



REPORT ON THE STATE OF IMPLEMENTATION OF THE COUNCIL DIRECTIVE
91/676/EEC

CONCERNING THE PROTECTION OF WATERS
AGAINST POLLUTION CAUSED BY NITRATES
FROM AGRICULTURAL SOURCES

IN THE SLOVAK REPUBLIC

2020

MAP ATTACHMENTS

(optimized for printing at A3 format)

Ministry of Environment of the Slovak Republic
Water Research Institute
Slovak Hydrometeorological Institute

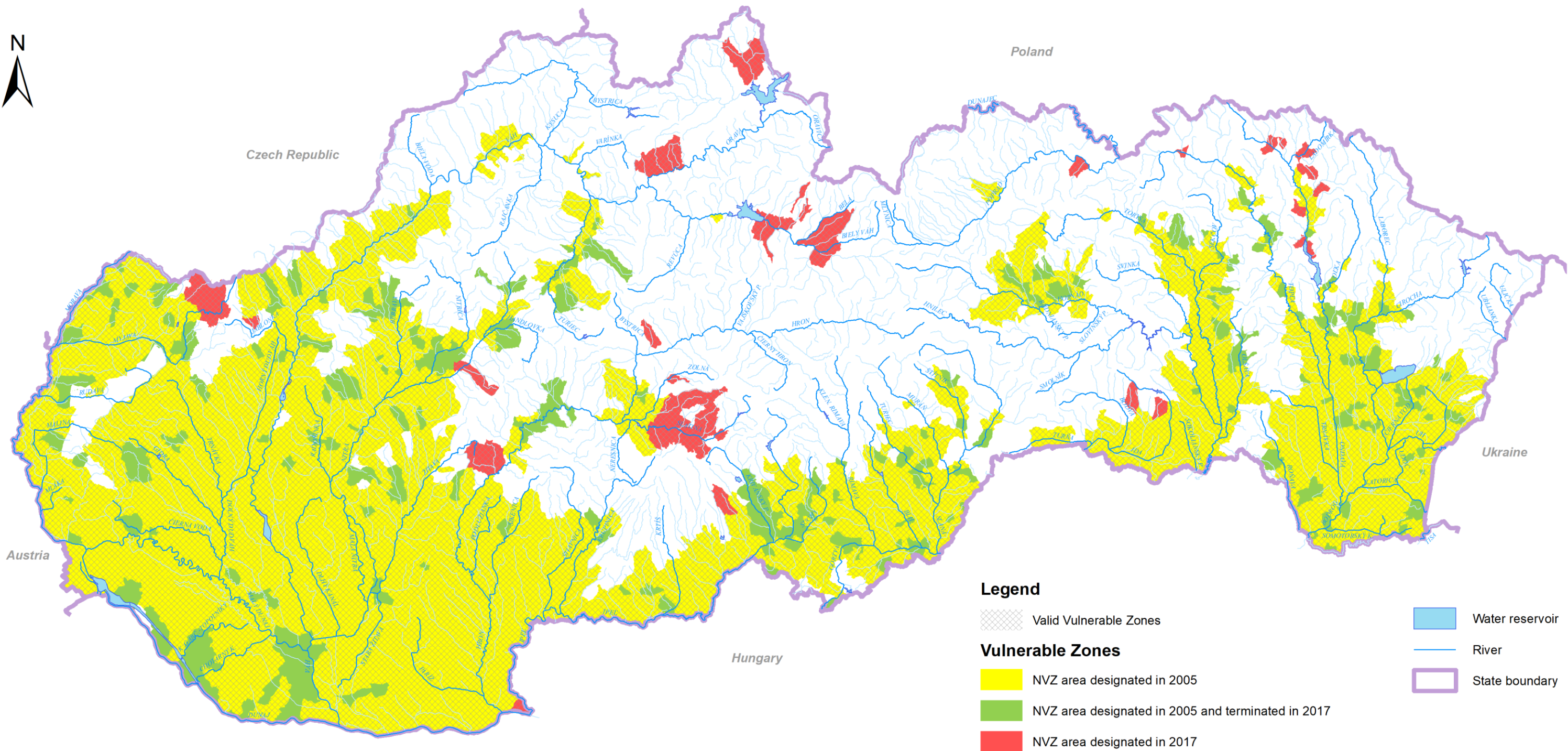
Ministry of Agriculture and Rural Development of the Slovak Republic
Soil Science and Conservation Research Institute

