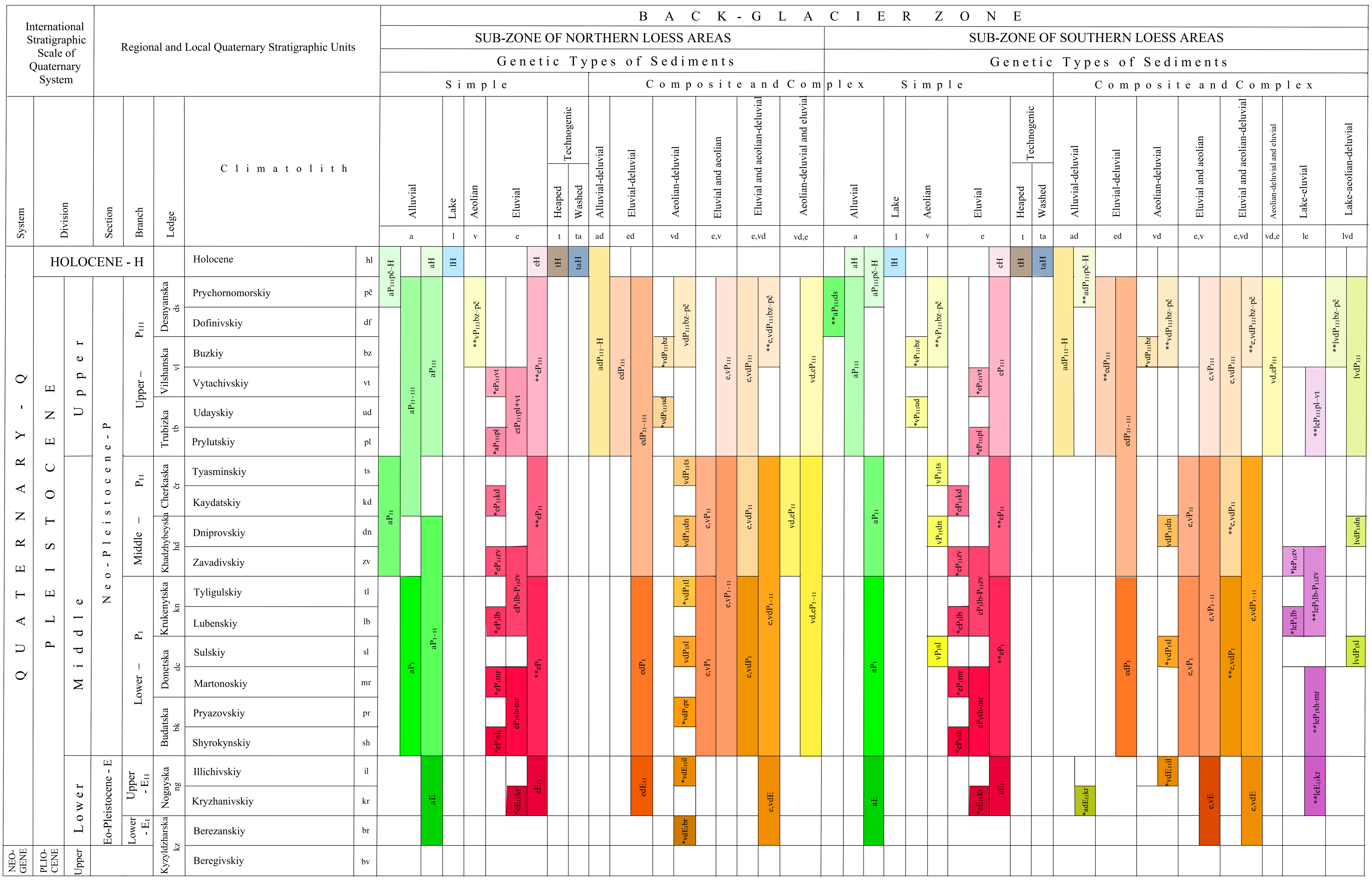
L E G E N D

TO THE GEOLOGICAL MAP AND MAP OF MINERAL RESOURCES OF QUATERNARY SEDIMENTS

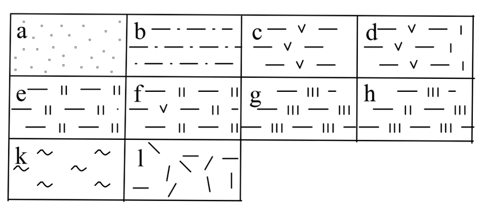


* – applied to the typological columns only

** – applied to the scheme of internal structure of Quaternary sediments only

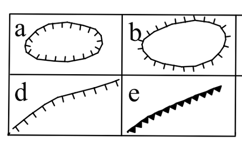
 Pre-Quaternary sediments (PrQ)

