



# NATURALNESS

## RAPID ASSESSMENT

Scale: **Forest stand (< 10 ha)**

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Forest:

Version 1.2

### General information

ID	N°: Country   Region   yy   mm   dd   n°				Pictures: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	Author(s)/Organism(s):					
Location	Ownership:			Strongest conservation status:		
	Parcel size (ha):		Latitude:		Longitude:	
	→ Draw the contours of the parcel described and the sampled zone on the map (1: 25 000). Join the map for each field sheet.					
	Mean altitude (masl):		Slope (%):		Orientation (°):	
Instructions	Tree species 1:			Tree species 2:		
	Site index (H <sub>0</sub> ): m		DBH limit <sup>1</sup> : > cm	Site index (H <sub>0</sub> ): m		DBH limit <sup>1</sup> : > cm

### Wildness (perceived naturalness)

**1. PERCEIVED NATURALNESS IN THIS PARCEL IS?**  Nil  Low  Medium  High  Very high  Outstanding

**2. YOUR REFERENCES:** give the name of the nearest forest and/or parcel where you have felt a level of naturalness equivalent or superior.

Equivalent: \_\_\_\_\_  
Superior: \_\_\_\_\_ Level: \_\_\_\_\_

**3. EXPLAIN** with 6 terms maximum the feelings or their origin.

1. \_\_\_\_\_ 3. \_\_\_\_\_ 5. \_\_\_\_\_  
2. \_\_\_\_\_ 4. \_\_\_\_\_ 6. \_\_\_\_\_

### Nature

Specific diversity	<b>4. TREES</b> Specify species in notes. Richness of indigenous tree species. <input type="checkbox"/> ≤1 0 <input type="checkbox"/> [2-4] 5 (A <sup>1</sup> =7) <input type="checkbox"/> 5 ou 6 7 (A, S <sup>1</sup> =10) <input type="checkbox"/> ≥7 10			
Importance of natural heritage	<b>5. LISTED FOREST SPECIES</b> (at least one species) <input type="checkbox"/> No sign 0 <input type="checkbox"/> Likely presence 5 <input type="checkbox"/> Confirmed presence 10			Quote, based on signs of presence:
	<b>6. FOREST HABITAT</b> cf. Corine Biotope Code: _____ Name: _____ <input type="checkbox"/> Other 0 <input type="checkbox"/> Listed 10			
Structural complexity	<b>7. STAND STRUCTURE</b> <input type="checkbox"/> Wooded pasture or moor 2 <input type="checkbox"/> Matorral 2 <input type="checkbox"/> Coppice 2 <input type="checkbox"/> High forest mixed with coppice or high forest with low density 3 <input type="checkbox"/> Even-aged forest stand 5 (A <sup>2</sup> =10) <input type="checkbox"/> Uneven-aged forest in diameter (with or without coppice) 7 <input type="checkbox"/> Uneven-aged forest in diameter and height 10			
	<b>8. BASAL AREA</b> (m <sup>2</sup> /ha) Minimum DBH = 17,5cm <input type="checkbox"/> ]0-10] 0 <input type="checkbox"/> ]10-15] 1 <input type="checkbox"/> ]15-20] 3 <input type="checkbox"/> ]20-25] 5 <input type="checkbox"/> ]25-30] 7 <input type="checkbox"/> ]30-35] 9 <input type="checkbox"/> > 35 10			

<sup>1</sup> H<sub>0</sub>x4, rounding off closest 5 cm. Upper limit 120 cm, lower limit 30 cm. <sup>2</sup> A: Alluvial, early stages with softwood only ; S: Subalpine.