MAP LIST

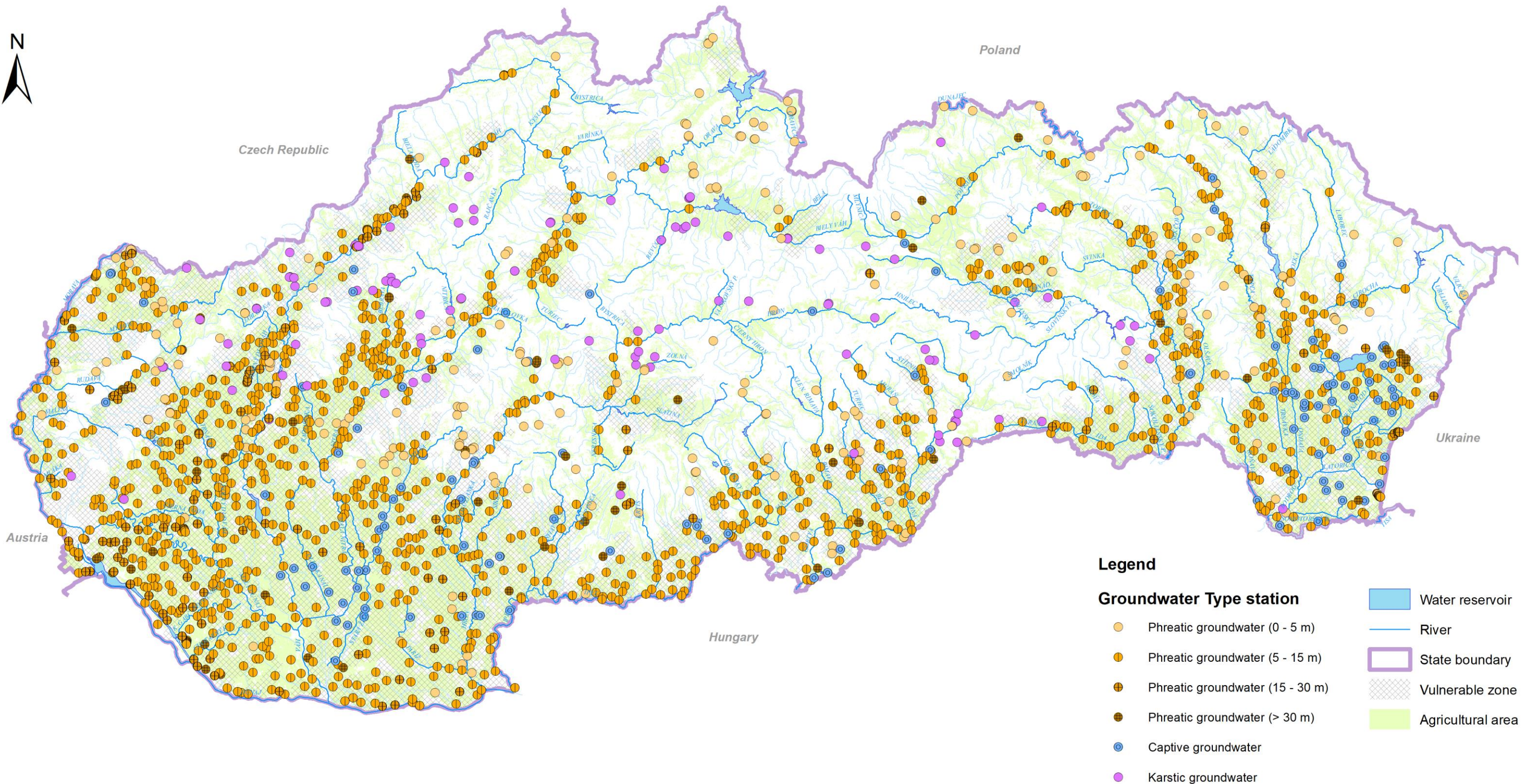
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