, 1976  
AERO-METRIC ENGINEERING PROJECT NO. 047613

PREPARED BY  
AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING  
SECTIONS 2 & 3 T34N, R12E  
SECTIONS 10 & 11 T34N, R12E  
FOREST COUNTY, WISCONSIN

FIG. 4.3-1H

CHARLES M. WHITE  
PARK DISTRICT  
T34N R12E  
STEVENS POINT  
WISCONSIN



1	2	3
4	5	6
7	8	9

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY  
STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.

CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM  
HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE  
SYSTEM.

DATE OF PHOTOGRAPHY: APRIL 28, 1976

AERO-METRIC ENGINEERING PROJECT NO. 047613

LANGLADE CO. R12E  
FOREST CO.

#### H WATERSHED TITLE

- F-60 WETLAND TITLE
- S/SW-a SCRUB-SHRUB WETLAND-BOG
- S/SW-b SCRUB-SHRUB WETLAND-SHRUB SWAMP
- FW-a FORESTED WETLAND-CONIFEROUS
- FW-b FORESTED WETLAND-DECIDUOUS
- EW-b EMERGENT WETLAND-PERMANENT

STUDY AREA BOUNDARY

WATERSHED BOUNDARY

WETLAND FLAG

WETLAND DIVIDER

0 400 800 1200 1600 2000

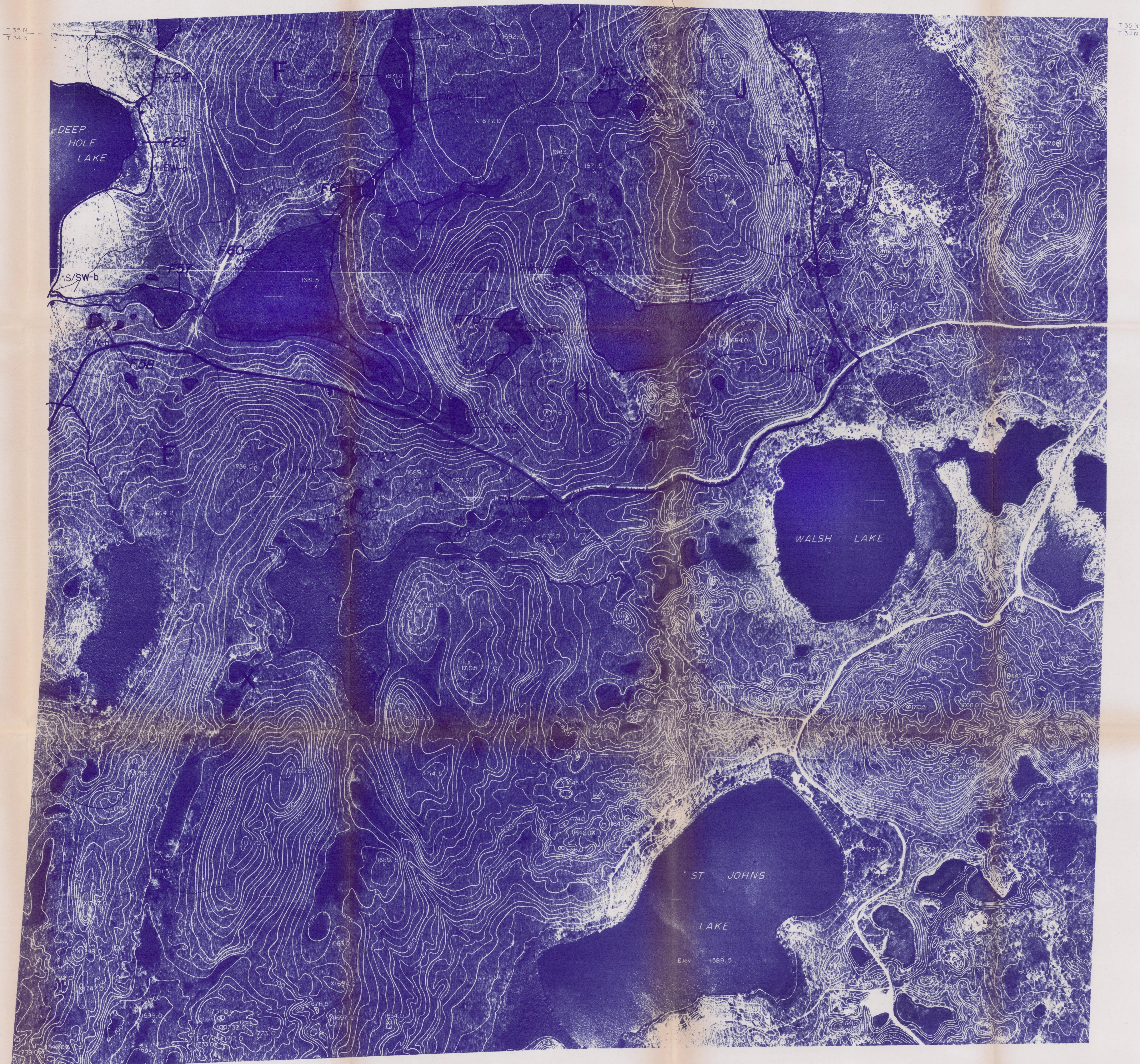
SCALE 1" = 400'


PREPARED BY  
AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING  
SECTIONS 1 & 12 T34N, R12E  
SECTIONS 6 & 7 T34N, R13E  
FOREST COUNTY, WISCONSIN

FIG. 4.3-11

BURGESS M. BRITTON  
1925-1975  
STEVENS POINT, WI 54481





THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR FIVE FOOT CONTOUR INTERVAL MAPPING.

