
Anotacijos

Abstracts

Jarmalavičius D., Pupienis D., Žilinskas G., Janukonis Z. Trends of foredune ridge dynamics in the Curonian Spit. *Geography. Scientific Journal. 2003. Vol. 39(1).*

The trends of Curonian Spit dune ridge dynamics are described on the basis of field data collected in 1994–2002. The authors focus on the sand balance of the last 8 years.

References 10. Figs. 4. Table 1. Lithuanian, summary in English.

Keywords: sea coast, foredune ridge

Kilkus K., Bernatonis M. Thermics, oxygen regime and water conductance of Lake Balsys and Lake Gulbinas. *Geography. Scientific Journal. 2003. Vol. 39(1).*

Annual cycles of vertical distributions of temperature, dissolved oxygen and water conductivity in two glacial tunnel lakes located in the surroundings of the Vilnius City have been analyzed. The differences are shown to agree with the morphometry and trophic level as well as hydrology of the lakes. In the deep Lake Balsys, the development of temporary autumnal meromixis resulting from ground-water in seepage was observed, too.

References 10. Figs. 10. Tables 2. Lithuanian, summary in English.

Keywords: glacial tunnel lake, water temperature, dissolved oxygen, water conductivity, temporary meromixis

Žaromskis R., Pupienis D. Peculiarities of currents in different hydrodynamic zones of the Southeastern Baltic Sea. *Geography. Scientific Journal. 2003. Vol. 39(1).*

Currents in different hydrodynamic zones of the Southeastern Baltic Sea are presented. On the basis of current velocity data the hydrodynamic zone was distinguished. The presented zonation is mostly applicable for the Lithuanian water area because of the zones.

References 10. Figs. 5. Table 1. Lithuanian, summary in English.

Keywords: Baltic Sea, currents

Volungevičius J. Riverbed meandering connections with morphogenetic environment of valleys (on an example of the Southeast Lithuanian old valley). *Geography. Scientific Journal. 2003. Vol. 39(1).*

Connections of riverbead morphometric parameters with valley morphogenesis have not yet been given thorough studies. Alongside these connections, variations of the riverbed meandering coefficient are studied for places where a riverbed crosses river-valley segments of the same genesis but different lithologic structure.

Currents in different hydrodynamic zones of the Southeastern Baltic Sea are presented. On the basis of current velocity data hydrodynamic zones were distinguished. The zonation is mostly applicable for the Lithuanian water area.

References 30. Figs. 5. Table 1. Lithuanian, summary in English.

Keywords: riverbed, morphometric analysis, river meandering, valley

Stanaitis A. Changes in the national structure of Vilnius City in the second half of the 20th century. *Geography. Scientific Journal. 2003. Vol. 39(1).*

Changes in the national structure of the Vilnius City in the period 1959–2001 are analysed. Also, the dynamics of the nationalities is shown.

References 12. Figs. 3. Tables 3. Lithuanian, summary in English.

Keywords: population's national structure, demographical changes, Vilnius City

Pileckas M. Changes in the national structure of East Lithuanian population after the restoration of Lithuania's independence. *Geography. Scientific Journal. 2003. Vol. 39(1).*

Based on the results of the general census of the Lithuanian population (1989 and 2001), individual sociological inquest of the population in the region under consideration and analysis of changes in the status of education, the author analyses changes in the national structure of the East Lithuanian population (scale, trends, causes) and predicts the

future development patterns of national processes in the region.

References 11. Figs. 2. Tables 3. Lithuanian, summary in English.

Keywords: East Lithuania, national processes, changes of national composition

Standl H. Vilnius' long way in forming a modern city-centre. *Geography. Scientific Journal*. 2003. Vol. 39(1).

In the context of a long-term field research (since 1994), a whole number of different factors were analysed in order to be able to explain adequately the changes of the offer structures and above all

the spatial location patterns of the retail trade in the capital of Lithuania during the past ten years. The article describes the contextual effects that are responsible for the fact that Vilnius still has many problems in forming a modern city-centre. The development since the beginning of the 1990s, *i.e.* the post-socialist transition of the location patterns in the urban retail trade, is essentially determined by the changes in the operating structure as well as by a complex of spatial factors.

References 17. Figs. 2. English, summary in Lithuanian.

Keywords: Vilnius, economic transition, retail trade, location patterns, city-centre