






WORKSHEET: PINE FORESTS DAMAGE

TASK: according to the following instructions it is necessary to inspect the default location of the pine forest and determine the degree of pine tree damage and pine moth infection.

METHODS:

- If the location is small, count and grade all the trees
- If the location is large, take a research 30 by 30 m plot , count and grade all the trees on it

DAMAGE ASSESSMENT

DEGREE OF DAMAGE	PERCENTAGE OF DAMAGE	TREE LAYOUT
0	0 – 10 % 	Normally a dense crown, with a small needle loss, predominantly in the lower part of the crown. By inspecting the tree trunk top, we can see that the tree crown is almost opaque.
1	11 – 25 % 	The pine needle loss starts inside out in the lower and middle part of the tree crown. Dry twigs appear in the lower part. Looking at the tree trunk, we can see that the tree crown is partially seen-through.
2	26 – 60 % 	There is a stronger defoliation of needles in the lower and middle part of the crown. At the bottom of the crown there are thicker dry branches. There are dry twigs all over the tree tops. Looking at the side, the tree skeleton can be seen. Looking at the tree trunk, there is a see-through crown on top.
3	61 – 100 % 	Severe defoliation of needles and a lot of dry branches all over the crown. Thick dry branches at the bottom and middle of the crown. The tree skeleton is clearly visible. There are green shoots only on top of the crown.
4	dry tree 	A completely dry tree

RESULTS OF WORK:

1. TEAM (names) _____

2. LOCATION : _____

3. DATE OF INSPECTION: _____

4. SEARCHES all trees / research plots 30 x 30 m ; PINE SPECIES _____

5. EXAMINED TREES NUMBER : _____ .

6. NUMBER OF PINE TREES INFECTED WITH PINE MOTH: _____ PERCENTAGE _____ %



7. NUMBER AND PERCENTAGE OF TREES BY THE DEGREE OF DAMAGE:

DEGREE OF DAMAGE	NUMBER OF TREES	PERCENTAGE %
0		
1		
2		
3		
4		

8. POLLUTANTS WHICH MAY AFFECT THE SITE:

State the potential sources of pollution at the selected location, such as industry, traffic, waste disposal, farm land, etc.

9. ATTACHED

- area map
- photo

10. PREPARE A PRESENTATION