CONTOUR INTERVAL FIVE FOOT BASED ON MEAN SEA LEVEL DATUM

HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM.

DATE OF PHOTOGRAPHY: APRIL 28, 1976

AERO-METRIC ENGINEERING PROJECT NO. 047613

#### TRANSECTS

- Plant
- - - Bird
- ..... Small Mammal

Spotted Salamander  
Drift Fence Location

NOTE: TRANSECTS ILLUSTRATED ARE NOT INTENDED TO IDENTIFY EXACT SAMPLING LOCATIONS BECAUSE OF LIMITATIONS IMPOSED BY THE SCALE OF THE MAP.

SCALE 1" = 1000'

C-TM-0113

PREPARED FOR  
EXXON COMPANY, U.S.A.  
PREPARED BY

AERO-METRIC ENGINEERING, INC.  
SHEBOYGAN, WISCONSIN

TOPOGRAPHIC MAPPING  
 SECTIONS 1,2,3,10,11,12 T34N,R12E  
 SECTIONS 13,14,15,22,23,24,25,26,27,34,35,36 T34N,R12E  
 SECTIONS 4,5,6,7,8,9 T34N,R13E  
 SECTIONS 16,17,18,19,20,21,28,29,30,31,32,33 T35N,R13E  
 FOREST & LANGLADE COUNTIES, WISCONSIN

WOLF RIVER WATERSHED

IN  
LANGLADE COUNTY  
FOREST COUNTY  
ONEIDA COUNTY

Prepared by:  
Wisconsin Department of Natural Resources  
Bureau of Land Management  
Biologist: Lloyd M. Andrews  
Draftsman: S. H. Philpot  
Date: November, 1972