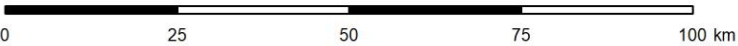
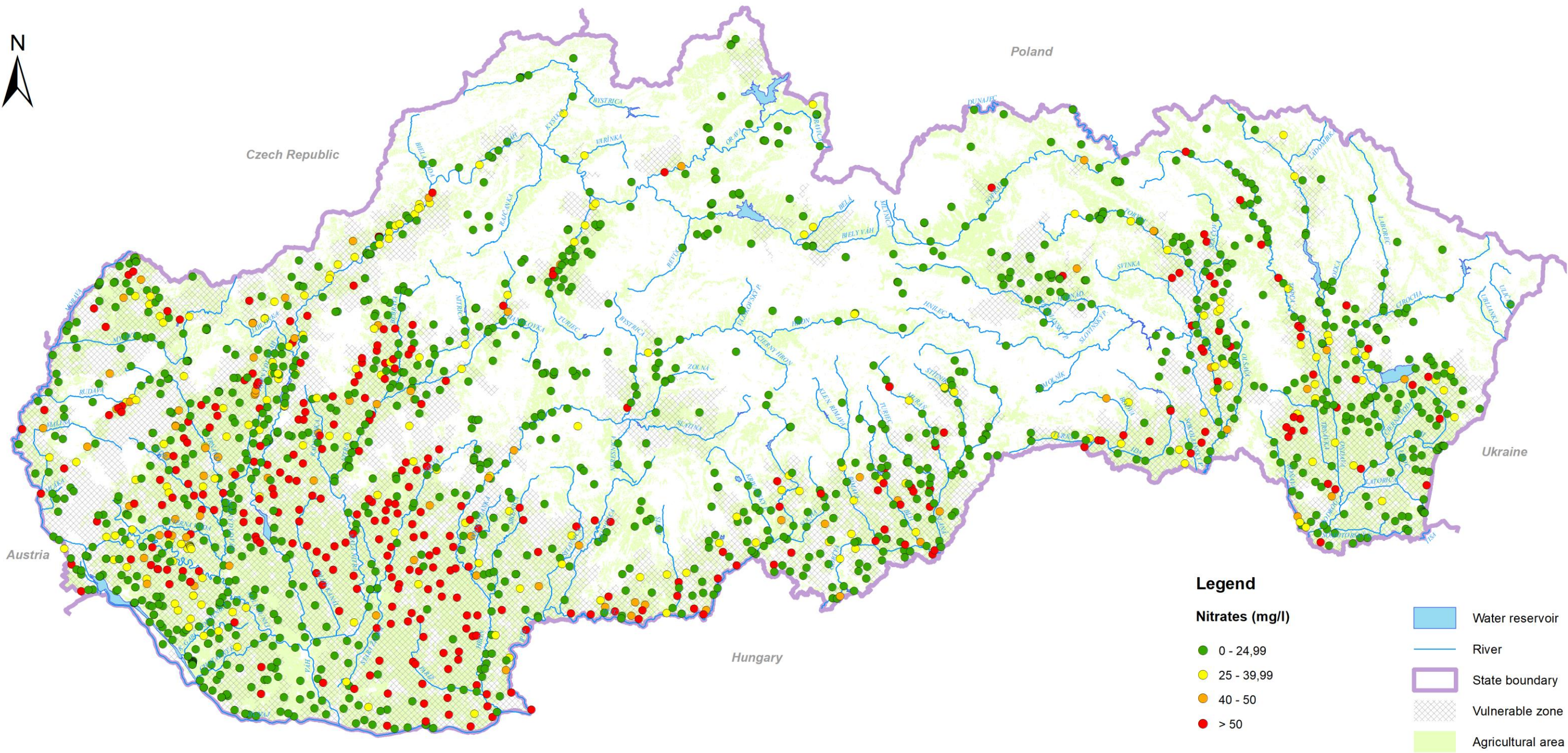
Nitrate Vulnerable Zones (2019)