## Nature (suite)

Diversity of tree microhabitats	12. DIVERSITY OF MICROHABITATS <sup>1</sup> (typology IBP version 2.7 ACM) <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> [1-3] <input type="checkbox"/> 3 <input type="checkbox"/> [3-7] <input type="checkbox"/> 6 <input type="checkbox"/> >7 <input type="checkbox"/> 8						3
	13. NESTINGS HOLES OF WOODPECKERS <sup>2</sup> <input type="checkbox"/> Yes <input type="checkbox"/> 2 <input type="checkbox"/> No <input type="checkbox"/> 0						
Nativeness	14. PROPORTION OF INDIGENOUS TREES IN THE FOREST COVER (%) <input type="checkbox"/> <25 <input type="checkbox"/> 0 <input type="checkbox"/> [25-50[ <input type="checkbox"/> 1 <input type="checkbox"/> [50-75[ <input type="checkbox"/> 2 <input type="checkbox"/> [75-90[ <input type="checkbox"/> 4 <input type="checkbox"/> [90-100[ <input type="checkbox"/> 7 <input type="checkbox"/> 100 <input type="checkbox"/> 10						
Maturity (old-growthness)	15. STAND AGE (preexisting trees excluded) <input type="checkbox"/> Very young <input type="checkbox"/> 0 <input type="checkbox"/> 1/8 <input type="checkbox"/> 2 <input type="checkbox"/> Young <input type="checkbox"/> 1/4 <input type="checkbox"/> 5 <input type="checkbox"/> Fully grown <input type="checkbox"/> 1/2 <input type="checkbox"/> 7 <input type="checkbox"/> Mature <input type="checkbox"/> 3/4 <input type="checkbox"/> 10 <input type="checkbox"/> Old <input type="checkbox"/> 4/4 <input type="checkbox"/> 10 <input type="checkbox"/> Very old						4
	16. VERY LARGE TREES (n/ha) <input type="checkbox"/> <1 <input type="checkbox"/> 0 <input type="checkbox"/> [1-5] <input type="checkbox"/> 5 <input type="checkbox"/> [5-10] <input type="checkbox"/> 7 <input type="checkbox"/> >10 <input type="checkbox"/> 10 DBH max : cm						
	17. VOLUME OF DEADWOOD (Ø > 30 cm, m <sup>3</sup> /ha) <input type="checkbox"/> <1 <input type="checkbox"/> 0 <input type="checkbox"/> [1-5] <input type="checkbox"/> 2 <input type="checkbox"/> [5-10] <input type="checkbox"/> 3 <input type="checkbox"/> [10-20] <input type="checkbox"/> 5 <input type="checkbox"/> [20-50] <input type="checkbox"/> 7 (10 if H <sub>0</sub> <20) <input type="checkbox"/> >50 <input type="checkbox"/> 10						
Dynamics	18. SUCCESSION STAGES <sup>5</sup> AND PHASES <input type="checkbox"/> Pioneer or out of silvigenesis <input type="checkbox"/> 0 <input type="checkbox"/> Post-pioneer <input type="checkbox"/> 3 <input type="checkbox"/> Intermediate <input type="checkbox"/> 5 <input type="checkbox"/> Almost complete <input type="checkbox"/> 7 <input type="checkbox"/> Complete ≥ 3 phases <input type="checkbox"/> 10						
Spatial continuity	19. CONTIGUOUS FOREST COVER <sup>6</sup> (ha) <input type="checkbox"/> <10 <input type="checkbox"/> 0 <input type="checkbox"/> [10-100] <input type="checkbox"/> 2 <input type="checkbox"/> [100-1 000] <input type="checkbox"/> 4 <input type="checkbox"/> [1 à 10 000] <input type="checkbox"/> 6 <input type="checkbox"/> [10 à 100 000] <input type="checkbox"/> 8 <input type="checkbox"/> >100 000 <input type="checkbox"/> 10						
Ancientness	20. CONTINUITY OF FOREST COVER ESTIMATED FROM THREE KEY DATES Before 1790: <input type="checkbox"/> Woodland <input type="checkbox"/> 3 Around 1850: <input type="checkbox"/> Ploughings, vineyards, others <input type="checkbox"/> 0 <input type="checkbox"/> Pasture, meadow <input type="checkbox"/> 1 <input type="checkbox"/> Close to forest edge (< 100 m), wooded pasture, orchard without ploughing <input type="checkbox"/> 3 <input type="checkbox"/> Woodland <input type="checkbox"/> 5 Around 1950: <input type="checkbox"/> Woodland <input type="checkbox"/> 2 <input type="checkbox"/> Other <input type="checkbox"/> 0						7

## Human footprint

1800-1960	21. TRANSFORMATIONS OF THE STAND from grazing and/or wood/charcoal harvesting <input type="checkbox"/> Highly visible and strong impact <input type="checkbox"/> 10 <input type="checkbox"/> Visible but medium impact <input type="checkbox"/> 6 <input type="checkbox"/> Absence of signs <input type="checkbox"/> 0 Date of last logging <input type="checkbox"/> 1910-1960 <input type="checkbox"/> 10 <input type="checkbox"/> 1860-1910 <input type="checkbox"/> 6 <input type="checkbox"/> Before 1860 <input type="checkbox"/> 0						8
After 1960	22. STUMPS (per ha) (Ø > 17,5cm; Ø coppice > 7,5cm) <input type="checkbox"/> >400 <input type="checkbox"/> 10 <input type="checkbox"/> [100-400] <input type="checkbox"/> 8 <input type="checkbox"/> [50-100] <input type="checkbox"/> 6 <input type="checkbox"/> [10-50] <input type="checkbox"/> 4 <input type="checkbox"/> [1-10] <input type="checkbox"/> 1 <input type="checkbox"/> 0 <input type="checkbox"/> 0						9
	23. TIME SINCE LAST LOGGING (years) <input type="checkbox"/> <20 <input type="checkbox"/> 10 <input type="checkbox"/> [20-60[ <input type="checkbox"/> 5 <input type="checkbox"/> None on the period <input type="checkbox"/> 0 Date: .....						
Pressures for the next 50 years	24. NATURE OF PRESSURES AND THREATS <input type="checkbox"/> Urbanization <input type="checkbox"/> 1 <input type="checkbox"/> Wood harvesting <input type="checkbox"/> 1 <input type="checkbox"/> Grazing <input type="checkbox"/> 1 <input type="checkbox"/> Invasive species <input type="checkbox"/> 1 <input type="checkbox"/> Climate changes <input type="checkbox"/> 1 <input type="checkbox"/> Fire <input type="checkbox"/> 1 <input type="checkbox"/> Ecologic discontinuity <input type="checkbox"/> 1 <input type="checkbox"/> Hunting and overbrowsing by game <input type="checkbox"/> 1 <input type="checkbox"/> Deforestation <input type="checkbox"/> 1 <input type="checkbox"/> Recreation <input type="checkbox"/> 1 <input type="checkbox"/> Lack of effective protection <sup>9</sup> <input type="checkbox"/> 1 <input type="checkbox"/> Lack of regeneration <input type="checkbox"/> 1 <input type="checkbox"/> None <input type="checkbox"/> 0						10

