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PROSTORNI PRIKAZ NIZA DEBLJINSKIH RAZREDA PRVE IZMJERE TRAJNE PLOHE U PRAŠUMI "ČORKOVA UVALA" 1957. GODINE

SPATIAL PRESENTATION OF DIAMETER CLASS SERIES FROM THE FIRST MEASUREMENT OF THE PERMANENT PLOT IN "ČORKOVA UVALA" VIRGIN FOREST IN 1957

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U "Šumarskom listu" broj 7–8/2007. prikazani su vertikalni profili i pregledna slika pokusne plohe u sastojini prašume "Čorkova uvala" u području Nacionalnoga parka "Plitvička jezera" i to grafičkom konstrukcijom iz ptičje perspektive. Budući da je cilj objavljenih grafičkih prikaza predočiti što zorniju sliku sastojine na pokusnoj plohi, otišli smo u prikazivanju korak dalje.

Kako je promjer stabla glavni čimbenik u izračunu temeljnice i drvnoga volumena, odlučili smo distribuirati stabla u sastojini po debljinskim razredima (tab. 1.) i prikazati grafički. Strukturu sastojina uzeli smo iz Prpić (1979). Iz navedenoga rada koristili smo strukturu broja stabala po debljinskim razredima (N) i projicirali u prostorni prikaz iz ptičje perspektive.

Utvrdili smo pet debljinskih razreda i to:

1. debljinski razred do 10 cm prsnoga promjera stabalca,
2. od 11 cm do 30 cm prsnoga promjera stabla,
3. od 31 cm do 50 cm prsnoga promjera stabla,
4. od 51 cm do 80 cm prsnoga promjera stabla,
5. preko 81 cm prsnoga promjera stabla

Projekciju slike strukture sastojine izradili smo zasebno za svaki debljinski razred (vidi slike od 1. do 5.).

O distribuciji stabala po debljinskim razredima možemo sada govoriti u svezi s prostorom: o strukturi stabala, kategoriji tla s obzirom na kamenitost i krške fenomene (škrape, vrtače, stijene), konfiguraciju terena, ekspoziciju, inklinaciju, nizovima stabala izraslih u redovima na trulim ležećim stablima i dr.

Prikazana interpretacija sastojina pruža mogućnost kompleksnog razmatranja njezinih strukturnih odnosa i zasigurno o ulozi trajanja života vrsta drveća koja tvore prašumu.

Tablica 1. Prašuma "Čorkova uvala", površina 1 ha, broj stabala, stanje 1957. godine
Table 1 Virgin forest of Čorkova Uvala area 1ha, number of tres, state in 1957

Debljinski razred – *Diameter class*	Struktura sastojine – *Stand structure*			
	Vrsta drveća – *Species*			Ukupno – *Total*
	Bukva – *Beech*	Jela – *Fir*	Smreka – *Spruce*	
<10	358	39	12	409
11–30	195	37	11	243
31–50	39	11	-	50
51–80	19	17	3	39
80<	-	21	4	25
Sveukupno – *Total*	**611**	**125**	**30**	**766**

LITERATURA – References

Anić, M., 1965: Prasuma "Čorkova uvala", rukopis.

Prebježić, P., 2007: Grafički porikaz strukturnih odnosa u sastojini prašume bukve i jele (*Abieti Fagetum illirycum* Horv. 1938) "Čorkova uvala" na području Nacionalnoga parka Plitvička jezera, Šum. list 7–8: 345–352.

Prpić, B., 1979: Struktura i funkcioniranje prašume bukve i jele (*Abieti-Fagetum illyricum* Horv. 38) u Dinaridima SR Hrvatske, Drugi kongres ekologa Jugoslavije, knjiga 1. Zagreb: 899–924 Hrvatske.

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Vertical profiles and a picture of a sample plot situated in a stand in the virgin forest of Čorkova Uvala in the Plitvice Lakes National Park were presented in "Forestry Journal" No 7–8/2007. The graphic construction was presented from a bird's eye perspective. The goal of the published graphic presentations was to give a clear picture of the stand in the permanent plot, but we took a step further.

Since tree diameter is the main factor for calculating the basal area and wood volume, we decided to distribute the trees in the stand according to diameter classes and present them from a bird's eye perspective. The stand structure was taken from a work by Prpić (1979).

