



[17].

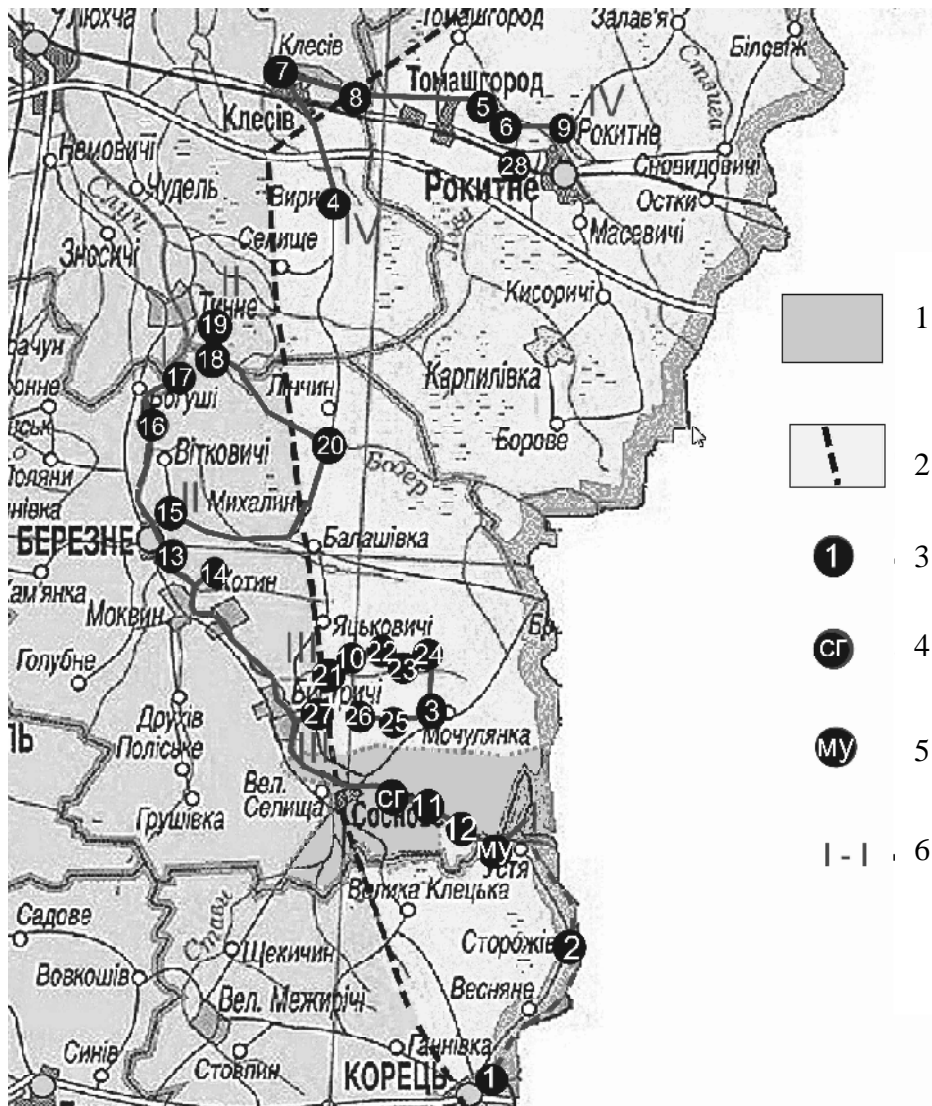
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[2, 6, 7, 10, 15].

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 [11]. , ,  
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 Q<sub>2</sub> . -  
 - - - [9]. ,  
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 - , [11].  
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 Q<sub>2</sub>-Q<sub>3</sub> . -  
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230 ). 160-205 (150-

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4-6 , ( 6 )

“ ” ;“ ”

139 2000 .

17 271 .

343 1983 .

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170 .

“ ” 1987 . [3]

2006 . [4].

1987 .

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2006 . 1987 .

2006 .

1983 .

2006 .

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[3] , -

2004 . -

18 ( . ). ,

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[8]. -

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[3]. -

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[3, 4].

2. ... ( [3], ... )
3. ... ( [3]. ... )
4. ... ( [4], ... 300 ... )
5. 0,8 (70 ) [3]. ... ( ... )
6. ... ( 15–20 ... ) [4].
7. ... ( 80 ) [4]. ... ( ... )
8. ... ( ... ) [4]. ... 40 ... [3, 4].



9.  $(\dots)$ .
10.  $6 \times 2 \times 1$  [4].
11.  $(\dots)$ , 18.
12.  $(0,2-1,0)$ ,  $(2-8)$ ,  $8-12$ ,  $20-25$ .
13.  $(\dots)$ ,  $(-1,3-1,8)$ ,  $20-25$ .
14.  $1,5-2,0$ ,  $0,5-3,0$ ,  $-3-5$ ,  $-5-8$ ,  $6-7$ ,  $-10-15$ ,  $-0,5-3,5$ .

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18. ( 36 ), 1970-3-8

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24. 2<sup>3</sup>.

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25. ... 1,5-2,0 ...

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26. “ ” 5 1,2

27. [1]. “ ” (4 )

28. ...

I-I. “ ” ( ).

— 44 “ ”

”, 12, 11, “ ”, 27, 13, 16, 17. : 1, 2.

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II-II.

“ ”, ( ).

- 12 .

- 108 .  
, : 18, 19, 20.

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I-I

( , , - , , ), -  
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III-III.

“ ”.  
- . - 30 .

- 64 . - : 21, 10, 22, 23, 24,

3, 25, 26.

IV-IV.

“ ”.

- - - - 51 .  
, : 4, 7, 8, 5, 6, 9, 28.

- 120 . ( 28).

1. „...”, 1988. – 86 .
2. „...”, 2008. .22–33.
3. „...”, 1987. 156 .
4. „...”, 2006. .1. 320 .
5. „...”, 1999. 39 .
6. „...”, 2006. .33. .99–111.
7. „...”, 2008. .24. .83–93.
8. „...”, 1988.
9. „...”, 1963. 250 .
10. „...”, 2008. .207–213.
11. „...”, 1976. 153 .
12. „...”, 2005. .51–56.
13. „...”, 2006 .382–391.
14. „...”, 2000. 34 .
15. „...”, 2009. .216–221.
16. „...”, 2000. 34 .
17. Gałuszka A., Wojciechowski K. Geoparki – nowa forma ochrony litosfery. <http://pracownia.org.pl/dzianie-zycie-numery-archiwalne,2102,article,2212>

18. Geoturystyka – podstawowe pojęcia/Tadeusz Słomka, Alicja Kicińska-widerska // Geoturystyka 2004. t. 1 nr 1 s. 5–7.

### GEOTYPES OF THE NORTH-WESTERN LAND OF UCS AND THEIR USAGE IN GEOTOURISM

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It was shown an ability of detachment of valuable geotypes and creation of some geotouristic marshroutes on their base with the aim to preserve of geological-geomorphological heritage and to use it realizadle in geotourism (north-western land of Ukrainian Crystalline Shield was taken as a example). 28 geotypes of geological and geomorphological characters were detached, which with regional “Nadsluchanskiy landscape park” and reserved parks “Socolyni Hory” and “Marynynsko-Ustyanski Hranity” made up a geotouristic carcass of territory. 4 geotouristic marshroutes were worked out for familiarizing with valuable geological-geomorphological objects. It was put the base for future creatioof a geopark “North-western land of Ukrainian Crystalline Shield” on its territory.

*Key words:* north-western land of Ukrainian Crystalline Shield, geological-geomorphological heritage, geotourism, geopark.

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