

# Land Cover Investigation in Taevaskoda Using GLOBE Methods

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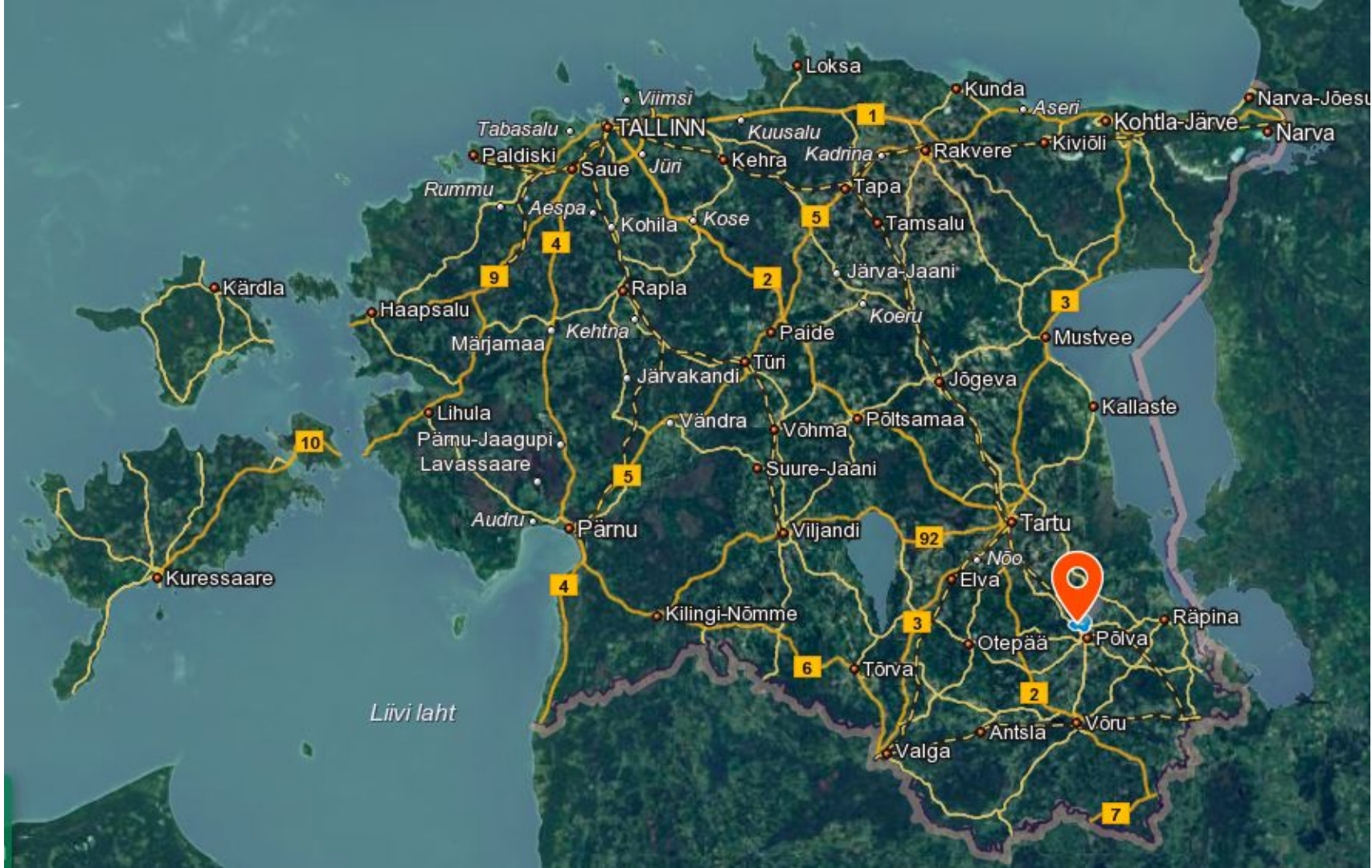
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Liivi laht

# Hypotheses

- There are many shrubs in the research area.
- The ground vegetation at the measurement site is less abundant than at the learning session forest site.
- The forest at the measurement site is sparser than at the learning session site.
- The shrub layer at the measurement site is less dense.
- The tree canopies at the measurement site are denser.