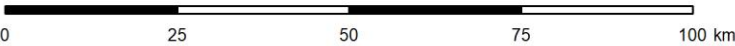
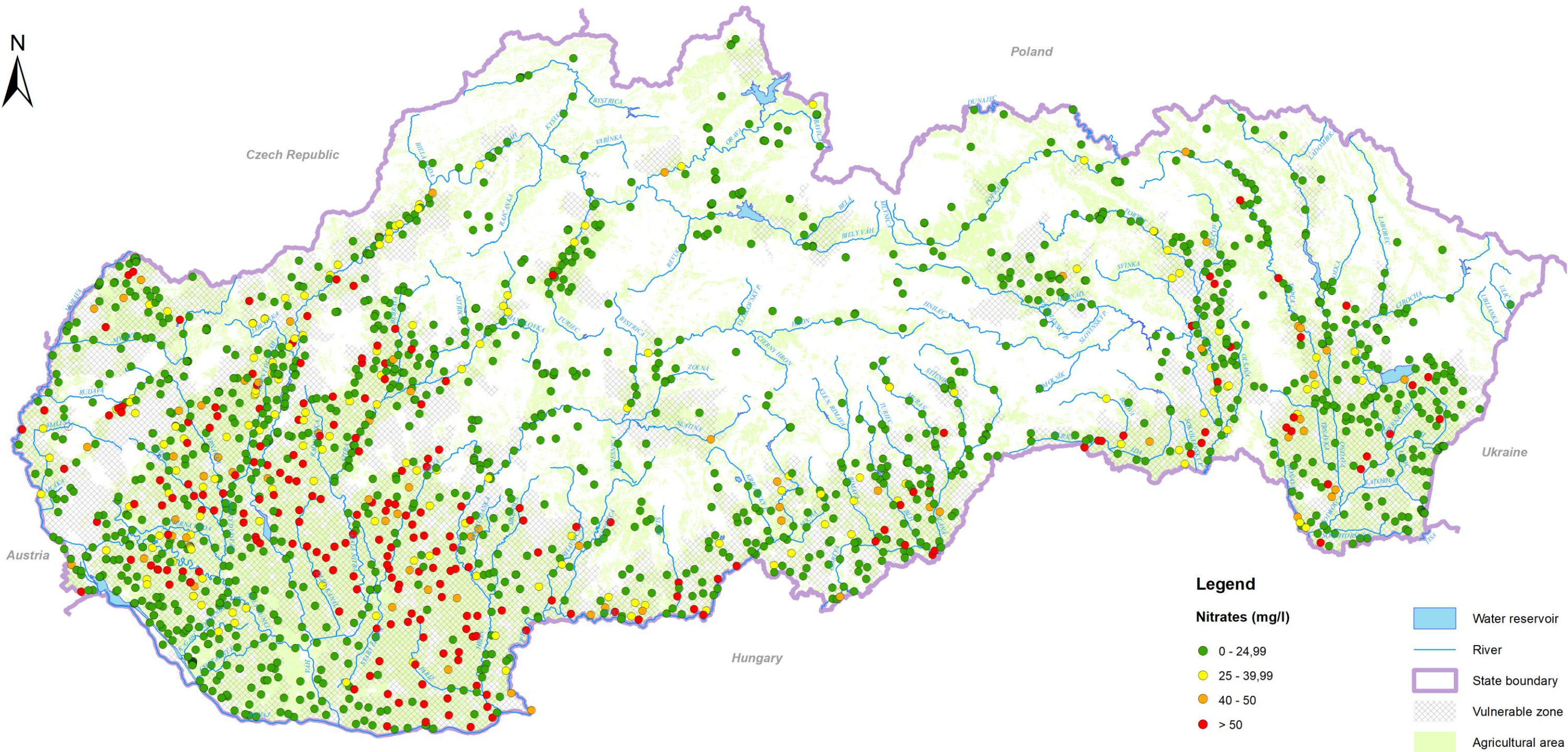
Groundwater
Monitoring sites (2016 - 2019)