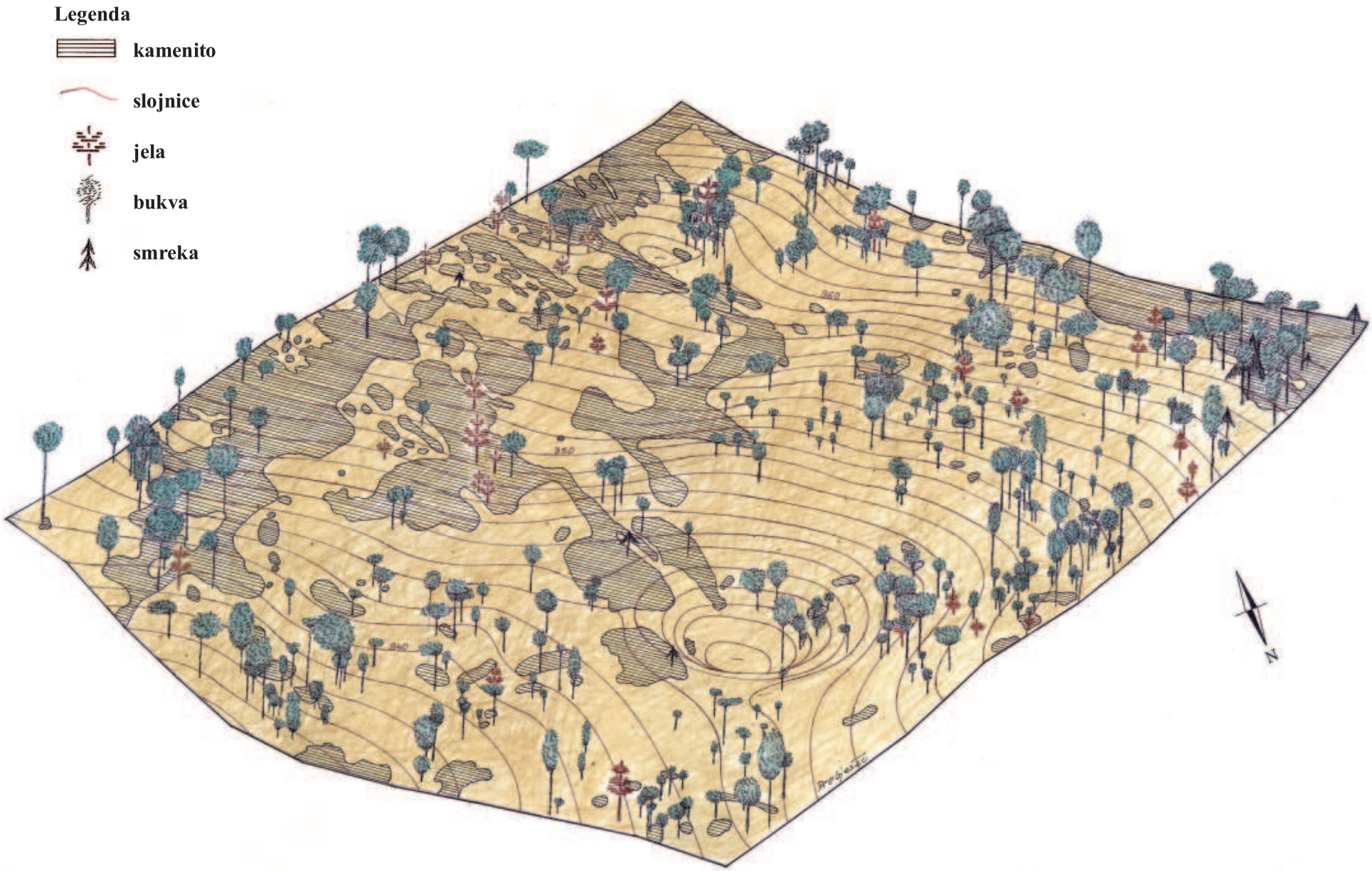
The following five diameter classes were identified:

- *1st diameter class up to 10 cm at breast height*
- *2nd diameter class from 11 cm to 30 cm at breast height*
- *3rd diameter class from 31 cm to 50 cm at breast height*
- *4th diameter class from 51 cm to 80 cm at breast height*
- *5h diameter class over 81 cm at breast height*