# Equipment used

- Measuring tape
- Rope
- MUC Field Guide
- Compass from the phone
- Densiometer
- Pencil
- Paper
- Clinometer
- Flags

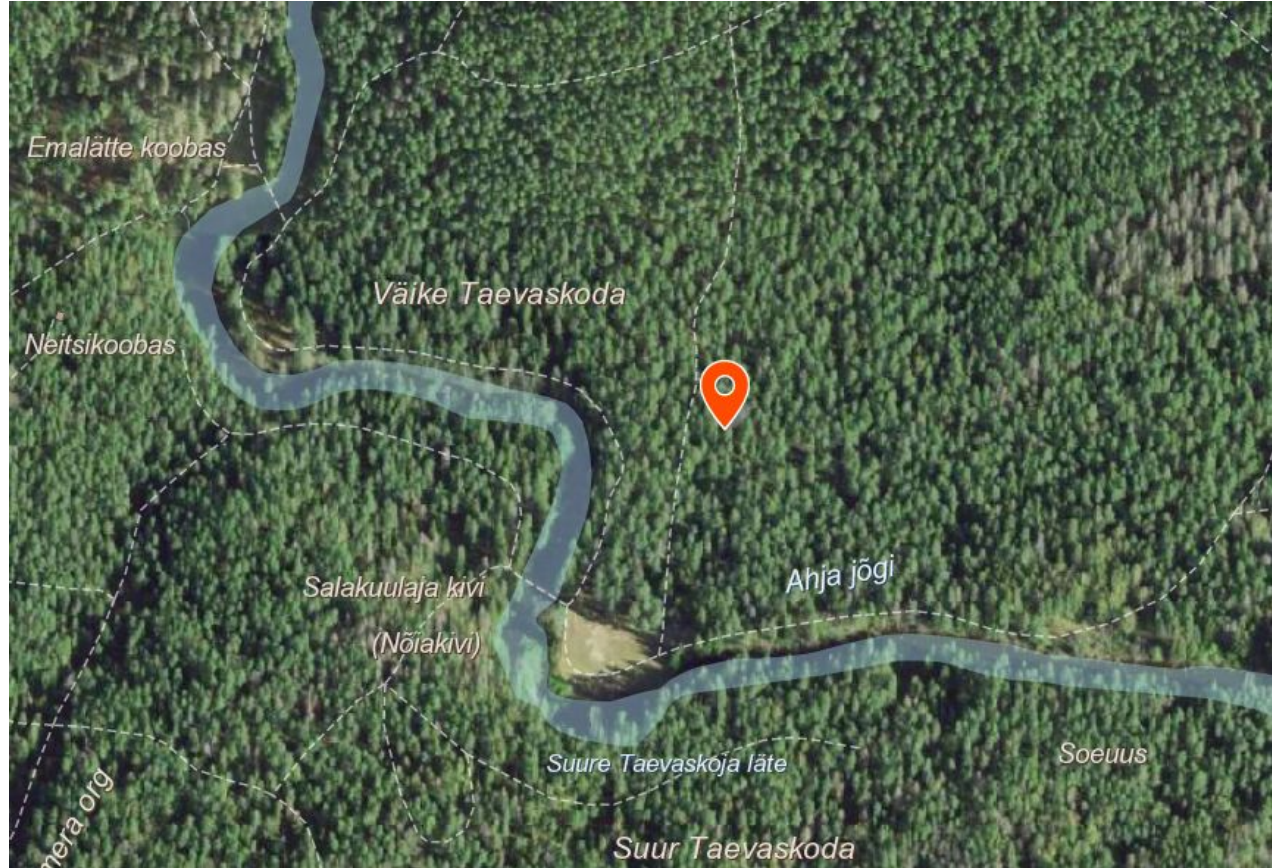




# Research area 1

N 58° 06'33'' E 27° 03'6''