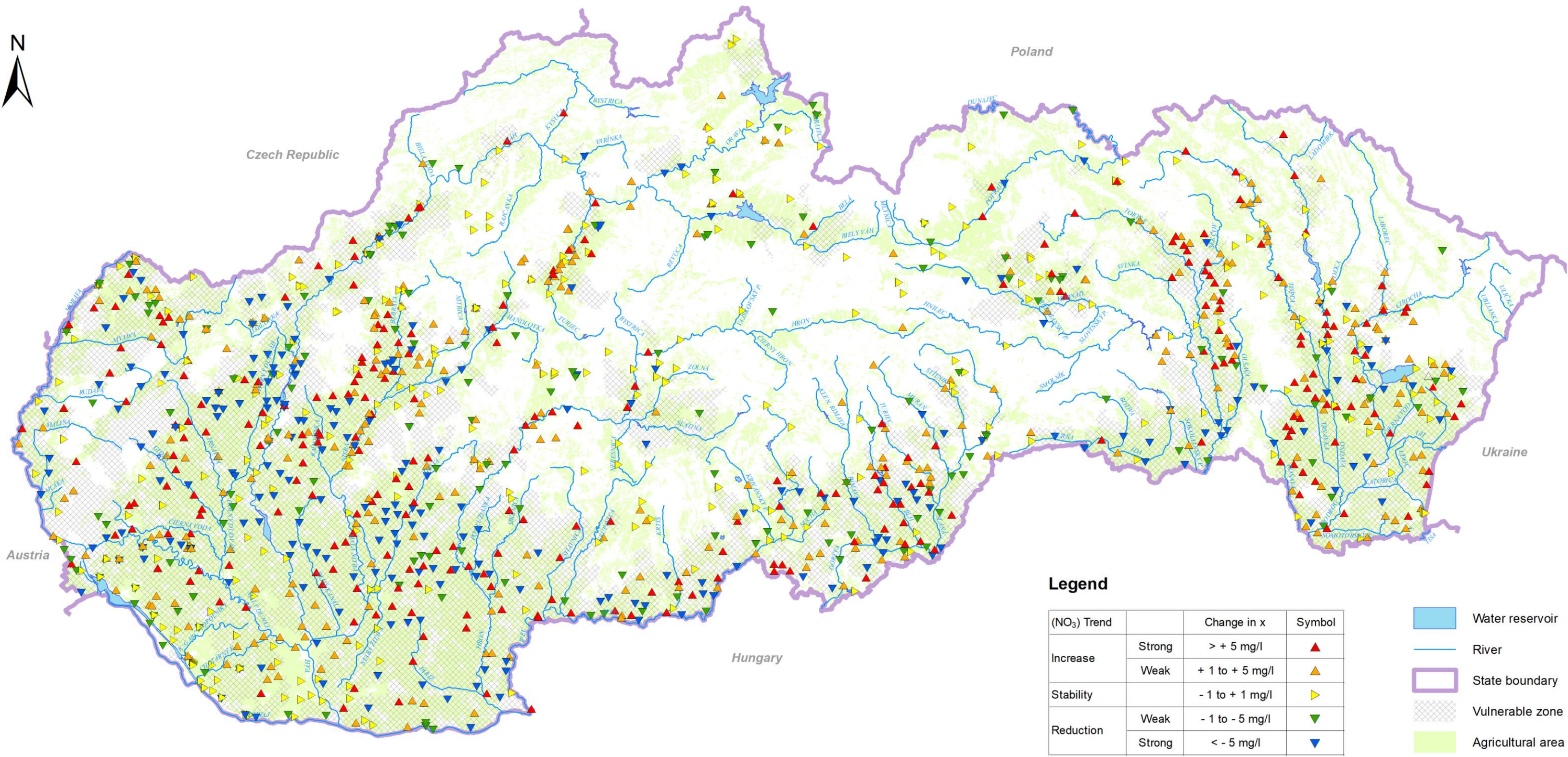
Groundwater
Maximum nitrate concentrations (2016 - 2019)



