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17 2004 .

**PALEOGEOGRAPHICAL ASPECTS OF GROUNDWATER FORMATION
AND CHEMICAL COMPOSITION OF YAMAL-NENETS AUTONOMOUS REGION**

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***Management of the operative control over use of natural resources, SF «Resources of Yamal»*

Groundwaters of Yamal-Nenets district have the smallest, practically fresh mineralization. Their elemental composition, conditions of distribution and hydro-geological parameters are depended on the history of landscape development, a paleo-hydrogeological history and are subordinated to natural concentric zonal distribution. A deepened analysis of influence of a frozen ground, hydrogeological and paleogeographical factors on conditions of formation and housing of fresh groundwater of a zone paleocrystic frozen soils allows to carry out more purposefully searches and exploration of groundwater deposits, and also to predict a change of groundwater compound on working drawoffs.

Key words: *groundwaters, frozen ground, Yamal-Nenets district.*

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15 %

91 %

[..., 2003].

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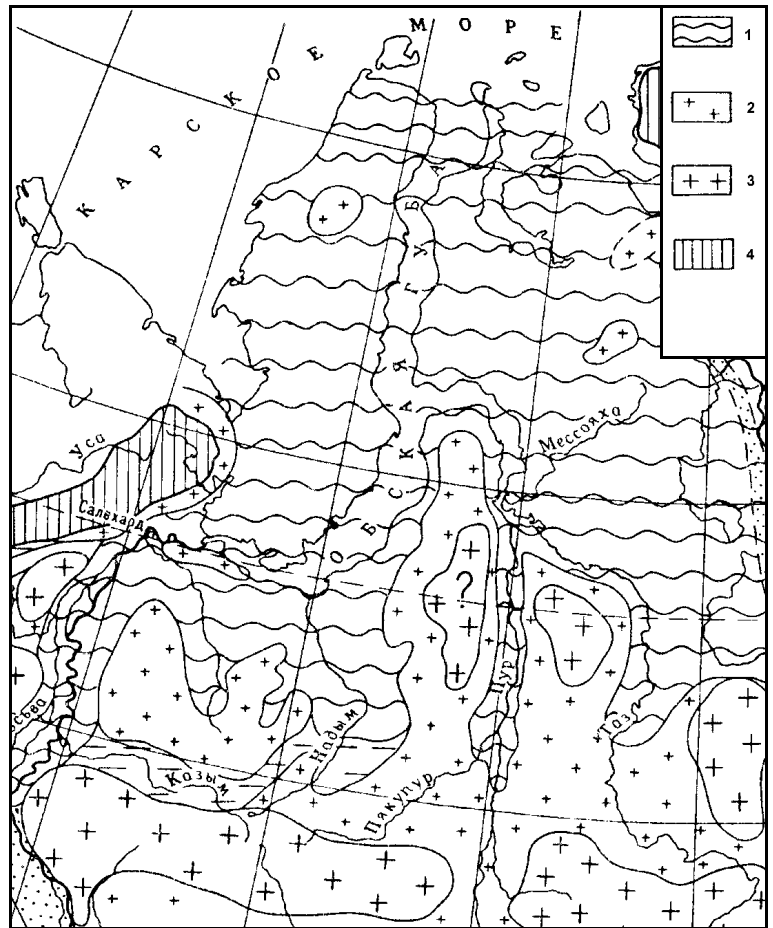
(1,5 × 10⁸)

	(/ ³)
Na ⁺	2,60
	0,70
NH ₄ ⁻	0,40
Ca ²⁺	5,95
Mg ²⁺	3,15
Fe ³⁺	1,90
I ⁻	0,50
SO ₄ ²⁻	1,20
NO ₃ ⁻	0,10
NO ₂ ⁻	0,01
	45,80
SiO ₂	26,60
PO ₄ ³⁺	0,20
	6,35
	80,00
	2,25
	0,01
	0,003
	0,02

75 %

1998],

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 ([, 1971]).
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(70 000

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[, 2001] ():