MUC 0192

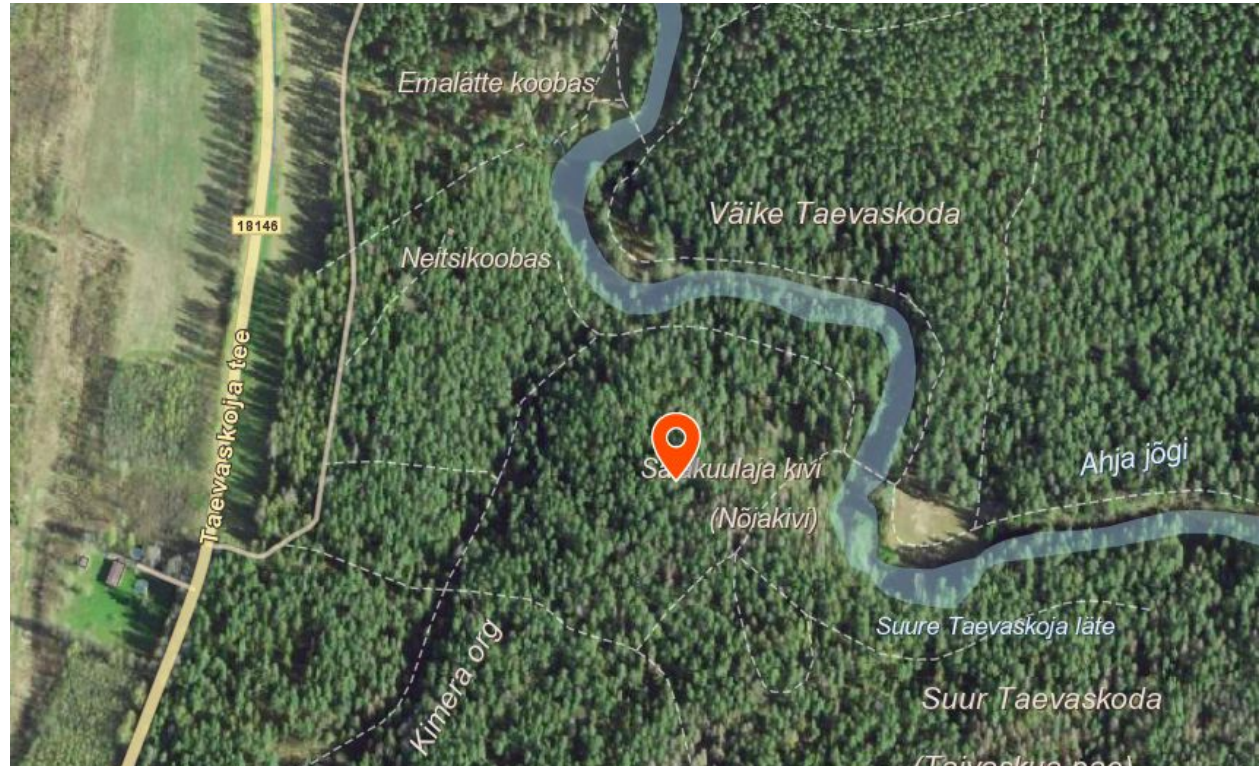


<b>Tree</b>	<b>Height (m)</b>	<b>Circumference</b>
I pine tree	35.3	1.83 m
	34.3	
	34	
II pine tree	27.5	1.25 m
	28.3	
	28.1	
III pine tree	35.5	1.63 m
	35.2	
	35.2	

# Research area 2

N 58° 06'26,5'' E 27° 02'51,0''