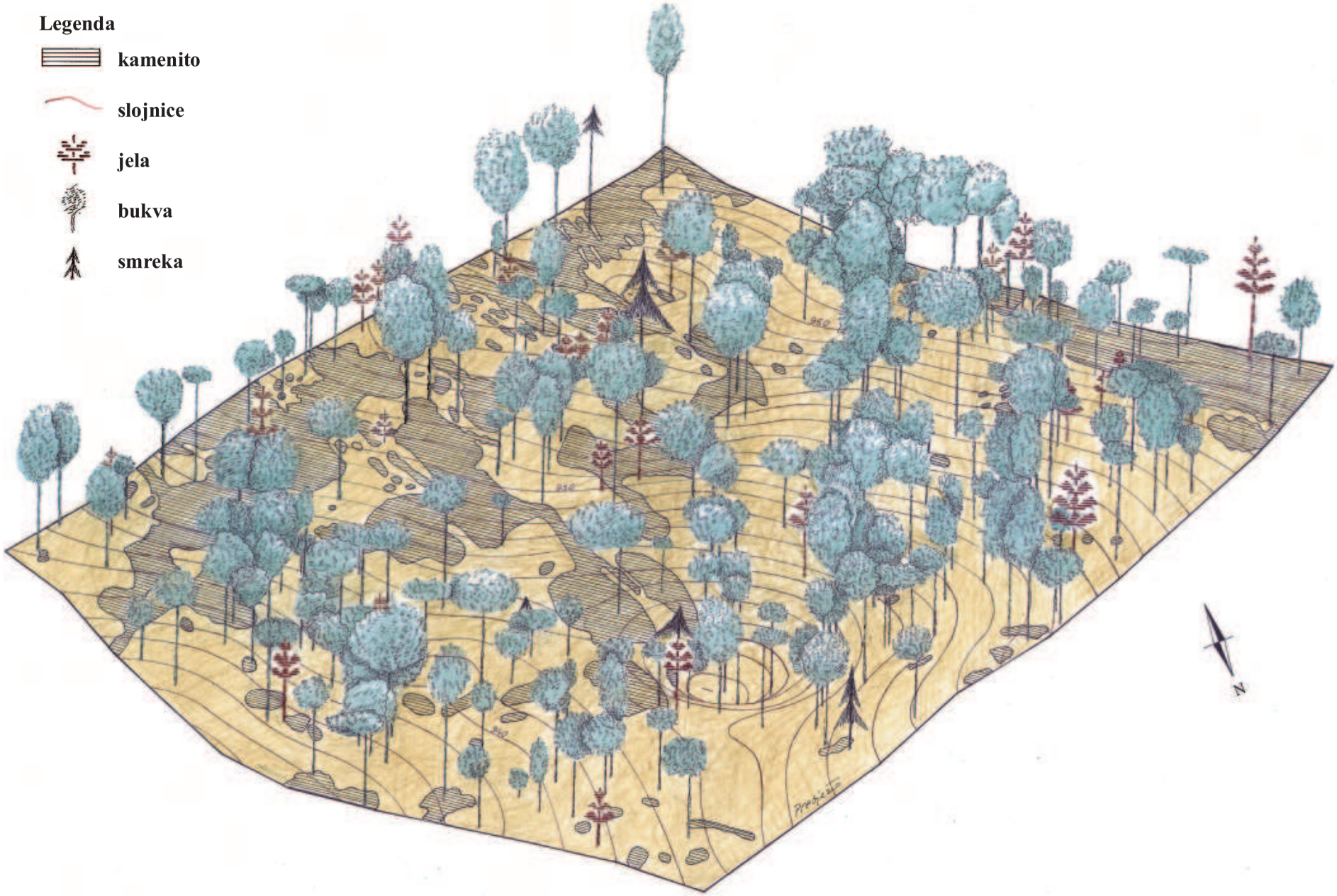
The picture projection of the stand structure was made separately for each diameter class (see Figures from 1 to 5).

Tree distribution by diameter class is correlated with space. This includes tree structure, soil category with reference to rockiness and karst phenomena (cracks, sinkholes, rocks), terrain configuration, exposition, inclination, tree series grown in rows on rotten lying trees and others.

