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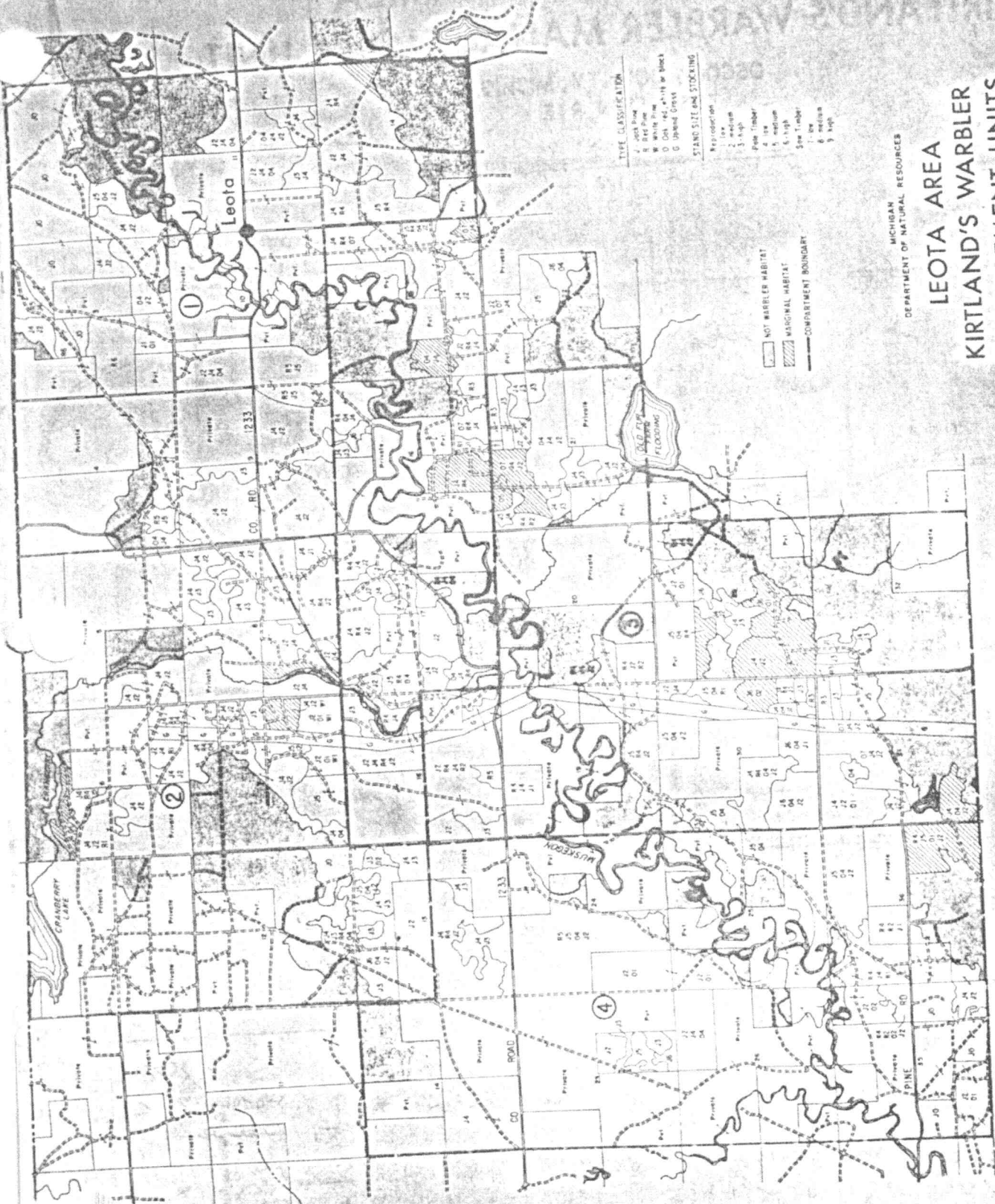
KIRTLAND'S WARBLER MANAGEMENT UNITS ON MICHIGAN STATE FOREST LAND

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-  Military Area Essential Habitat
-  U.S. Forest Service Critical Habitat
-  State Forest Critical Habitat

KIRTLAND'S WARBLER ESSENTIAL AND CRITICAL HABITAT



**TYPE CLASSIFICATION**

- 1 Oak Pine
- 2 Red Pine
- 3 White Pine
- 4 Oak red, white or black
- 5 Upland Grass

**STAND SIZE AND STOCKING**

Reproduction

- 1 low
- 2 medium
- 3 high

Stem Timber

- 4 low
- 5 medium
- 6 high

Size Timber

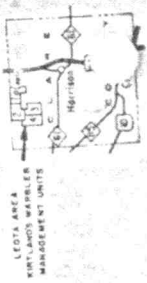
- 1 low
- 2 medium
- 3 high

NOT WARBLER HABITAT  
 MARGINAL HABITAT  
 COMPARTMENT BOUNDARY

MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES

# LEOTA AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

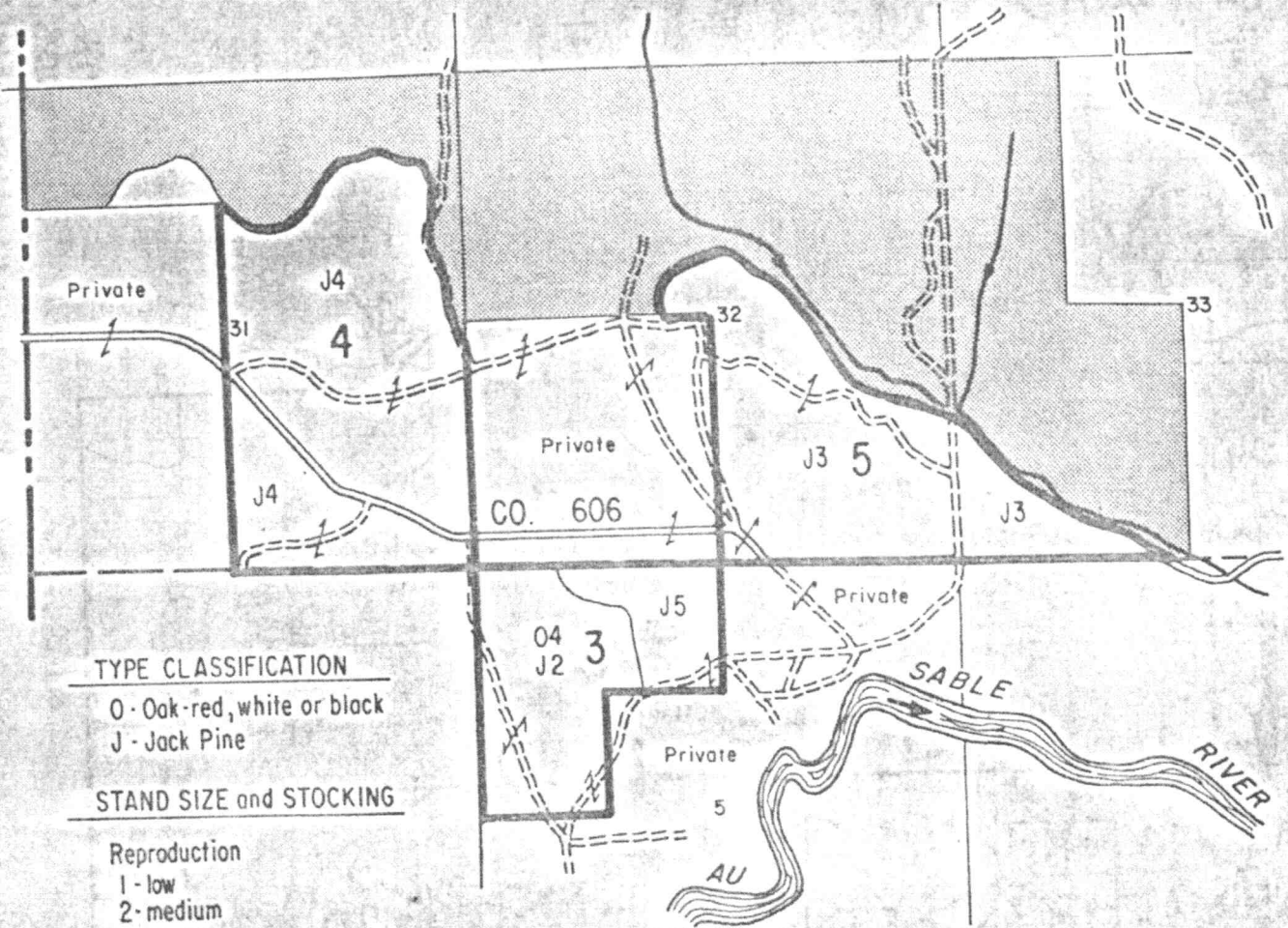
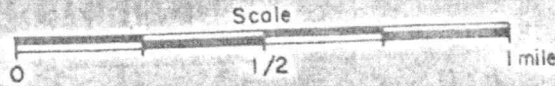
CLARE COUNTY, MICHIGAN  
T20N, R5B6W