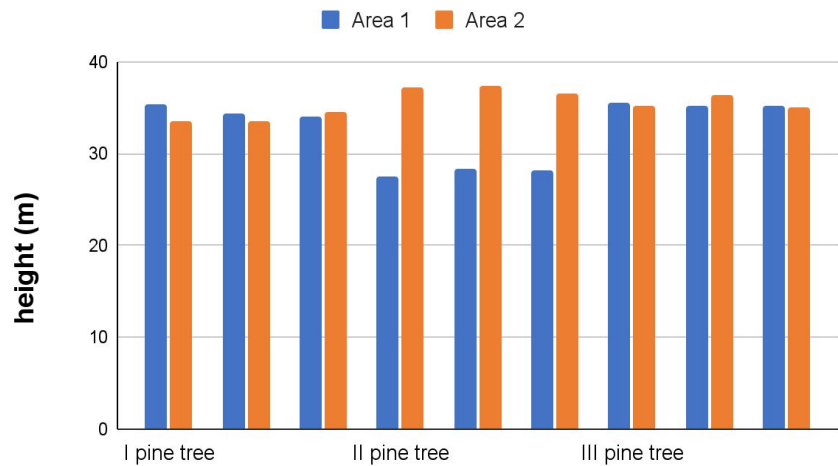
MUC 0193





Tree	Height (m)	Circumference
I pine tree	33.6	1.55 m
	33.5	
	34.5	
II pine tree	37.2	1.95 m
	37.3	
	36.6	
III pine tree	35.2	1.68 m
	36.3	
	35.1	