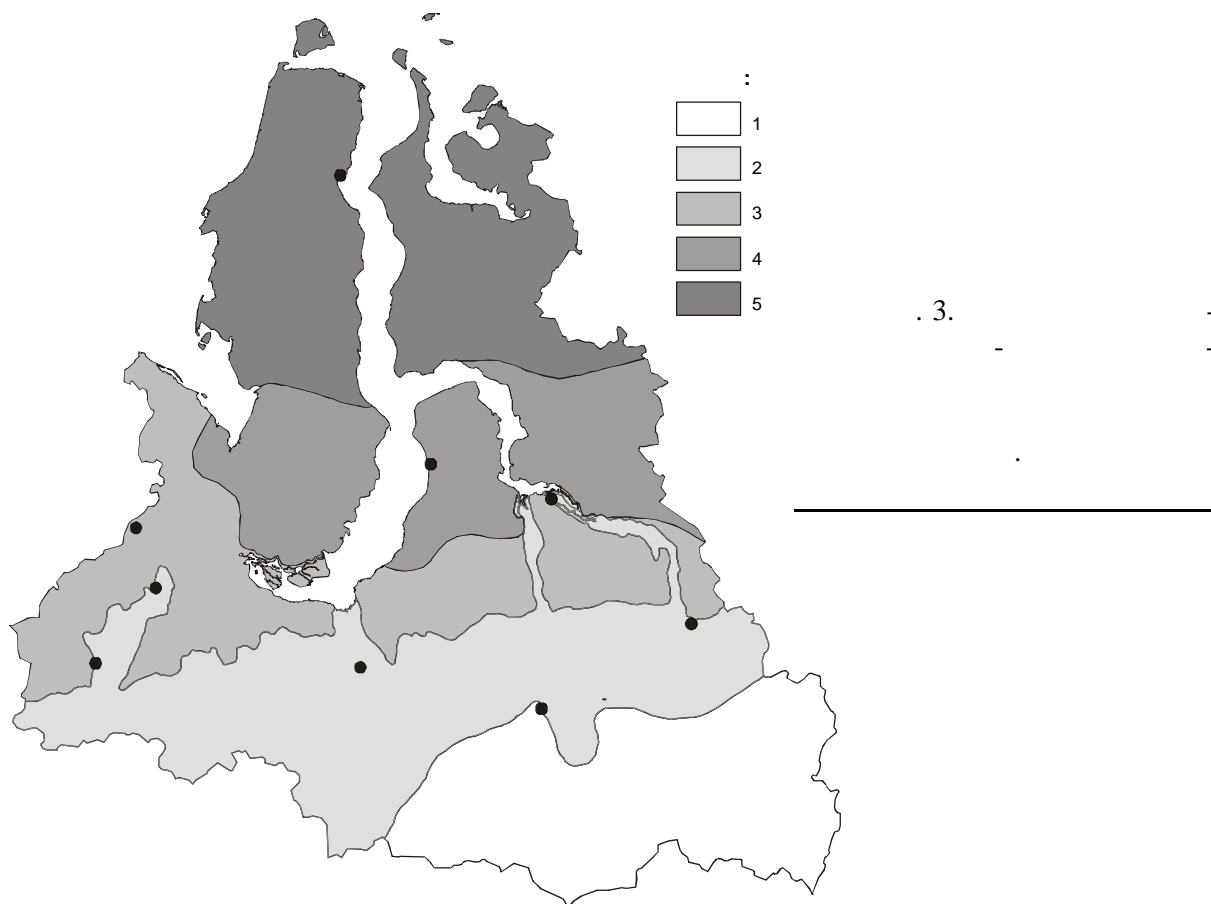
1) () ;

2) () ; (- 10-15)

3) 60-70 . 80 . , 90-150 , (66°), 300 . 95 .

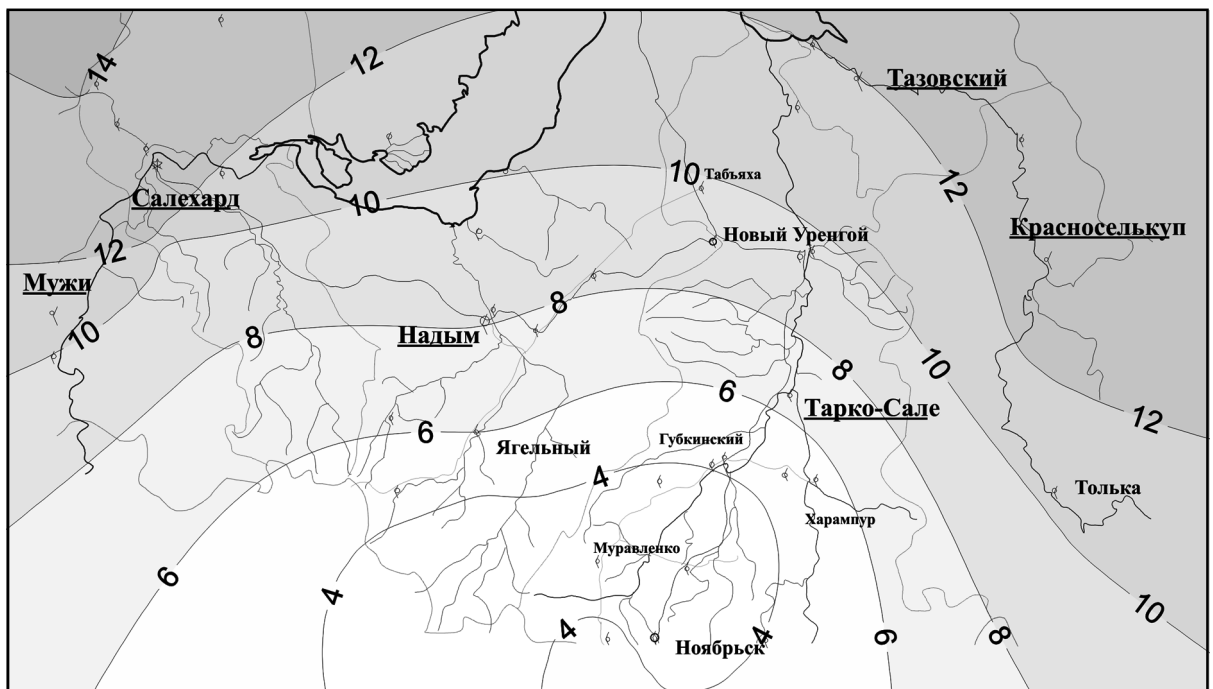
-8- -9° -1- -3° -2-0° (90-150), (100) . -2- -5° (. -)

..., 2000], [150 300 (200-280). [, 2000] 300 400 (. 3). 10 30 %, 3,5 / ². 30 70 % 2,5 / ² 300 . 90 % 1,5 / ².



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 90 100 %
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 (< 0,05 / ²). [, 2000].
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(/ 3).