LITHOLOGY OF SEDIMENTS



a - sands; b - sandy loam; c - loess-like light loam; d - loess-like medium to light loam; e - medium loam; f - loess-like medium loam; ; g - heavy loam; h - heavy to medium loam; k - clays; l - rocks of diverse lithology

GEOMORPHOLOGICAL PATTERNS



a - quarries, hollows, sections; b - dumps, waste dumps, heaps; c - slides; d - erosion processes; e - coast abrasion

SAMPLING SITES

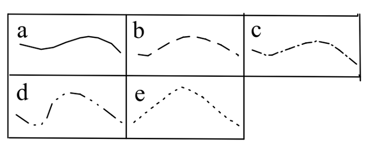
◊ for determination of the rock composition

for determination of the absolute age

SITES OF ORGANIC REMNANTS FINDINGS

a b a - fresh-water non-spine, b - spore and pollen

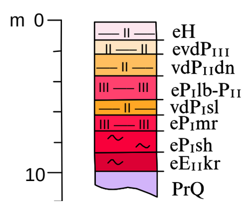
GEOLOGICAL BOUNDARIES



Those of stratigraphic-genetic subdivisions: a - proven, b - inferred; those of buried alluvium: c - proven, d - inferred, e - lithologic varities

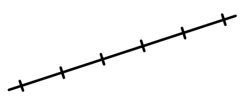
OTHER INDICATIONS

28620
a ○ b a - drill-hole and its number; b - basic sections



Typological columns to the stratigraphic-paleolandscape zonation

FAULTS



Lineaments thought to be the faults

MINERALS

Group		Type	Deposits	Occurrences
Metallic		Titanium		● Ti
Solid non-metallic	Natural materials	Construction sands	⊡ C	
	Technical commodities	Loams (raw materials for brick manufacturing)	◫ B	

STUDY AND ECONOMIC DEVELOPMENT DEGREE OF DEPOSITS AND OCCURRENCES

□ Deposits

○ Occurrences

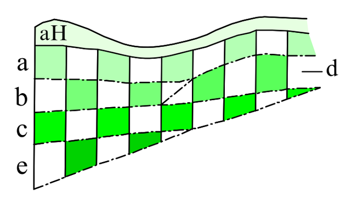
Deposits:

□ in production

□ exhausted

□ out of production

ALLUVIAL SEDIMENTS OVERLAIN BY SUB-AERIAL SEDIMENTS



a - Upper Neo-Pleistocene
b - Middle Neo-Pleistocene
c - Lower Neo-Pleistocene
d - Eo-Pleistocene
e - Lower and Middle Neo-Pleistocene

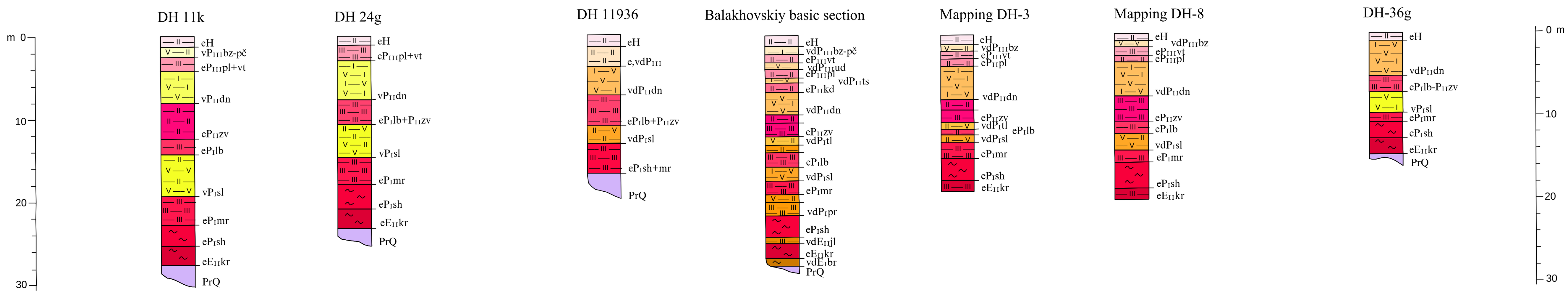
TYPICAL LITHOLOGIC-STRATIGRAPHIC COLUMNS OF SUB-AREAS

Pivnichnoinguletskiy – C-II-13-c_1

Placors composed of loess-soil rocks C-II-13-c_1^1

Placor slopes composed of loess-soil rocks C-II-13-c_1^2

Placor slopes composed of loess-rocks C-II-13-c_1^3



Pivdennoinguletskiy – C-II-13-c_2

Placor slopes composed of loess-soil rocks C-II-13-c_2^1

Placor slopes composed of loess-soil rocks C-II-13-c_2^2