



ZHITKOVICHI DISTRICT



For the first time Zhitkovichi was mentioned in the Lithuanian metrics in 1500. In that remote time Zhitkovichi was a part of the grand Lithuanian duchy and then the Polish state. After joining the Belarusian territories to the Russian Empire (1793) Zhitkovichi became a centre of the volost in Mozyr uyezd of Minsk province. The population of the estate occupied itself with agriculture and apiculture.

After building the Polesye railway in 1886 that passed through the small town of Zhitkovichi the industry began to be developed there. It consisted of enterprises for processing wood and agricultural products. On July 17, 1924 Zhitkovichi volost was renamed to Zhitkovichi district. До 1937 года Житковичи оставались местечком, а с 27 сентября 1938 года получили статус городского поселка.

The district obtained its modern borders in 1962. Its administrative centre is a town of Zhitkovichi. Zhitkovichi district is located in the south-west of Gomel region. It borders on Petrikov and Lelchitsy districts of Gomel region, Stolín and Luninets districts of Brest region and also on Lyuban and Soligorsk of Minsk region.

In its modern borders starting with 1962 the area of the district makes 2.9 km², 56.3% of them are covered by forest prevalence of coniferous and black alder breeds, 13.9% of the territory

are covered by rivers, lakes and artificial reservoirs, the total land area is 70.9 thousand hectares, 52.8 thousand hectares of them are agricultural holdings including 23.1 thousand hectares of ploughed fields.

The territory of the district is crossed by the railway Brest – Gomel as well as by the motorways Brest – Gomel, Minsk – Mikashevichi, Zhitkovichi – Stolin. The river Pripyat is navigable.

The territory of the district is located within the Pripyat Polesye. The landscape is low, flat and waterlogged and it is situated at a height of 120 to 145 meters. Near the village Belyayev there is a highest point of the district of 184.1 meters.

In the territory of the district there are fields of shale oils, brown coal, building stones, peat and kaolin, rare-earth metals, sand, sandy and gravel mixtures of clay, granite and quartz gneisses

The pearls of Polesye are the lakes Chervonoye (the largest in Gomel region, its area is 43.6 km²) and Belaye (15.6 km²). The longest river flowing within the district is Pripyat with its inflows Sluch, Stviga, Skripitsa, Naut and Svinovod.

In the district there are the National park “Pripyatsky”, a part of the botanical reserve “Nizovye Sluchi”, the Zhitkovichi and Lenin hunting reserves, Zhitkovichi botanical reserve of herbs and the monument of nature “Naslazhdeniye Pontiyskoy Azalii”.

In the district there are 109 settlements, 107 of them are rural. As for the administrative division Zhitkovichi district is divided into Turov town Soviet of Deputies and thirteen rural Soviets of Deputies (Veresnitsa, Rychev, Ozerany, Pererov, Rudnya, Morokhorovo, Dyakovichi, Chervonoye, Lyudenevichi, Bronislav, Yurkevichi, Lenin and Milevichi)

The population of the district consists of 48.7 thousand inhabitants. 20.5 thousand persons live in urban conditions and 28.2 thousand persons live in villages. A centre of the district is a town Zhitkovichi with the number of population of 16.9 thousand inhabitants (2004). The average density of population makes 16 persons per 1 km².

From 2001 to 2003 the WBC measurements were performed in the following settlements of Zhitkovichi district: Zhitkovichi (boarding school), Bronislav, Grichinovichi, Gryada, Ozerany, Pogost, Yurkevichi, Kolno and Grebenevsky.

Bronislav

| Index | Value | Data source |
|--|-------------------------|--|
| ¹³⁷ Cs contamination density of the territory | 1,04 Ci/km ² | Dose Catalogue of the Ministry for Public Health Services of the Republic of Belarus 2004. |
| Number of inhabitants | 242 persons | Bronislav village soviet, 12.05.2005 |
| External dose | 0,12 mSv/a | Dose Catalogue of the Ministry for Public Health Services of the Republic of Belarus 2004. |
| Internal dose | 0,70 mSv/a | -----«----- |
| Cumulative dose | 0,82 mSa/a | -----«----- |

According to data dated to May 2005:

the number of pupils in the Bronislav basic school makes 95 persons, of teachers – 16 persons, other workers – 15 persons;

In the basic school there learn the children from following villages: Bronislav, Lagvoshchi, Vilcha and Zagatye.