<sup>1</sup> On living trees only. <sup>2</sup> On living and dead trees. <sup>3</sup> Sum the notes. <sup>4</sup> Average note Indicator 20 and the best note among 16 and 19. <sup>5</sup> Estimation, based on flora, of the relative equilibrium of species composition, depending only upon abiotic variables, without climate changes and for an human life span. <sup>6</sup> No forest cover for more than 100 m minimum. <sup>7</sup> Sum of individual notes; if the parcel is not wooded at one period, the notes of previous periods are not counted. <sup>8</sup>  $\sum$  of notes Indicator 21 + (10 - Note Indicator 20)/3. <sup>9</sup> All except IUCN status I to IV. <sup>10</sup> Sum individual notes. S = 0, note 0; S = [1-2], note 2; S = [3-5], note 5; S > 5, note 10.



# SYNTHESIS

## Degree of naturalness, human footprint and wildness

### → NATURE

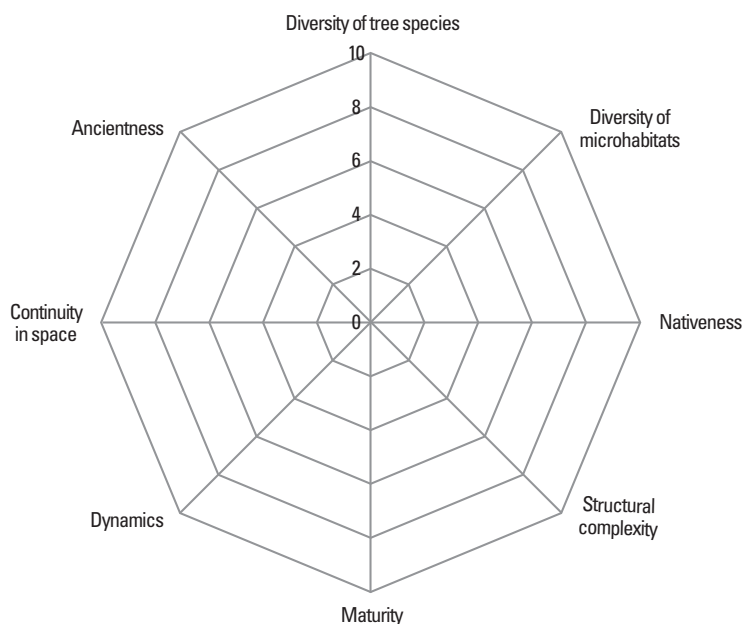
A. Diversity of tree species	C. Diversity of microhabitats	E. Nativeness	G. Structural complexity	<i>I. Importance of natural heritage</i>
B. Maturity (old-growthness)	D. Dynamics	F. Continuity in space	H. Ancientness	

### → HUMAN FOOTPRINT

1800-1960	1960- to date	Next 50 years
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### → WILDNESS (PERCEIVED NATURALNESS)

### → CHART



### → INDEXES

Naturalness index <sup>1</sup>	Footprint index <sup>2</sup>
/10	/10

<sup>1</sup> Σ de A à H x 1,25 / 10. <sup>2</sup> Σ footprint notes / 3.

## Statement and recommendations

### → INTERESTS FROM DIFFERENT POINTS OF VIEW...

- nature conservation

- forest management

- scientific

- recreation, education, culture...

### → THE 3 WEAKEST CRITERIA OR INDICATORS TO IMPROVE

Criteria or indicator	Target	Chosen restoration methods	Time lap (years)

### → PRESSIONS AND THREATS

### → MAIN STAKES BY STAKEHOLDERS

Stakeholders	Land owner:	Manager:	Other:
Stakes			

### → RECOMMENDATIONS



# MAPS, PICTURES AND NOTES

## Geographic map

Draw the contours of the stand. (scale 1:25 000)

## Aerial picture

*Draw the contours of the stand.*

Date:

## Ancient map

*Draw the contours of the stand.*

Map:

Date of the map:

## Pictures

*Insert the most representative pictures of the stand.*

Legend:

Legend:

Legend:

## Notes by criteria and indicators

Criteria or indicator	Notes

## Other notes