# WARBLER MONUMENT AREA

## KIRTLAND'S WARBLER MANAGEMENT UNIT

OSCODA COUNTY, MICHIGAN  
T26 and 27N, R1E



### TYPE CLASSIFICATION

- O - Oak-red, white or black
- J - Jack Pine

### STAND SIZE and STOCKING

#### Reproduction

- 1 - low
- 2 - medium
- 3 - high

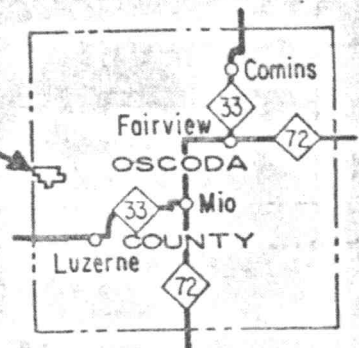
#### Pole Timber

- 4 - low
- 5 - medium
- 6 - high

NOT WARBLER HABITAT

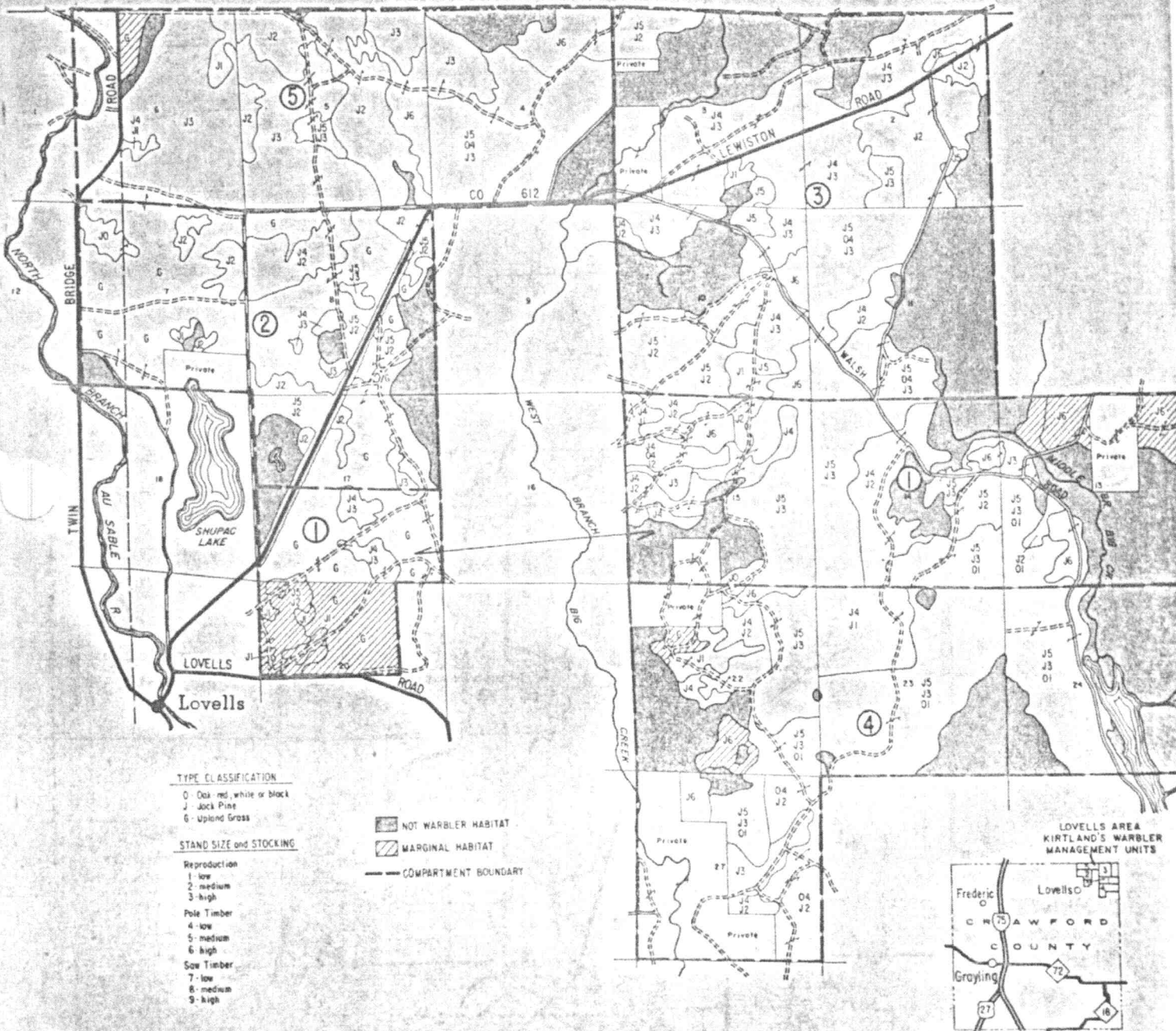
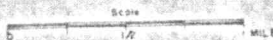
MARGINAL HABITAT

WARBLER MONUMENT AREA  
KIRTLAND'S WARBLER  
MANAGEMENT UNIT



# LOVELLS AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

CRAWFORD COUNTY, MICHIGAN  
T 28 N, R 1 and 2 W



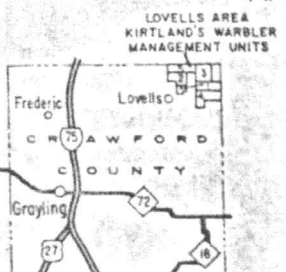
**TYPE CLASSIFICATION**

- 0 Oak red, white or black
- 1 Jack Pine
- 2 Upland Grass

**STAND SIZE and STOCKING**

- Reproduction**
- 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber**
- 4 - low
  - 5 - medium
  - 6 - high
- Saw Timber**
- 7 - low
  - 8 - medium
  - 9 - high