March 13, 2001

The measurement of children in the village Bronislav was performed in the Bronislav basic school building. A total of measured persons was 82 persons (65 children and 17 adults).

Average ¹³⁷Cs specific activity in the whole group (n = 65): 34.2 ± 2.1 Bq/kg.

Average ¹³⁷Cs specific activity in the critical group (n = 15): 58.3 ± 4.6 Bq/kg.

Median value in the whole group: 30.0 Bq/kg.

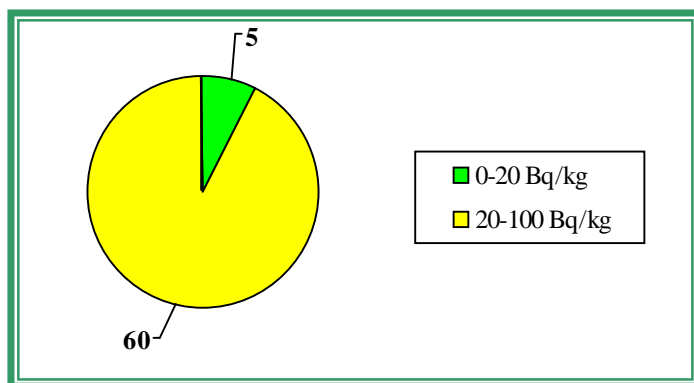
Median value in the critical group: 49.8 Bq/kg.

The table 1.1 demonstrates the maximal levels of ¹³⁷Cs specific activity (the critical group) according to the results of measurements dated to March 13, 2001.

Table 1.1

| No. | Surname Name Patronymic | Occupation | Sex | Weight, kg | Year of birth | Sp. activity, Bq/kg |
|-----|-------------------------------|------------|-----|------------|---------------|------------------------|
| 1. | M.V.A. | SCHOOLGIRL | F | 25 | 1993 | 90.4 |
| 2. | I.Yu.V. | SCHOOLGIRL | F | 45 | 1988 | 89.5 |
| 3. | S.N.N. | SCHOOLBOY | M | 49 | 1987 | 76.2 |
| 4. | T.V.I. | SCHOOLBOY | M | 42 | 1986 | 73.1 |
| 5. | I.R.V. | SCHOOLBOY | M | 61 | 1986 | 69.9 |
| 6. | H.S.V. | SCHOOLBOY | M | 54 | 1987 | 65.6 |
| 7. | S.A.A. | SCHOOLBOY | M | 43 | 1987 | 55.4 |
| 8. | A.S.A. | SCHOOLGIRL | F | 48 | 1989 | 49.8 |
| 9. | L.S.S. | ШКОЛЬНИК | M | 31 | 1991 | 47.5 |
| 10. | T.F.N. | ШКОЛЬНИК | M | 44 | 1988 | 45.2 |
| 11. | K.Yu.A. | SCHOOLGIRL | F | 29 | 1992 | 43.9 |
| 12. | D.O.V. | SCHOOLGIRL | F | 21 | 1993 | 43.7 |
| 13. | H.E.V. | SCHOOLGIRL | F | 56 | 1985 | 43.2 |
| 14. | S.S.A. | SCHOOLBOY | M | 70 | 1983 | 41.4 |
| 15. | H.O.V. | SCHOOLGIRL | F | 22 | 1993 | 39.0 |

The figure 1.1 contains the diagram of the interval ¹³⁷Cs specific activity distribution in pupils in the Bronislav basic school Zhitkovichi district of Gomel region in accordance with the results of measurements dated to March 13, 2001.



←Figure 1.1 - Diagram of the interval ¹³⁷Cs specific activity distribution in pupils in the Bronislav basic school Zhitkovichi district of Gomel region in accordance with the results of measurements dated to March 13, 2001.