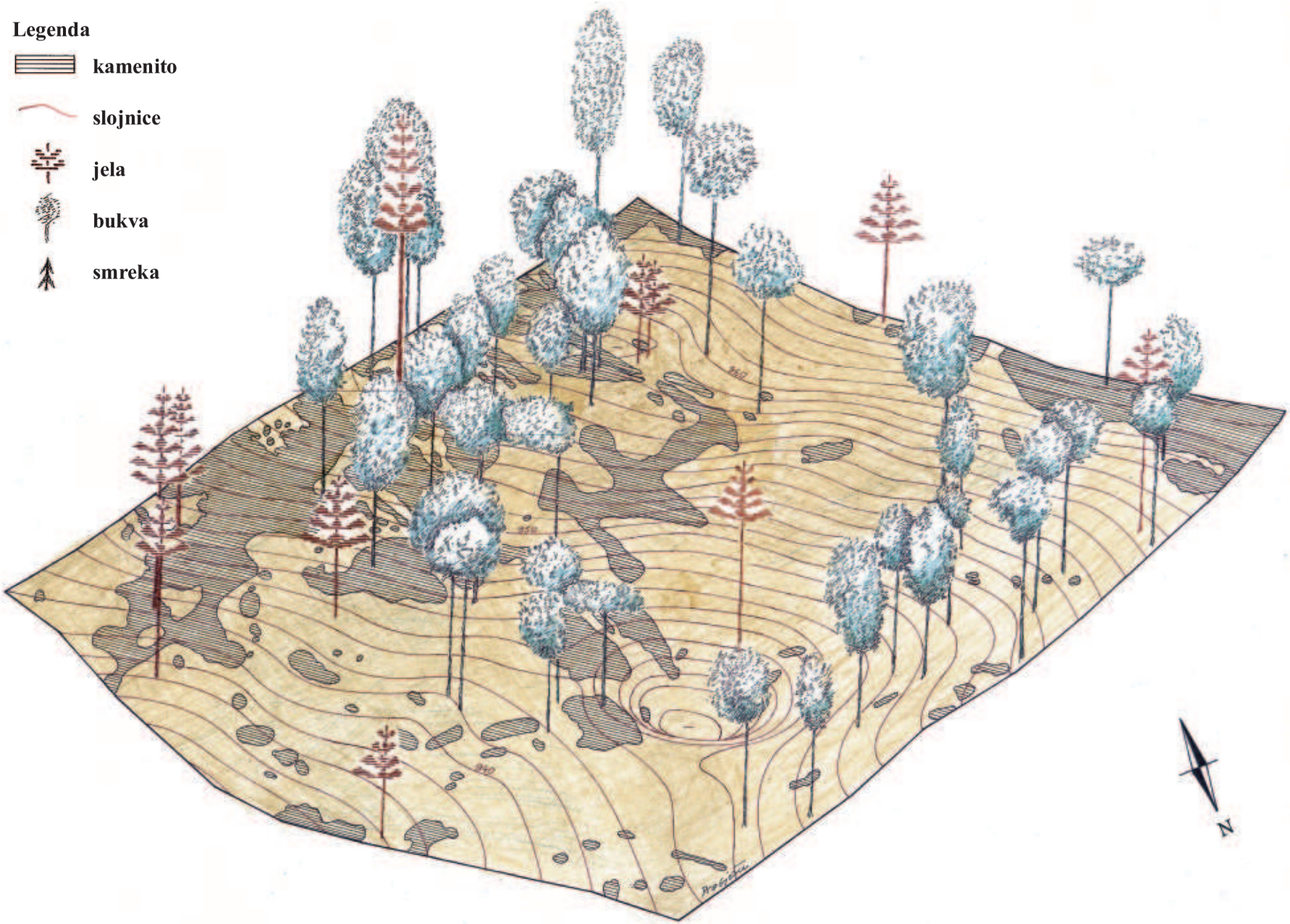
The presented stand interpretation allows complex elaboration of its structural relationships and the life span of the tree species forming the virgin forest.