### Average height of trees

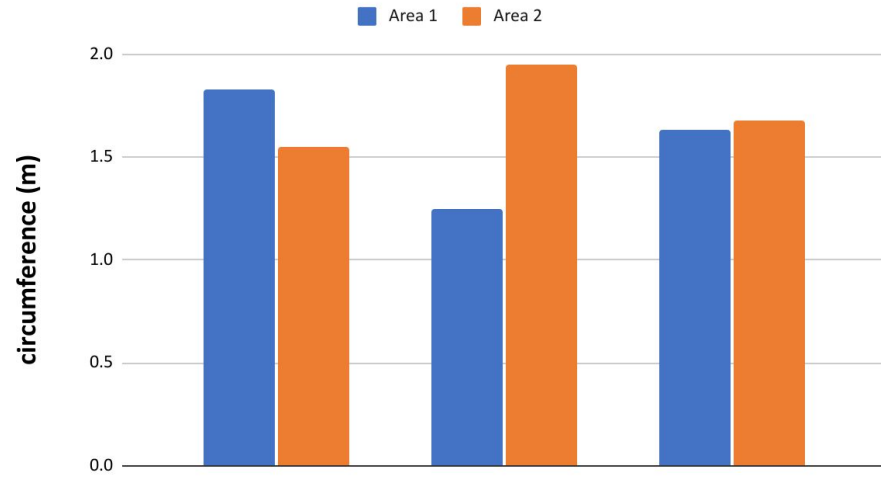


### Average height of trees

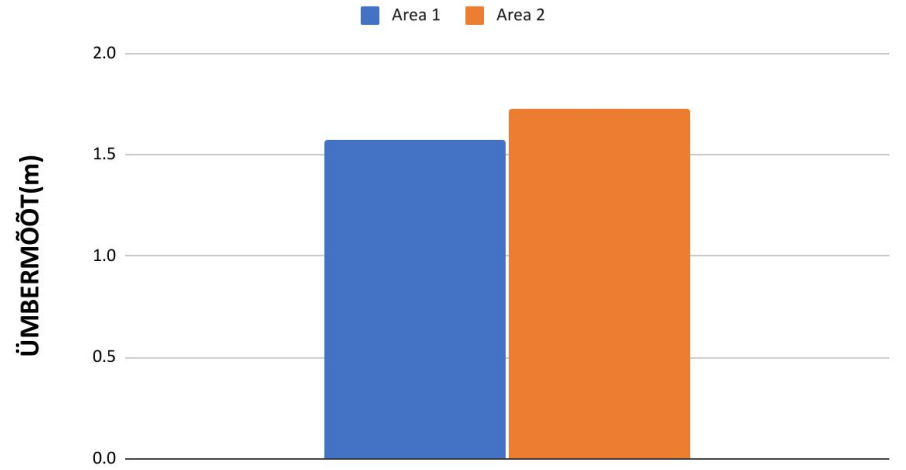




Average circumference



Average circumference



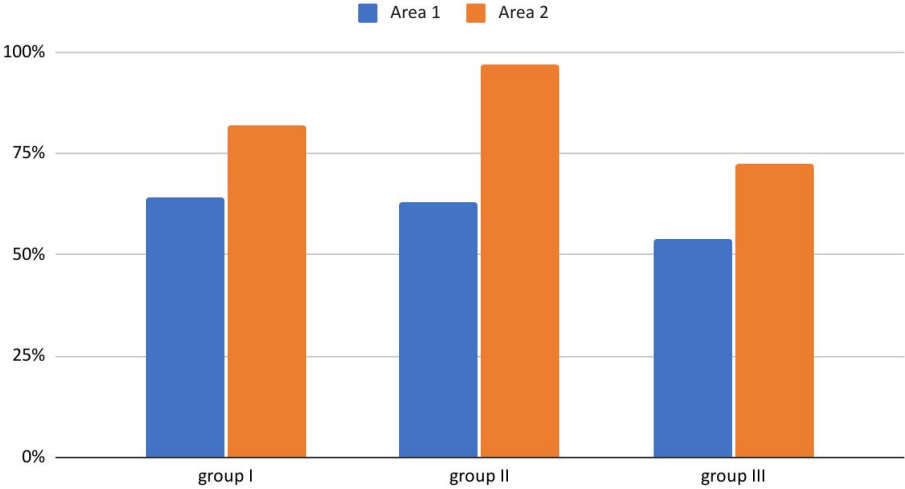




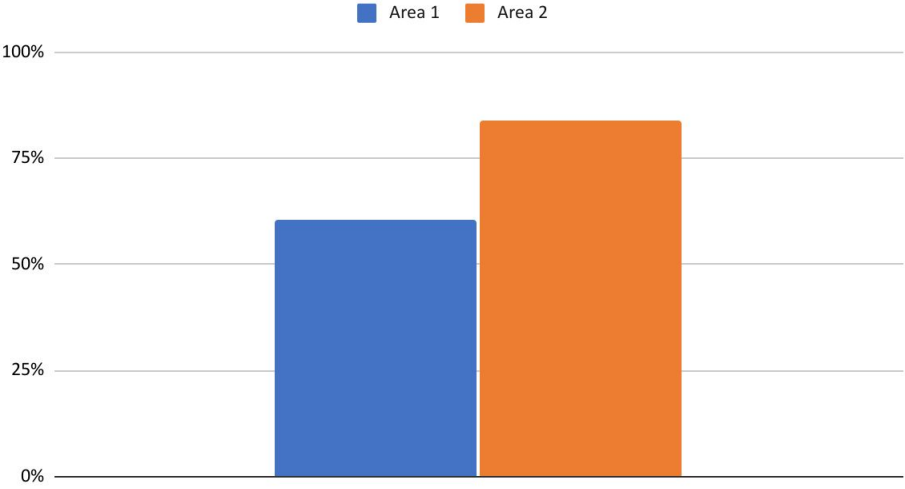
The canopy coverage at the first location was 54% and 64%, while at the second location, it ranged from 72.5% to 97%.