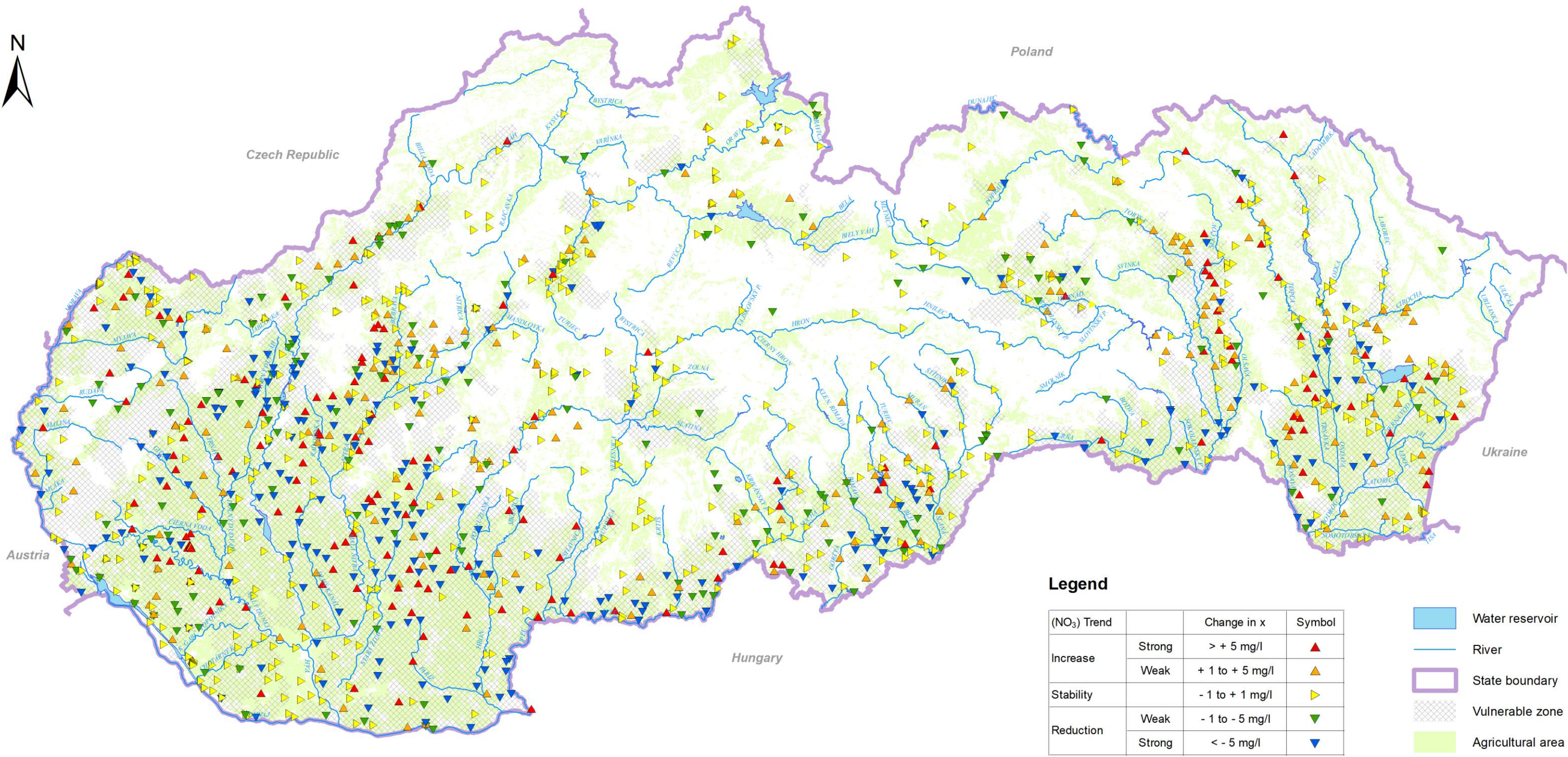
Groundwater
Average nitrate concentrations (2016 - 2019)