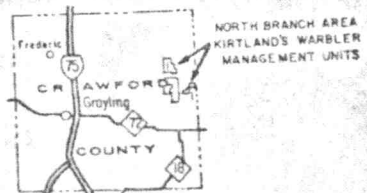
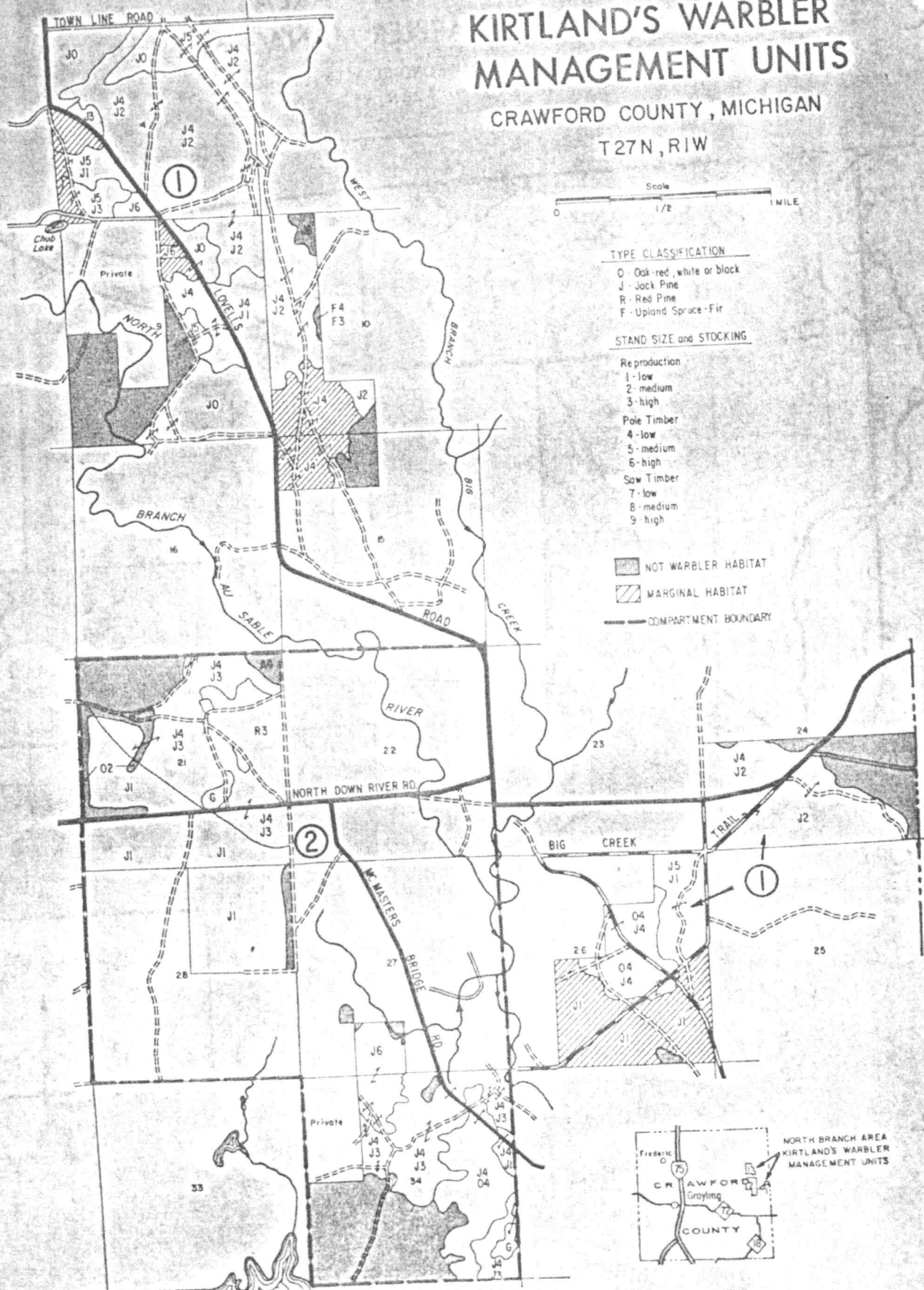
- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY



# NORTH BRANCH AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

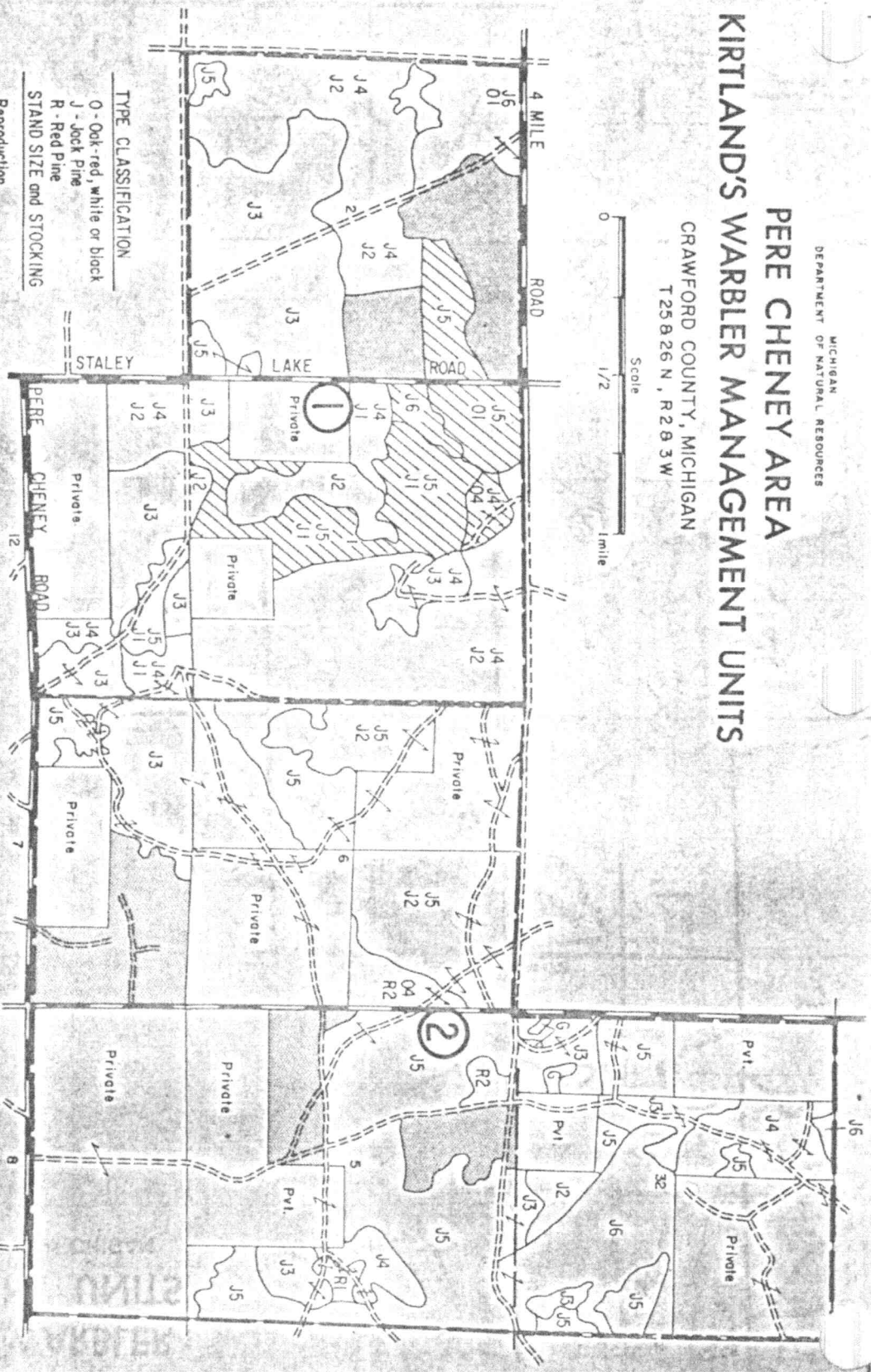
CRAWFORD COUNTY, MICHIGAN

T27N, R1W



# PERE CHENEY AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

CRAWFORD COUNTY, MICHIGAN  
T 25826 N, R 283 W



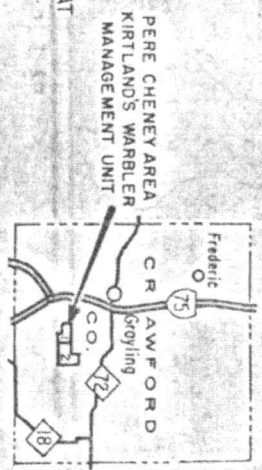
TYPE CLASSIFICATION

- 0 - Oak-red, white or black
- J - Jack Pine
- R - Red Pine

STAND SIZE and STOCKING

- Reproduction
- 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber
- 4 - low
  - 5 - medium
  - 6 - high

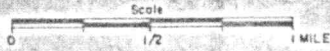
- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY



# STALEY LAKE AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

CRAWFORD COUNTY, MICHIGAN

T26N, R3W



**TYPE CLASSIFICATION**

- O - Oak-red, white or black
- J - Jack Pine
- R - Red Pine
- G - Upland Grass

**STAND SIZE and STOCKING**

**Reproduction**

- 1 - low
- 2 - medium
- 3 - high

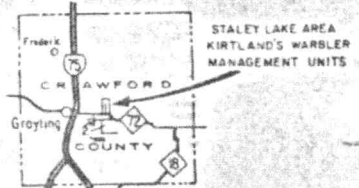
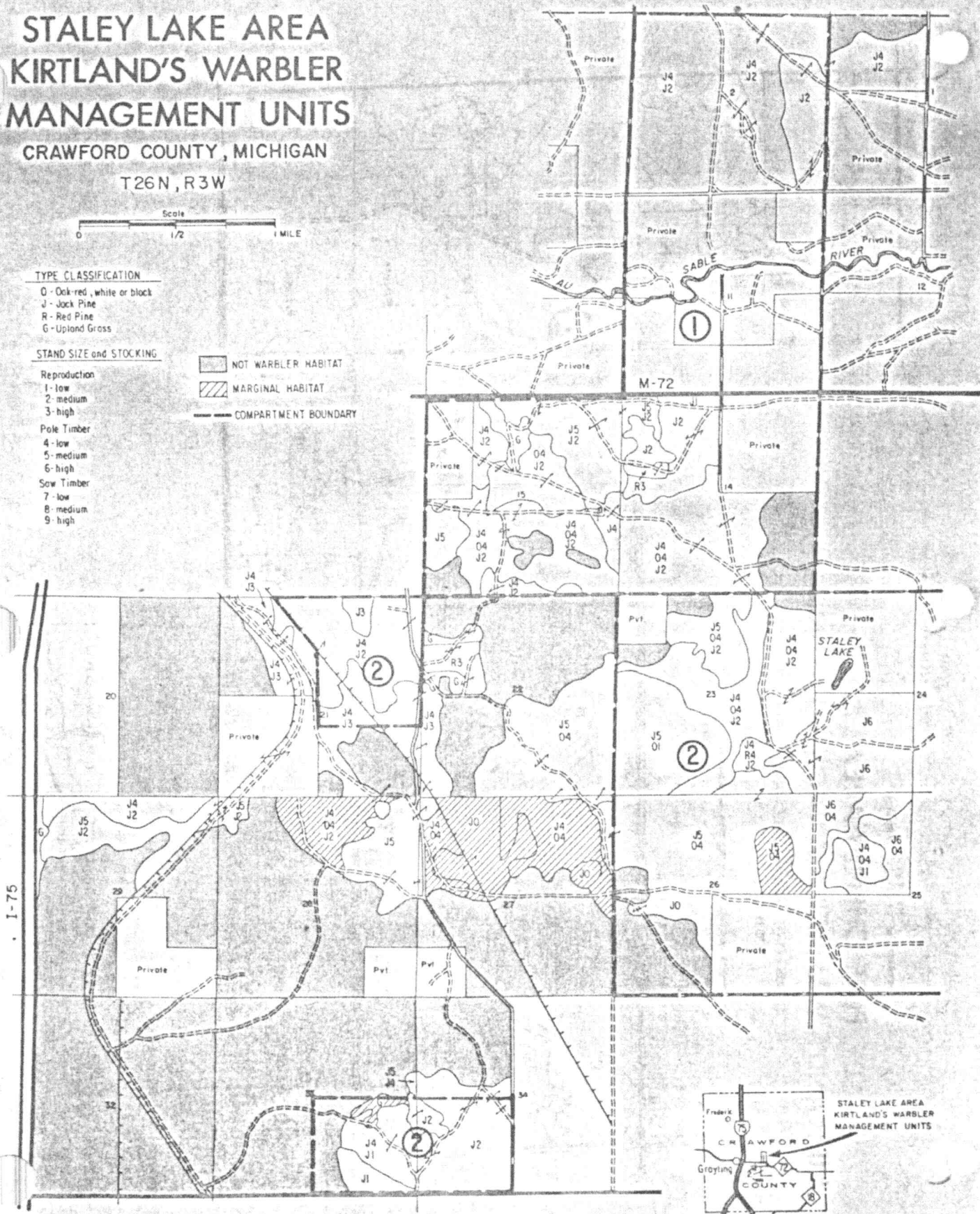
**Pole Timber**

- 4 - low
- 5 - medium
- 6 - high

**Sow Timber**

- 7 - low
- 8 - medium
- 9 - high

- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY

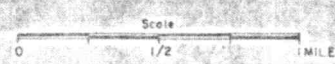




# FLETCHER ROAD AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

KALKASKA and CRAWFORD COUNTIES, MICHIGAN

T 25 N, R 4 and 5 W



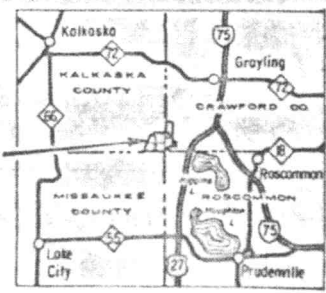
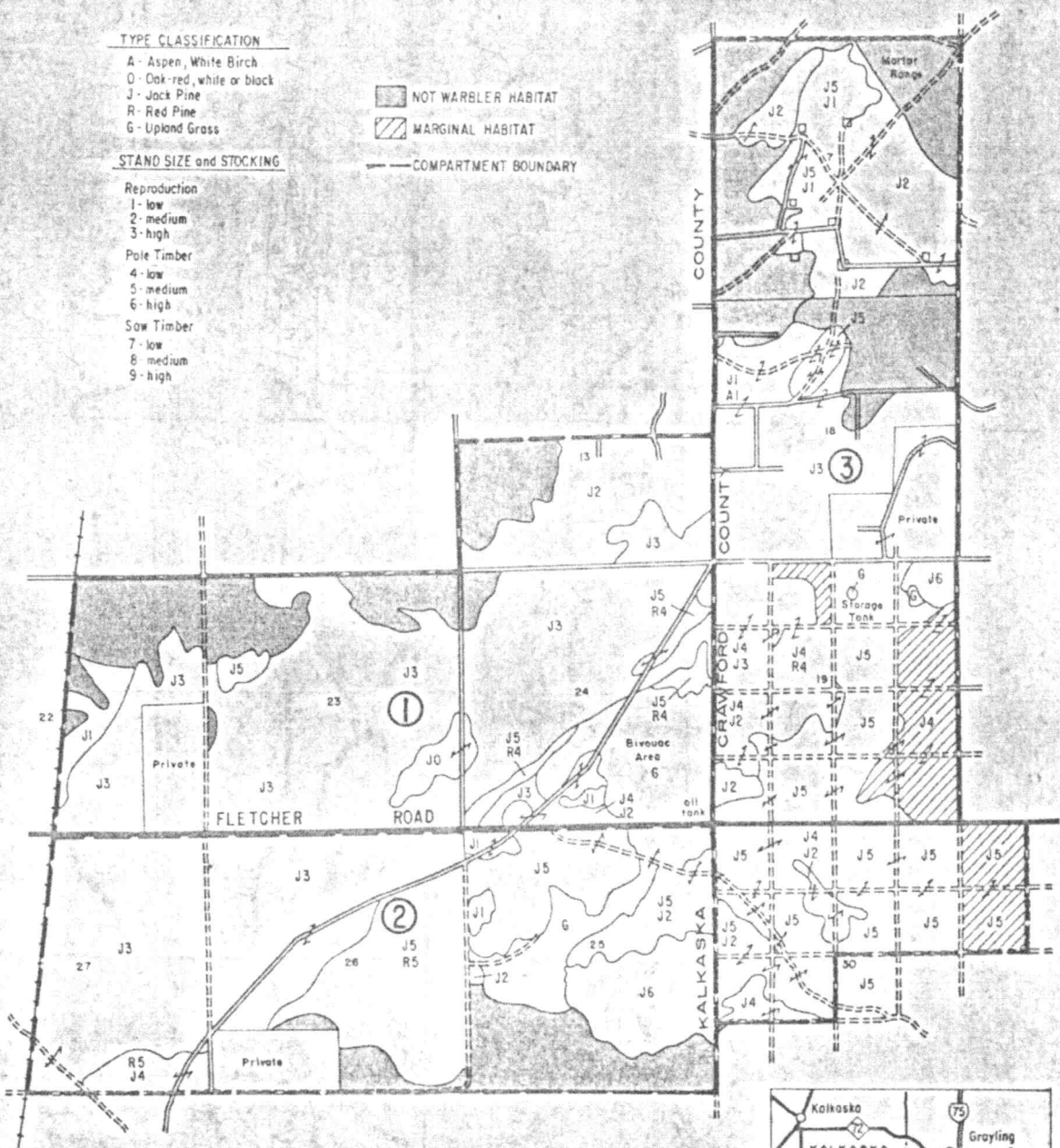
**TYPE CLASSIFICATION**

- A - Aspen, White Birch
- O - Oak-red, white or black
- J - Jack Pine
- R - Red Pine
- G - Upland Grass

**STAND SIZE and STOCKING**

- Reproduction
  - 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber
  - 4 - low
  - 5 - medium
  - 6 - high
- Saw Timber
  - 7 - low
  - 8 - medium
  - 9 - high

- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY



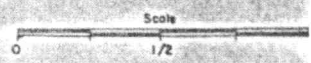
# MANISTEE RIVER AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

KALKASKA & CRAWFORD CO'S., MICH.  
T 27N, R 4&5W

MANISTEE RIVER AREA  
KIRTLAND'S WARBLER  
MANAGEMENT UNITS



MICHIGAN  
DEPARTMENT OF NATURAL RESOURCE



**TYPE CLASSIFICATION**

- J - Jack Pine
- O - Oak - red, white or black
- R - Red Pine
- G - Upland Grass
- U - Upland Brush

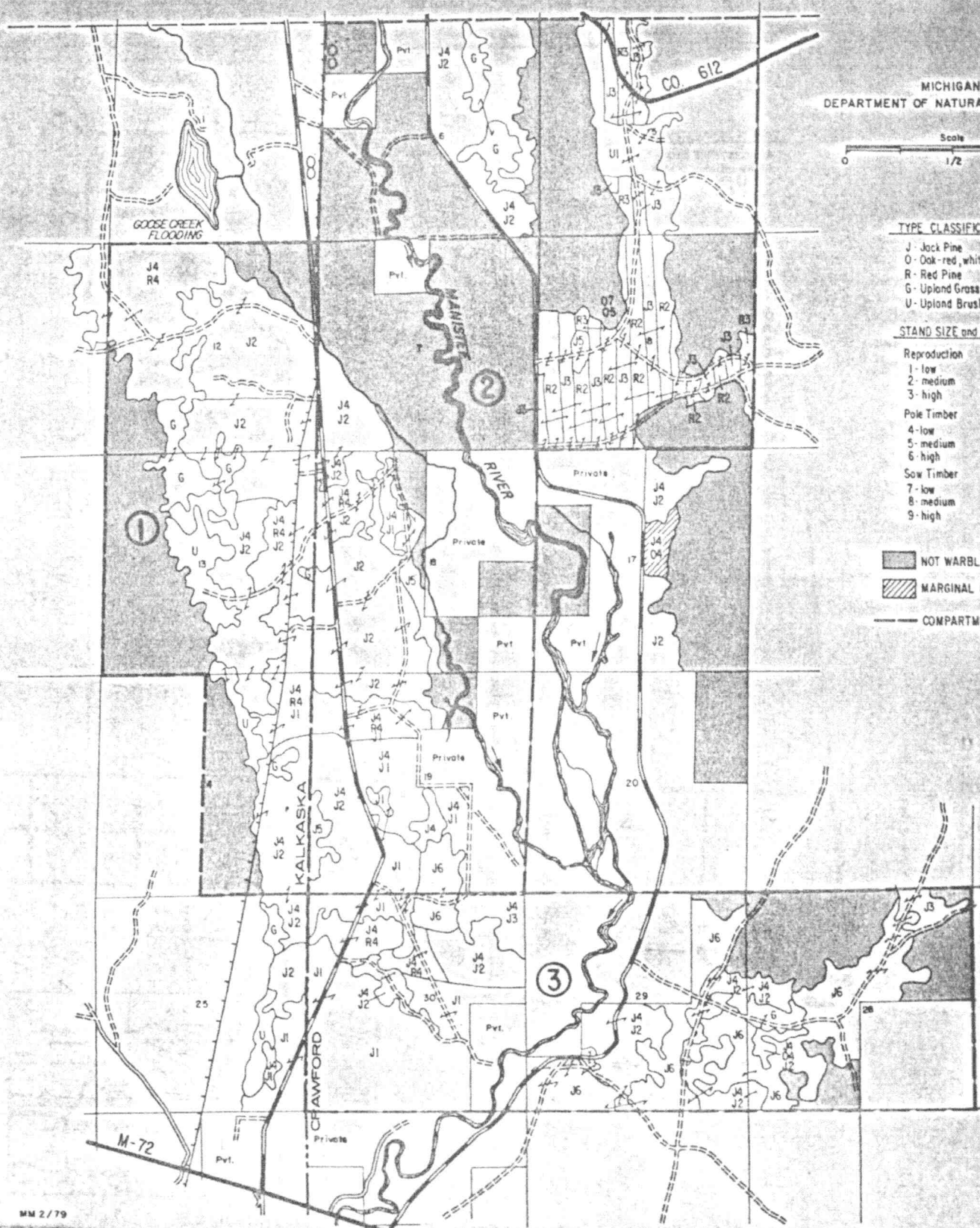
**STAND SIZE and STOCKING**

- Reproduction
- 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber
- 4 - low
  - 5 - medium
  - 6 - high
- Saw Timber
- 7 - low
  - 8 - medium
  - 9 - high

NOT WARBLER HABITAT

MARGINAL HABITAT

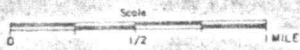
COMPARTMENT BOUNDARY



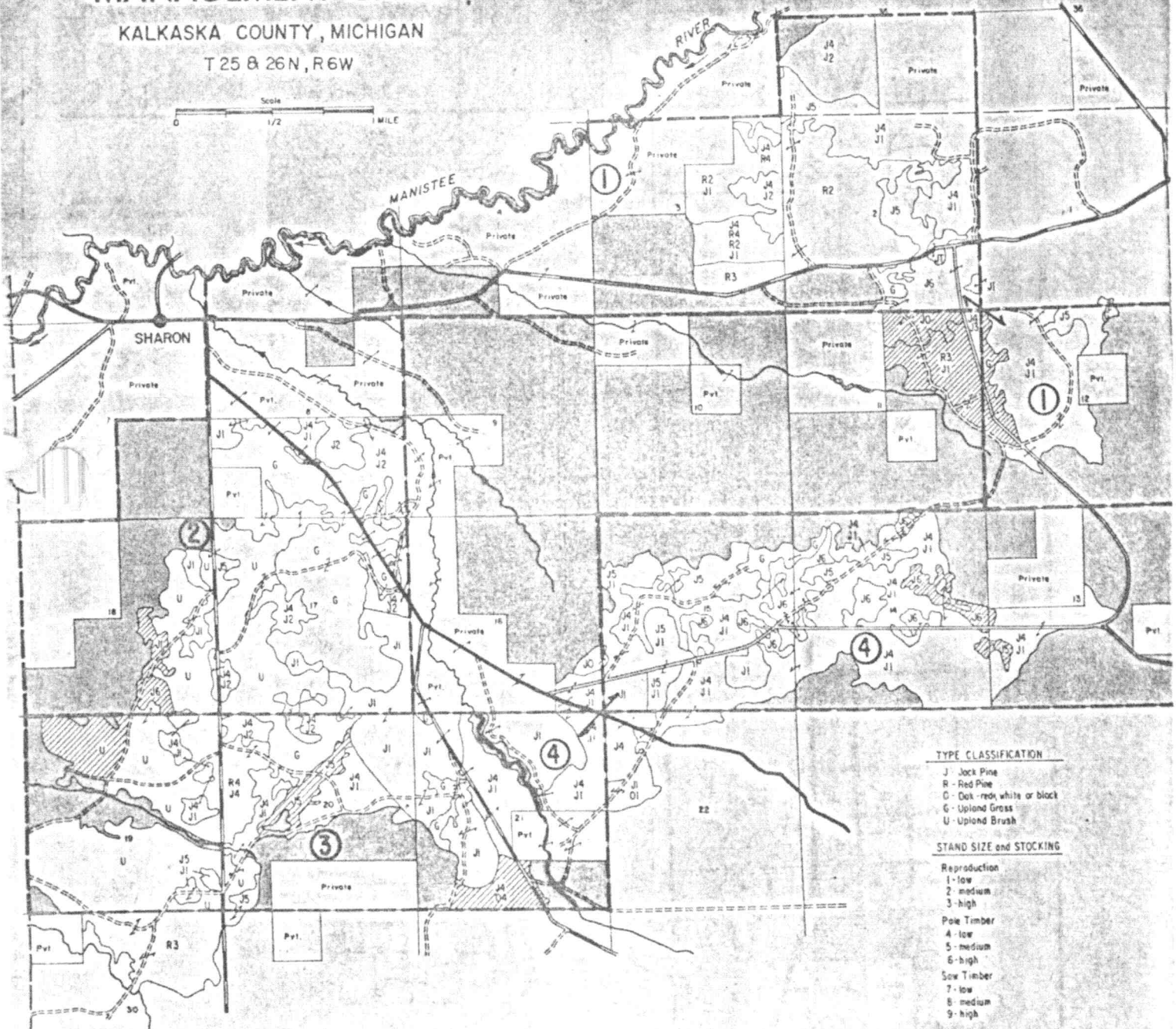
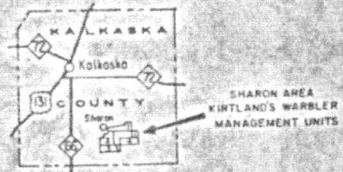
MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES