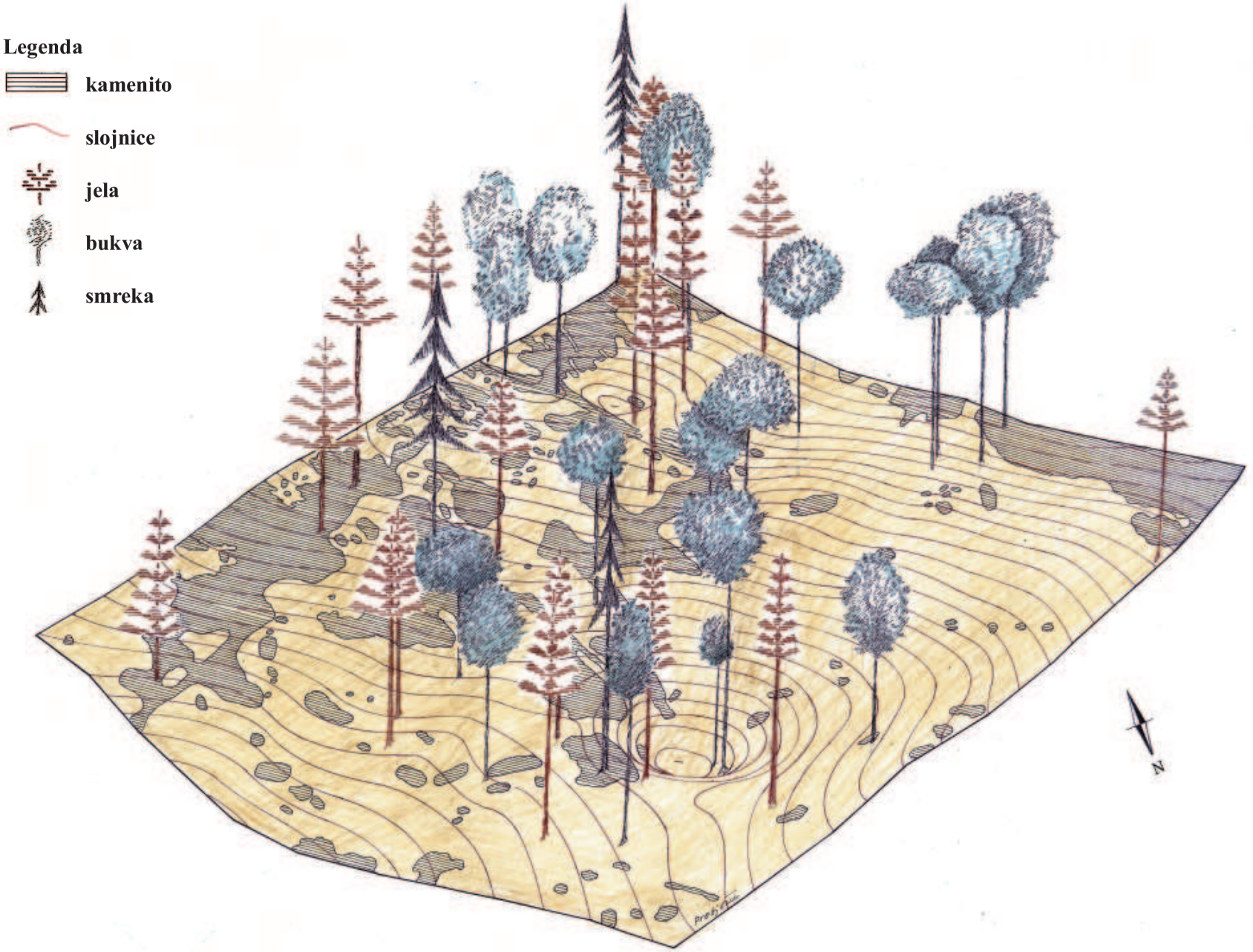
Sl. 1. Debljinski razred do 10 cm prsnog promjera
Fig. 1 Diameter class up to 10 cm at breast height



