



Russian Federation

Capital city: Moscow
Inhabitants: 144.5 Million

INSTITUTIONAL SETTING AND PURPOSE

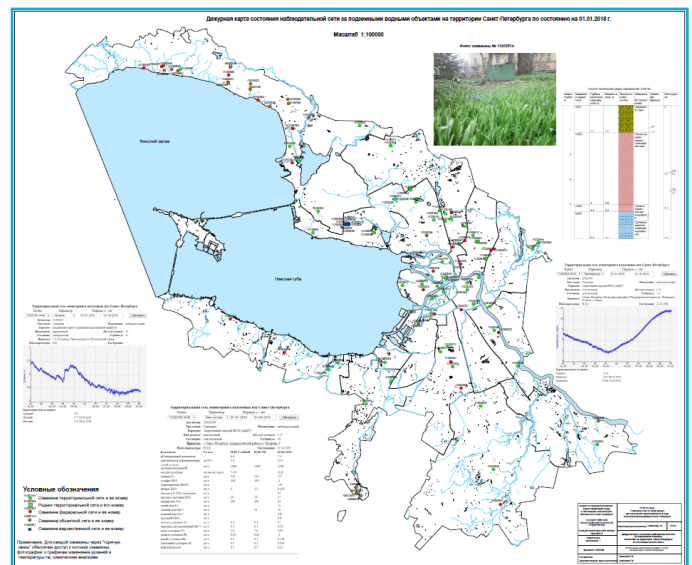
The Ministry of Natural Resources and Environment (Minprirody) is in charge of policy making and regulation in the field of research, usage and conservation of natural resources. This includes the subsoil, water bodies, forest, fauna, hydrometeorology, wastewater, environmental monitoring and pollution control. Minprirody supervises the Federal Service for Hydrometeorology and Environmental Monitoring, and the Federal Agency for Water. National environmental monitoring includes groundwater monitoring as subsoil sub-monitoring program.

At the same time groundwater is the part of water resources sub-monitoring program. The main purpose of the national groundwater monitoring program is to assess the status of groundwater resources and make forecasts; this includes an estimation of operational groundwater reserves and their current use. National network is composed of regional and local monitoring networks, the example of St. Petersburg's network is described below.

CHARACTERISTICS OF THE NETWORK

The Committee for Nature Use, Environmental Protection and Ecological safety established groundwater monitoring system in 2005 in St. Petersburg. By the end of 2018, the network was operated by 61 observation points, Figure 1. Among them 49 wells are drilled in the shallow aquifer, 5 wells are in the Upper Intermoraine-, 1 well is in the Lower Intermoraine-, and 5 wells are in the Vendian Aquifer. 44 monitoring wells are equipped with automatic measuring instruments.

Figure 1 - Map of groundwater monitoring network status in St. Petersburg as of January 1, 2018



PROCESSING AND DISSEMINATION

The Centre for National Monitoring of subsoil and regional works "Hydrospetzgeologiya" under the Federative Agency on

subsoil publishes reports on state and seasonal forecasting of groundwater levels. See figure on next page.