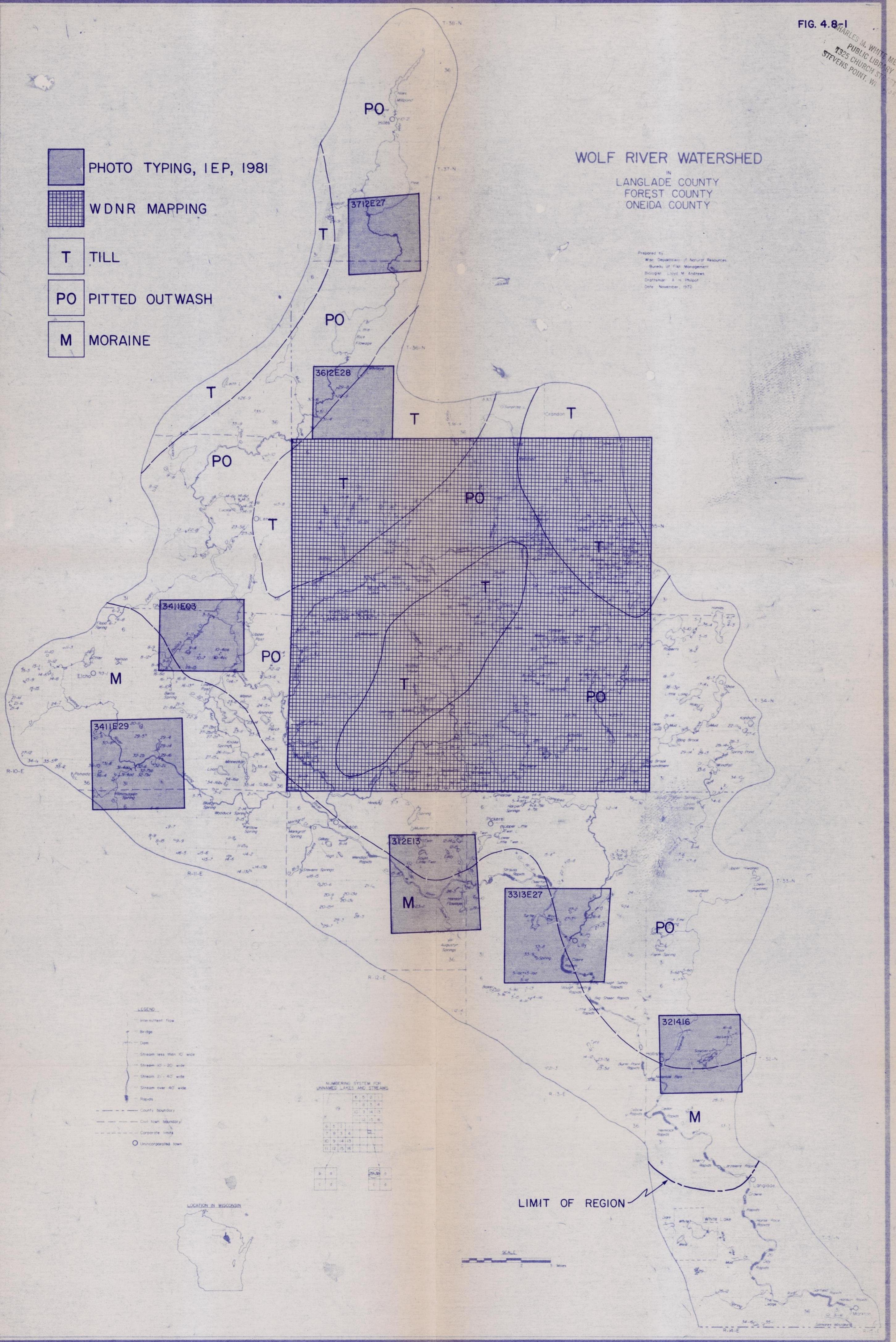
PHOTO TYPING, IEP, 1981

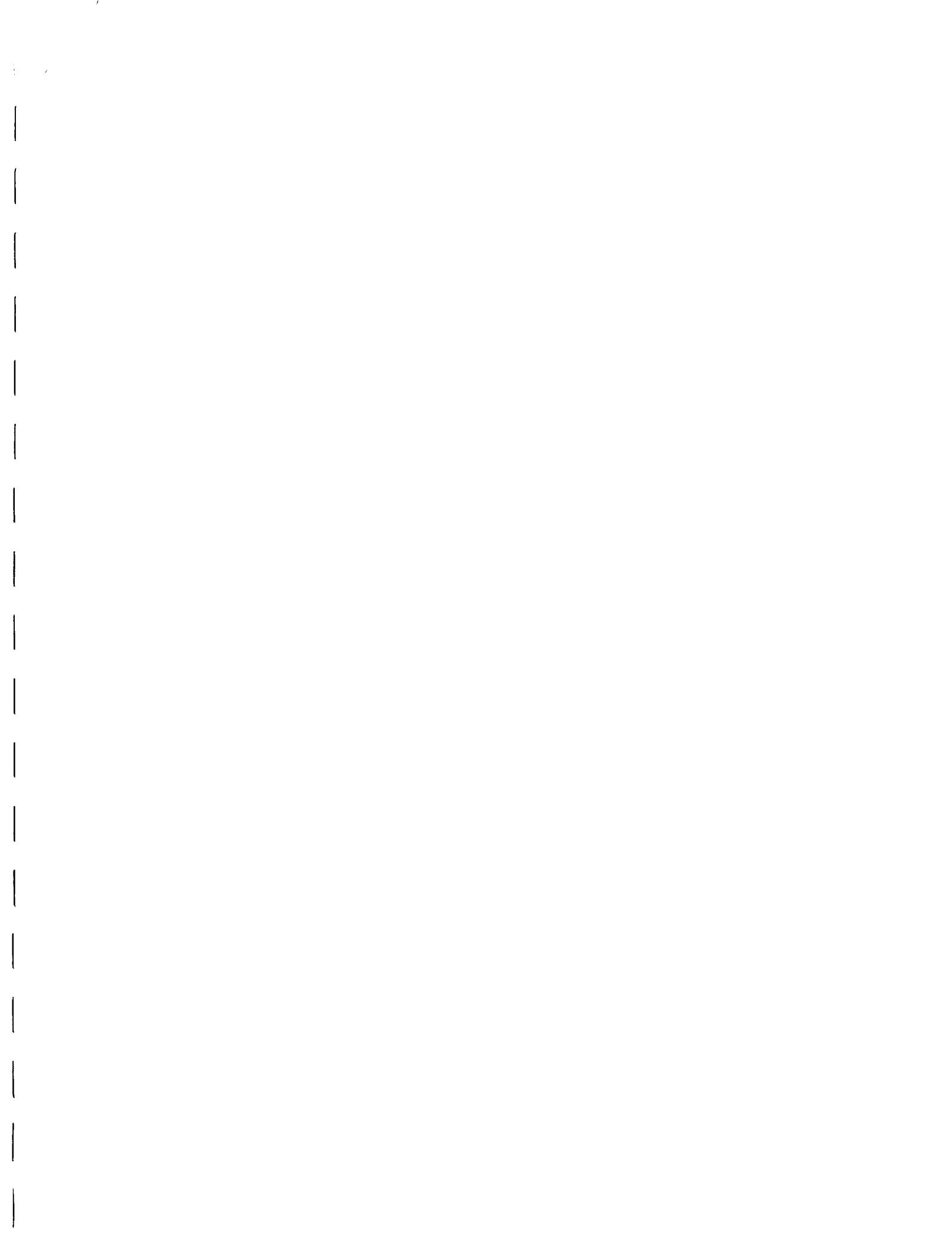
WDNR MAPPING

T TILL

PO PITED OUTWASH

M MORAINE





UW-STEVENS POINT



3 1775 621725 7