	Research area 1	Research area 2
1. group	64%	82%
2. group	63%	97%
3. group	54%	72.5%

### Canopy cover



### Average canopy cover



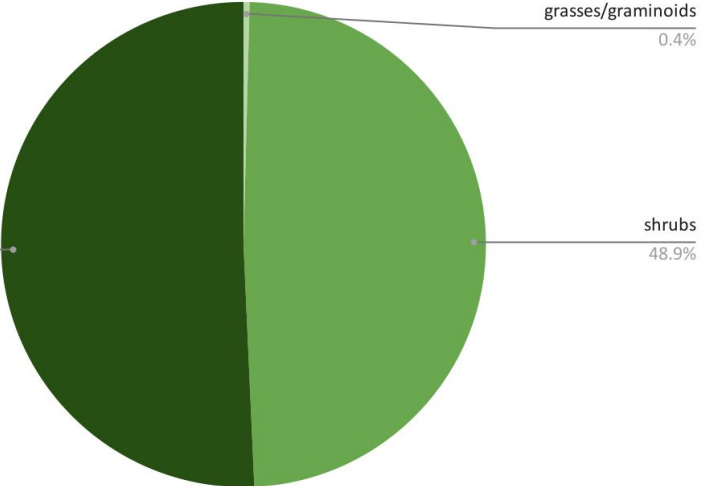




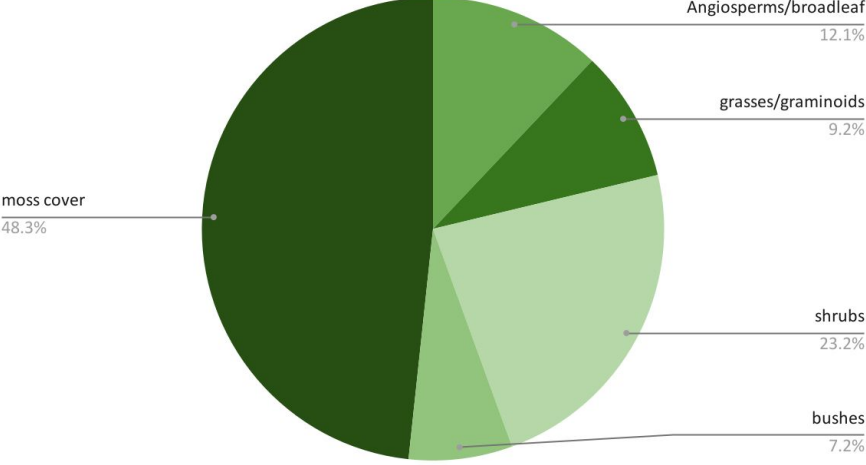
Ground cover in Area 1 was 197.2% and 207% in Area 2.

	Research area 1	Research area 2
Low tree layer/ bushes (1.5-4m)	0%	15%
Shrub layer (below 1.5m)	96.40%	48%
Graminaceous plants	0.80%	19%
Flowering and broad-leaved plants	0%	25%
Ground cover layer (moss)	100%	100%
Sum	197.20%	207%

Research area 1



Ground cover (area 2)



# Did the hypotheses find evidence? Area 1

1. There are many shrubs at the measurement site – **No evidence found**
2. The herb layer is less abundant than in the study session forest – **Evidence found**
3. The forest at the measurement site is more sparse than in the study session – **Evidence found**
4. The shrub layer is more sparse at the measurement site – **Evidence found**
5. The tree canopy is denser at the measurement site – **No evidence found**



## Did the hypotheses find evidence? Area 2

1. There are many shrubs at the measurement site – **Evidence found**
2. The herb layer is less abundant than in the study session forest – **No evidence found**
3. The forest at the measurement site is more sparse than in the study session – **No evidence found**
4. The shrub layer is more sparse at the measurement site – **No evidence found**
5. The tree canopy is denser at the measurement site – **Evidence found**

# Harilik laanik

*Hylocomium splendens*



Joonis 14. Harilik laanik (*Hylocomium splendens*)



# Harilik lehviksammal

*Ptilium crista-castrensis*



Joonis 15. Harilik lehviksammal(*Ptilium crista-castrensis*)



# Roomav öövilge

*Goodyera repens*



Joonis 16. Roomav öövilge(*Goodyera repens*)