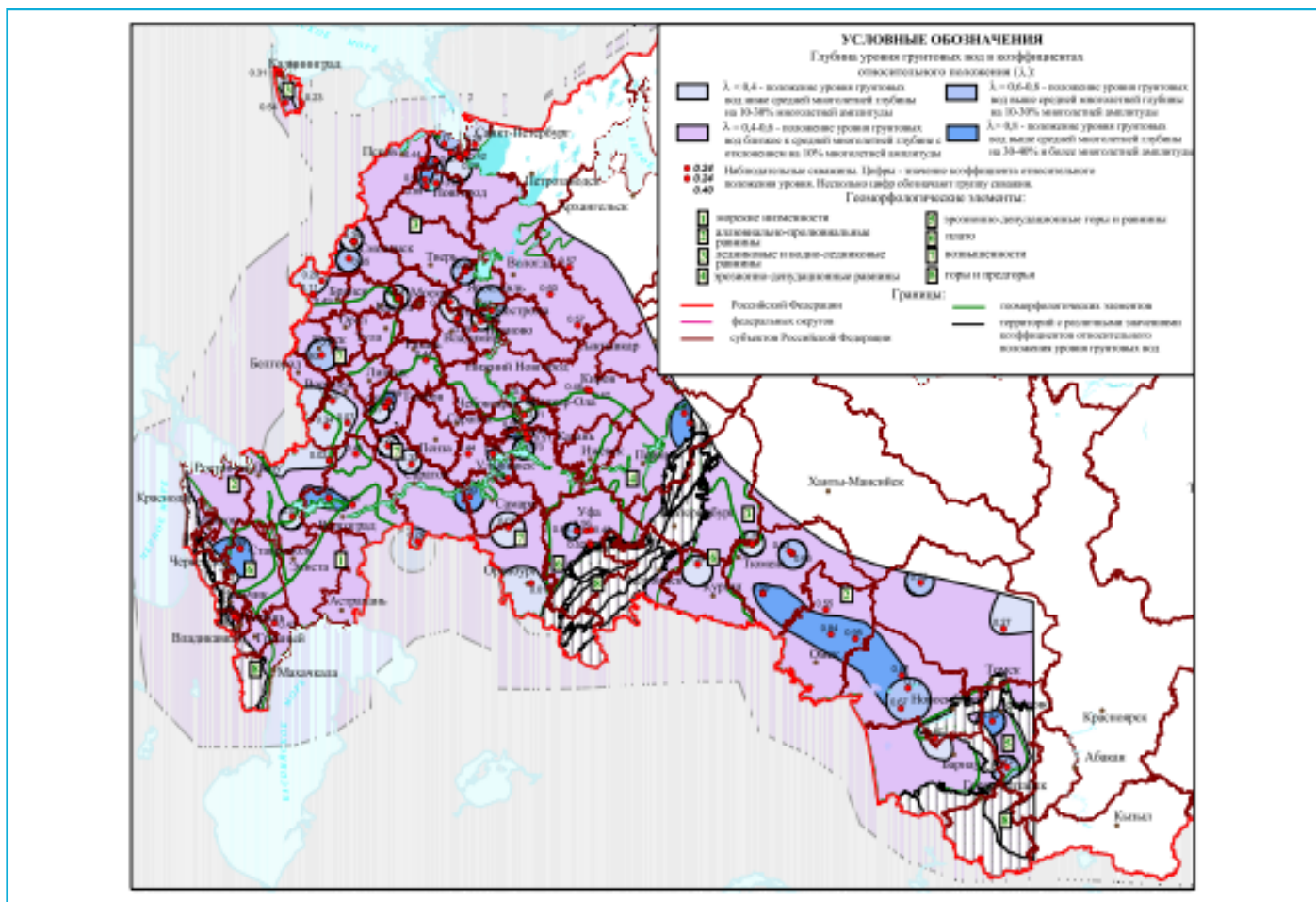


Figure 2 - The prognoses of maximal groundwater levels in the European part of Russia and the West Siberia (2020)

Sources

- **AQUASTAT. Country Profile - Russian Federation** - http://www.fao.org/nr/water/aquastat/countries_regions/RUS/;
- **Ecological Portal of St. Petersburg. Groundwater Observation System** - <http://www.infoeco.ru/index.php?id=243>;
- **Information site on the state of the subsoil of the Russian Federation. Forecasts and reports** - http://www.geomonitoring.ru/inform_product_svodki.html;
- **Information site on the state of the subsoil of the Russian Federation. Newsletter on the status of subsoil in the Russian Federation** - http://www.geomonitoring.ru/inform_product_ib.html; and
- **Subsystem of monitoring of the state of the subsoil. Directions of work of the Ministry of Natural Resources of Russia** - http://mnr.gov.ru/activity/directions/gosudarstvennyy_ekologicheskij_monitoring/podсистема_gosudarstvennogo_monitoringa_sostoyaniya_nedr.