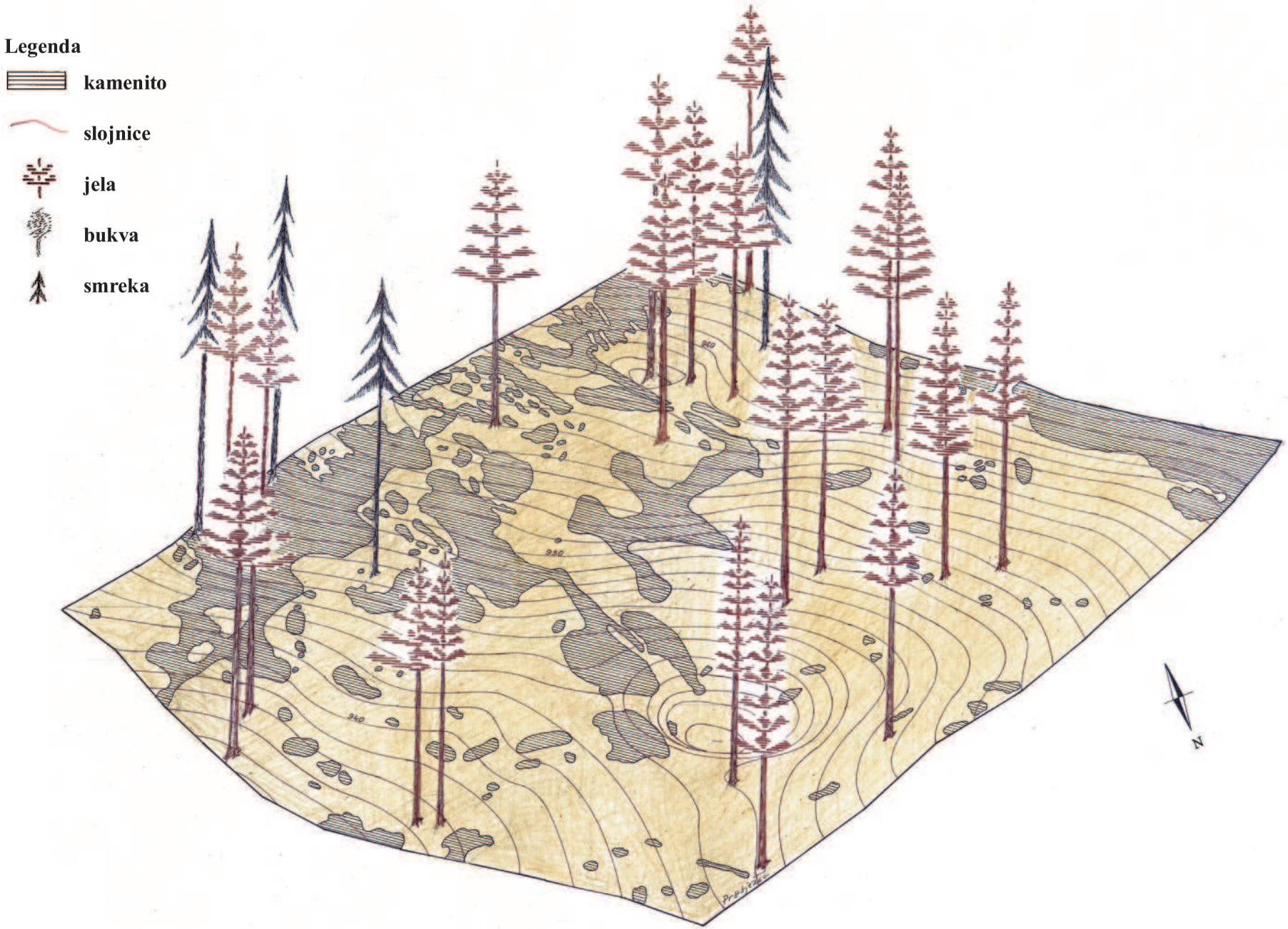
Sl. 2. Debljinski razred od 11 – 30 cm prsnog promjera
Fig. 2 Diameter class from 11 cm to 30 cm at breast height



Sl. 3. Debljinski razred od 31 – 50 cm prsnog promjera
Fig. 3 Diameter class from 31 cm to 50 cm at breast height



Sl. 4. Debljinski razred od 51 – 80 cm prsnog promjera
Fig. 4 Diameter class from 51 cm to 80 cm at breast height



Sl. 5. Debljinski razred od 31 – 50 cm prsnog promjera
Fig. 5 Diameter class over 81 cm at breast height