# SHARON AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

KALKASKA COUNTY, MICHIGAN  
T 25 & 26 N, R 6 W



- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY



**TYPE CLASSIFICATION**

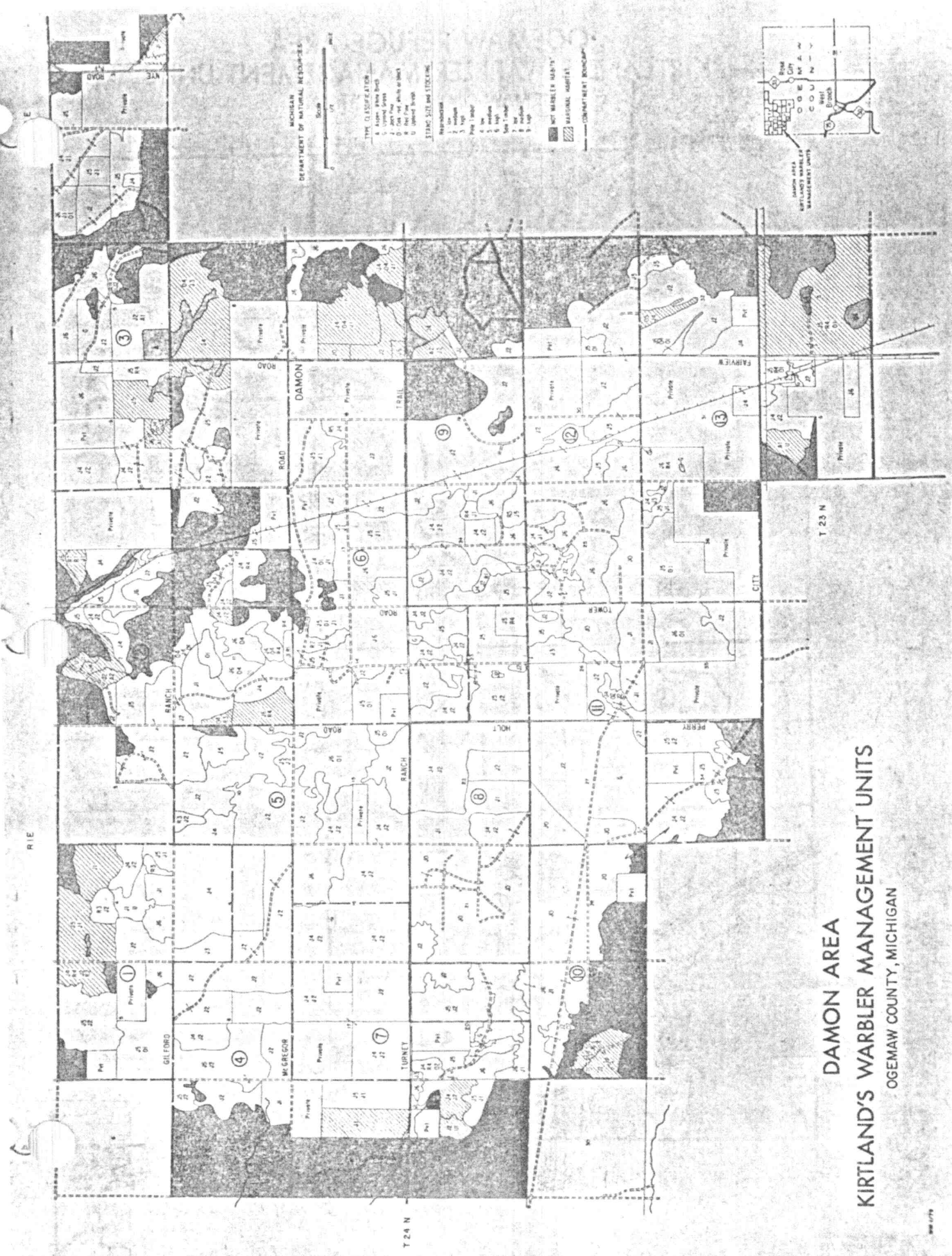
- J - Jack Pine
- R - Red Pine
- C - Oak - red white or black
- G - Upland Grass
- U - Upland Brush

**STAND SIZE and STOCKING**

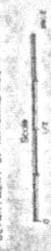
- Reproduction
  - 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber
  - 4 - low
  - 5 - medium
  - 6 - high
- Saw Timber
  - 7 - low
  - 8 - medium
  - 9 - high

KIRTLAND'S WARBLER  
 MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
 MANISTEE COUNTY, MICHIGAN





MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES



- TYPE OF ASSOCIATION**
- 1. Upland Forest
  - 2. Wetland Forest
  - 3. Wetland Forest
  - 4. Wetland Forest
  - 5. Wetland Forest
  - 6. Wetland Forest
  - 7. Wetland Forest
  - 8. Wetland Forest
  - 9. Wetland Forest
  - 10. Wetland Forest
  - 11. Wetland Forest
  - 12. Wetland Forest
  - 13. Wetland Forest

**STUMP SIZE AND STOCKING**

- STUMP SIZE**
- 1. 10-15"
  - 2. 16-20"
  - 3. 21-25"
  - 4. 26-30"
  - 5. 31-35"
  - 6. 36-40"
  - 7. 41-45"
  - 8. 46-50"
  - 9. 51-55"
  - 10. 56-60"
  - 11. 61-65"
  - 12. 66-70"
  - 13. 71-75"
  - 14. 76-80"
  - 15. 81-85"
  - 16. 86-90"
  - 17. 91-95"
  - 18. 96-100"

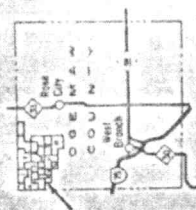
**STOCKING**

- 1. 10%
- 2. 15%
- 3. 20%
- 4. 25%
- 5. 30%
- 6. 35%
- 7. 40%
- 8. 45%
- 9. 50%
- 10. 55%
- 11. 60%
- 12. 65%
- 13. 70%
- 14. 75%
- 15. 80%
- 16. 85%
- 17. 90%
- 18. 95%
- 19. 100%