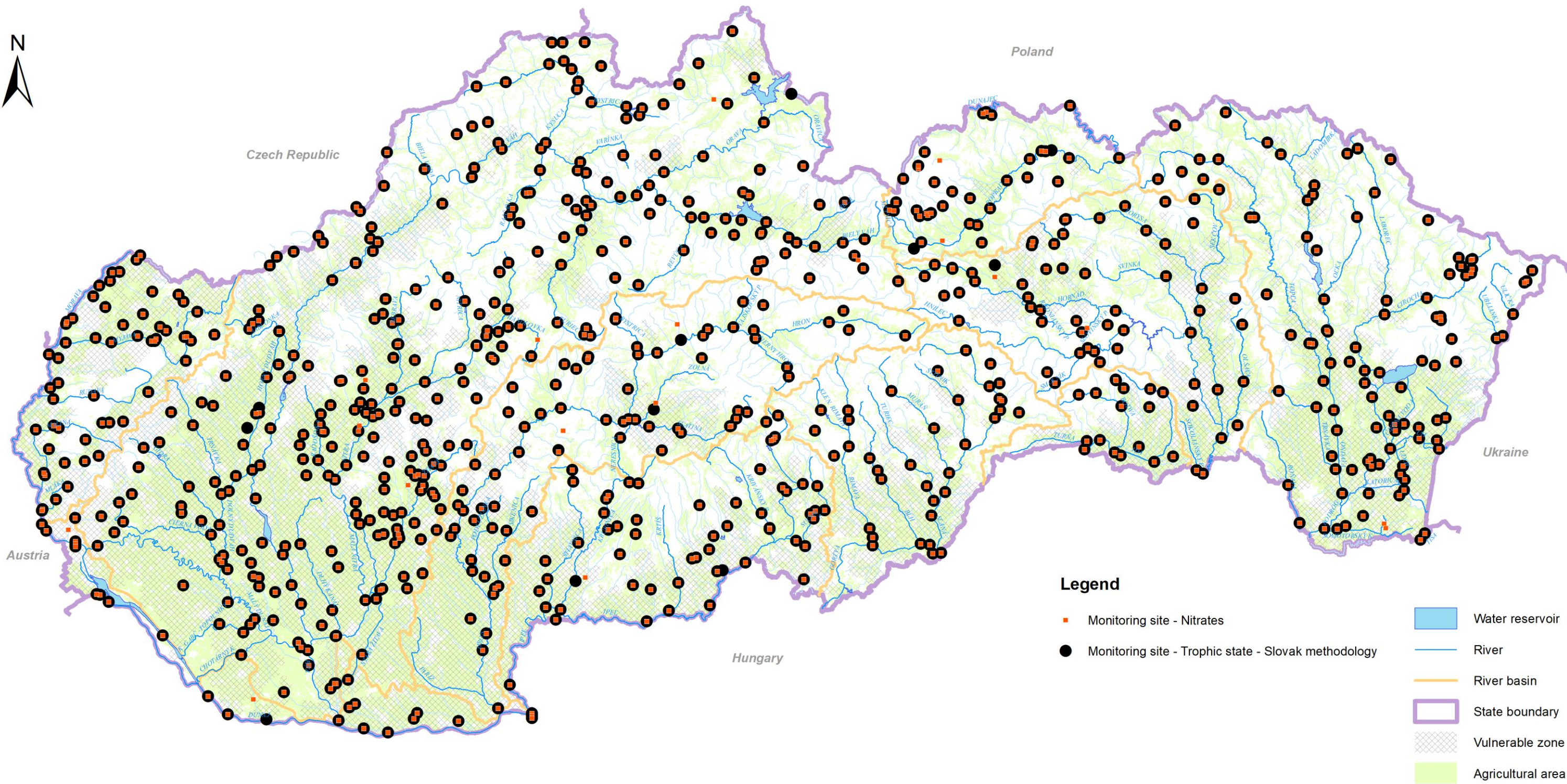
Groundwater
Trend in maximum nitrate concentrations between periods (2012 - 2014 and 2016 - 2019)



