

Objective: To estimate the number of gypsy moth egg masses above and below snowline

Time of Year: August-April; whenever the ground is snowfree

Equipment Needed: Rope to measure 18.6'  
2' measure  
Baggie or other container to collect egg masses

Data Sheets Needed: "Gypsy Moth Survey"

Procedure: See "Instructions for Gypsy Moth Survey; September 1978", attached. See "Gypsy Moth Egg Mass Counting" for information on aging egg masses

Interpreting Results:

Over 500 egg masses/acre has the potential for significant defoliation

Less than 200 egg masses/acre

Instructions for Gypsy Moth Survey  
September 1978

1. Area ID #: Give the area a letter - number ID using the first letter of the town and a consecutive numbering system (ex. C-1 for 1st area checked in Colchester).

2. Species Composition: Estimate the percentage of major tree species in the area. If the area consists mainly of

egg mass plots unless requested by the owner. Do record all other data. If egg mass plots are justified, you may wish to determine species composition after you've established the plots. Species composition does not have to add up to 100%.

3. Plot Data: Randomly establish 1/40 acre plots using the following guidelines:

BLOCK NAME \_\_\_\_\_ EVALUATOR(s) \_\_\_\_\_  
 BLOCK SIZE(acres) \_\_\_\_\_ ROCK OUTCROPS(circle) present absent  
 SPECIES COMPOSITION: \_\_\_\_\_ BASAL AREA or % OF TOTAL \_\_\_\_\_

OAK \_\_\_\_\_  
 BIRCH \_\_\_\_\_  
 ASPEN \_\_\_\_\_

OTHER MAJOR SPECIES(list) \_\_\_\_\_

NUMBER OF EGG MASSES PER FIVE MINUTE WALK \_\_\_\_\_ PERCENT OLD MASSES \_\_\_\_\_

LINE 1 \_\_\_\_\_ LINE 2 \_\_\_\_\_ LINE 3 \_\_\_\_\_ LINE 4 \_\_\_\_\_ LINE 5 \_\_\_\_\_ LINE 6 \_\_\_\_\_ LINE 7 \_\_\_\_\_ LINE 8 \_\_\_\_\_

LOCATION OF EGG MASSES(circle) \_\_\_\_\_

NUMBER OF NEW EGG MASSES PER 1/40 ACRE PLOT (18.6' radius)

PLOT#	BELOW 2'	ABOVE 2'	TOTAL	PLOT#	BELOW 2'	ABOVE 2'	TOTAL
1	_____	_____	_____	6	_____	_____	_____
2	_____	_____	_____	7	_____	_____	_____

4	_____	_____	_____	9	_____	_____	_____
5	_____	_____	_____	10	_____	_____	_____

AVERAGE NUMBER OF EGG MASSES PER ACRE \_\_\_\_\_