**NOT WARBLES HABITAT**

**NATURAL HABITAT**

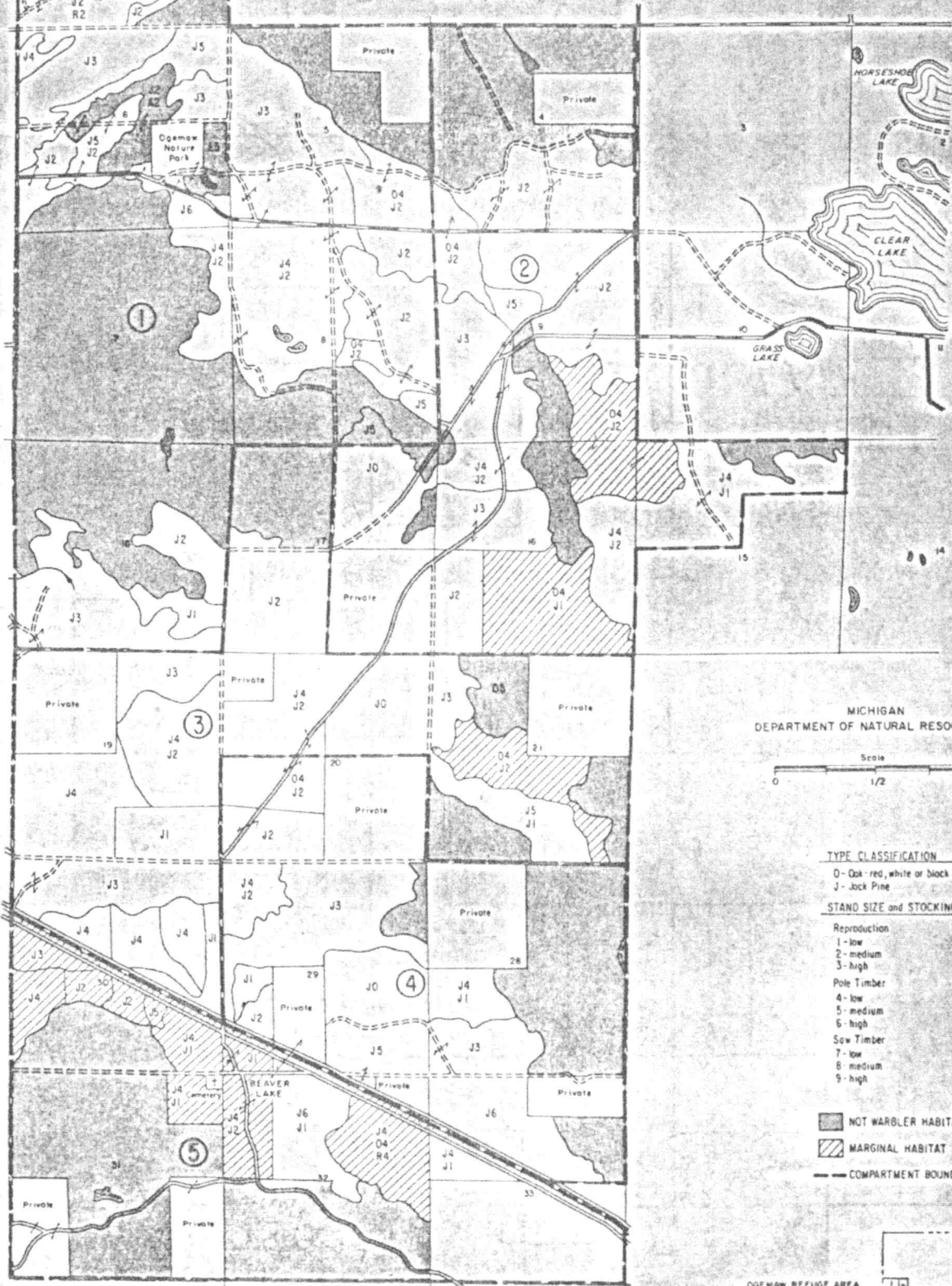
**CONTRACTED BOUNDARY**



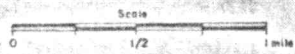
**DAMON AREA**  
**KIRTLAND'S WARBLER MANAGEMENT UNITS**  
OGEMAW COUNTY, MICHIGAN

# OGEMAW REFUGE AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

## OGEMAW COUNTY, MICHIGAN T23N, R1E



MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES



**TYPE CLASSIFICATION**

- 0 - Oak-red, white or black
- J - Jack Pine

**STAND SIZE and STOCKING**

**Reproduction**

- 1 - low
- 2 - medium
- 3 - high

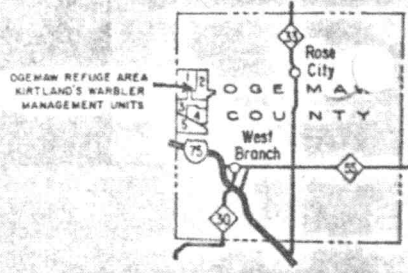
**Pole Timber**

- 4 - low
- 5 - medium
- 6 - high

**Saw Timber**

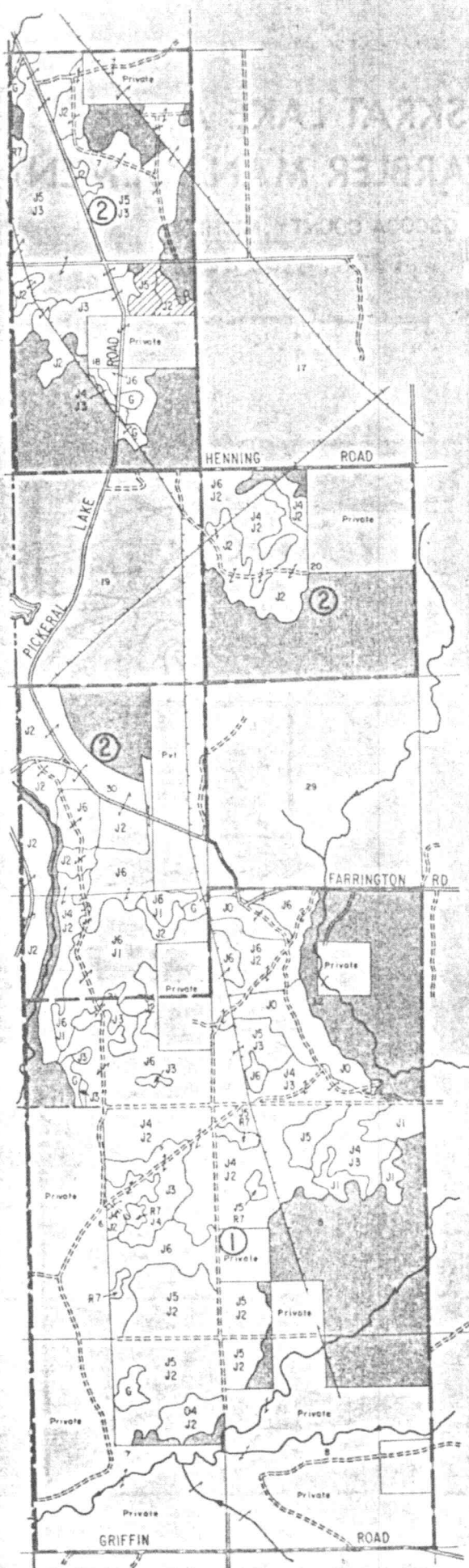
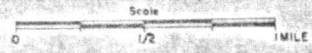
- 7 - low
- 8 - medium
- 9 - high

- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY



# BIG CREEK AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

OSCODA COUNTY, MICHIGAN  
T 27 and 28 N, R 1 E



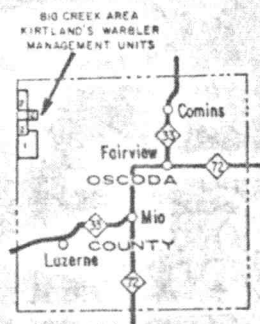
**TYPE CLASSIFICATION**

- O - Oak red, white or black
- J - Jack Pine
- R - Red Pine
- G - Upland Grass

**STAND SIZE and STOCKING**

- Reproduction
  - 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber
  - 4 - low
  - 5 - medium
  - 6 - high
- Sow Timber
  - 7 - low
  - 8 - medium
  - 9 - high

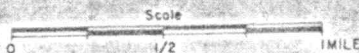
- NOT WARBLER HABITAT
- MARGINAL HABITAT
- COMPARTMENT BOUNDARY



# MUSKRAT LAKE AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

OSCODA COUNTY, MICHIGAN

T 27 N, R 1 and 2 E



**TYPE CLASSIFICATION**

- O - Oak, red, white or black
- J - Jack Pine
- R - Red Pine
- A - Aspen, White Birch

