



1 - ; 5 - ; 6 - ; 7 - ; 8 - ; 9 - ; 10 -
 2 - ; 3 - ; 4 - ; 5 - ; 6 - ; 7 - ; 8 - ; 9 - ; 10 -
 3, 5, 8 ; 9 ; 10

	() ,	(1) ¹ .	0,0-1,7
	() ,	0,5 .	
2	(/)	(10 ,	
	(/)	0,4 .	-
	(.)	0,8 .	
(2,0	10,0) .
			-
			5,0
		(2).	1,7-6,3
((2)	- 1,7-2,7
3,	5,0	3,0	
7,0-10,0			
(2) .			2,7-3,3
		(2)	3,3-3,7
(2) .			3,7-5,2

1

[1, 5].

		(2)	(5,2-6,3
		0,5)	
		0,3		
10,0		0,1		
	(3)	-		6,3-6,8 ($\pm 0,1$)
	()		
		(1,0-3,0)	
		3,0		
		(4)		6,8-7,8
	(4)		
		(
		- 0,5		
		- 1,0-1,5		
		0,1		
		(5)		7,8-9,6
	()		(
		0,6		
		- 0,5		
		- 1,0-1,5		
1,0				

	3,0				
“ ”_	()	()	0,15-0,20		
	-			2,0	
	()		1,0-1,5		
	- 1)			(-	
	”	0,4	-0,3		
	”	0,7			
				(6)	9,6-12,6
(?)	(6)				9,6-10,8
(1,0-3,0)	()				
				(6)	10,8-11,4
	1,0				
			0,7-1,0	5,0	
0,4					
				(6)	11,4-11,6
	()		0,2		
	()		0,2		

	-	(6).	11,8–12,6
'	-	()	-
,		10,0	-
(6).			-
		(7).	12,6–15,7
, 100			
		(-7).	12,6–14,5
()	1,3		
-	()	-	
(10)	(2),		
3,0		()	-
1,0	(1,3)		
()	0,6		
(- “ ”,)			
-		(-7).	14,5–15,7
()	0,3		
-		3,0	
()	0,9		
-	()	10,0	
		(8)	15,7–16,8
	0,5		
0,6	-	(8).	

, - (), , , - , -
 , - (), , , - , -
 10 , - 1-2 . -
 . . . , -
 , - (8), -
 [4, 8].
 (- 5 , - 10-15). () 16,8-17,6
 (9)
 ()
 , - , , ,
 , - , .
 , 10,0 .
 ,
 (10) 17,6-18,0
 -
 20 - , -
 (11) 18,0-18,4
 () 0,2
 , , , ,
 () 0,2 -
 , , ,
 (2,) (12). - 18,4-19,7
 - , , - ()
 , , 0,20-0,30 . -
 (, ,) -
 , , - , ,
 , , ()
 , - 0,4 .
 1,0 .

					19,7–21,4
					19,7–20,0
			(3,0)		
				(20,0–20,2
1,0)				(5,0–7,0)	20,2–20,6
		3,0			20,6–21,4
		(),	
				20,0	-
				(
)			
	21,4				
				2	-
			()		-
6 %,	- 60,	(<0,001)	- 21 %.		
	70	47 %.			
					47 %.
					-
		(3 %),	(52),		
	(25 %).				
		(4 %)	(59)		
	(19 %).				
(52 %)		(25 %).			
					-
				6 %,	- 59,
					- 22 %.

	(53 %)		(29 %).	
		6–13 %	, 46–51 –	25–27 %
	(55 %)		(19 %).	
	10	24 %.		
19–20 %.		10	15 %,	
	19–20 %.			
	(14–19 %)			
	15–17 %.		()
	18 %.			
	22–24 %.		()
	–	23 %.		11–14 %.
				15 %.
			4	10
			4	8.
			9.	
				5
				7.
				10.
				–
2,68	2,74 / ³ .		2,69–2,70 / ³ .	
(2,71 / ³)				2,73 / ³ .
				–
2,13 / ³ .				1,35
				–
				1,35
				1,83 / ³ ,
				–
			(1,94–1,96 / ³)	
			(1,83 / ³)	
		(1,93 / ³).		(2,01–2,08 / ³)

1,0 %.

[3].

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21.10.2014

19.11.2014

**ENGINEERING-GEOLOGICAL CHARACTERISTIC OF THE ROCKS
OF THE LOESS-SOIL SERIES FROM THE KEY SECTION BOYANYCHI
(VOLHYNIAN UPLAND)**

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Boyanychi key section is one of the most complete, most famous and best studied sections of periglacial loess-soil series of Volhyn-Podillia. An almost complete history of the formation of rocks for the last 600 000 years is represented here. There is total thickness of loess-soil series approximately is 25 meters in this section. This key section is stratotype of Sokal fossil soil. Pseudomorphs after the structures of cellular ice of Boyanychi palaeocryogenesis stage were allocated here for the first time for Volhyn-Podillia and individual significance of this stage was substantiated as one of the most ancient in the Pleistocene. Boyanychi key section was studied by the use of practically all methods which apply for the investigation of Pleistocene deposits (in particular, micromorphological, palaeocryogenic, palaeomagnetic, engineering-geological, palaeontological, methods of absolute dating of deposits etc.). Detailed description of the section and the results of engineering-geological studies of rocks of all selected loess and palaeosoil horizons were done. Individual properties of selected stratigraphic horizons and their dependence on the paleogeographic conditions of sedimentation were displayed.

Key words: loesses, fossil soils, palaeogeographical conditions, palaeocryogenesis, engineering-geological features, subsidence, Volhynian Upland.