**STAND SIZE and STOCKING**

**Reproduction**

- 1 - low
- 2 - medium
- 3 - high

**Pole Timber**

- 4 - low
- 5 - medium
- 6 - high

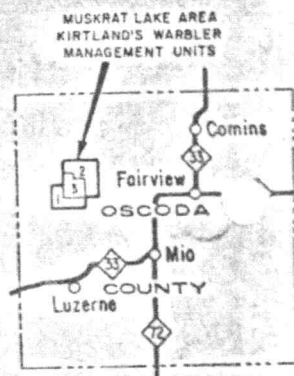
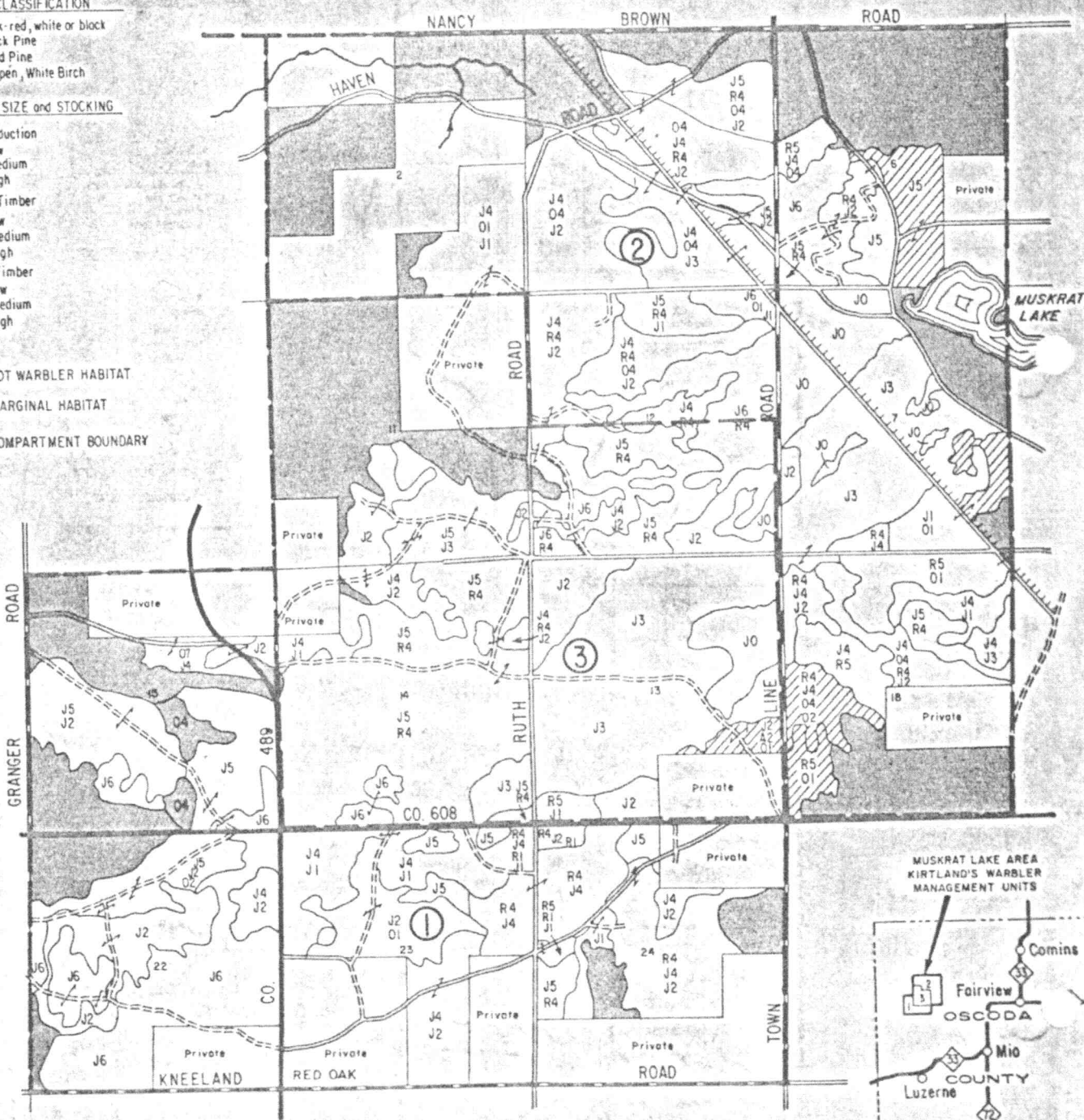
**Saw Timber**

- 7 - low
- 8 - medium
- 9 - high

NOT WARBLER HABITAT

MARGINAL HABITAT

COMPARTMENT BOUNDARY








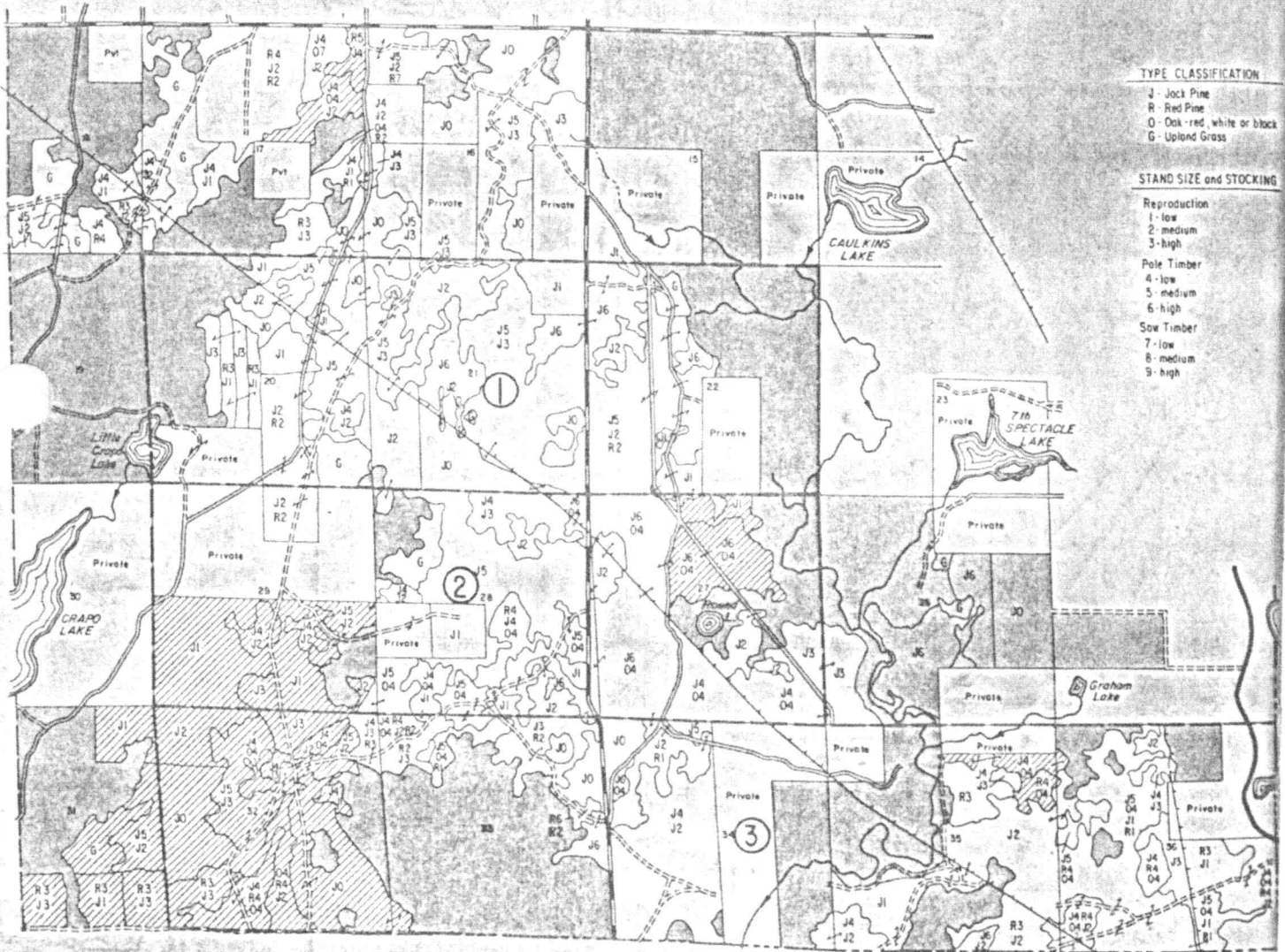
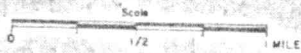
MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES

# CRAPO LAKE AREA KIRTLAND'S WARBLER MANAGEMENT UNITS

OTSEGO COUNTY, MICHIGAN

T29N, R1W

-  NOT WARBLER HABITAT
-  MARGINAL HABITAT
-  COMPARTMENT BOUNDARY



**TYPE CLASSIFICATION**

- J - Jack Pine
- R - Red Pine
- O - Oak - red, white or black
- G - Upland Grass

**STAND SIZE and STOCKING**

- Reproduction
  - 1 - low
  - 2 - medium
  - 3 - high
- Pole Timber
  - 4 - low
  - 5 - medium
  - 6 - high
- Saw Timber
  - 7 - low
  - 8 - medium
  - 9 - high