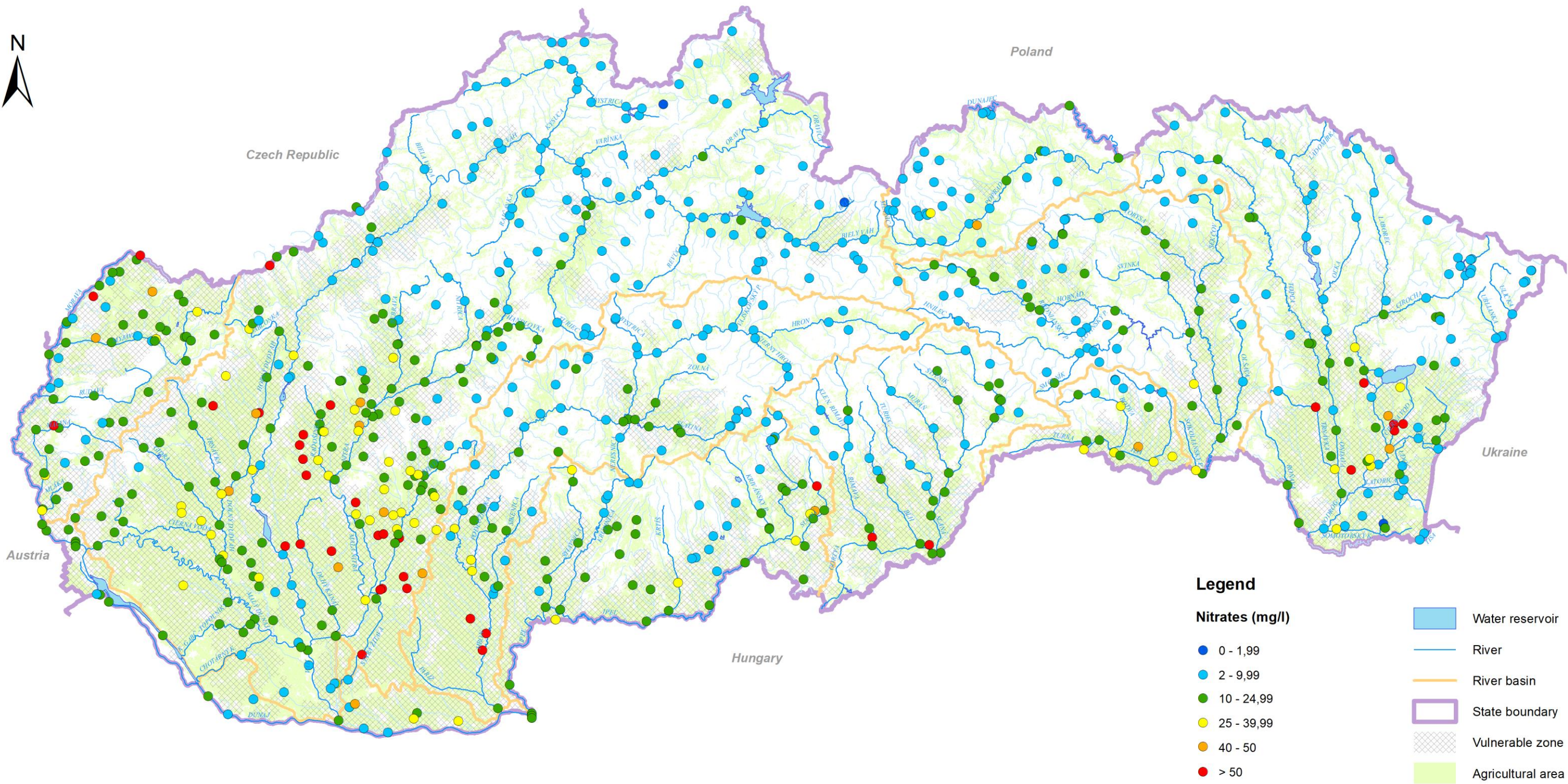
Groundwater
Trend in average nitrate concentrations between periods (2012 - 2014 and 2016 - 2019)



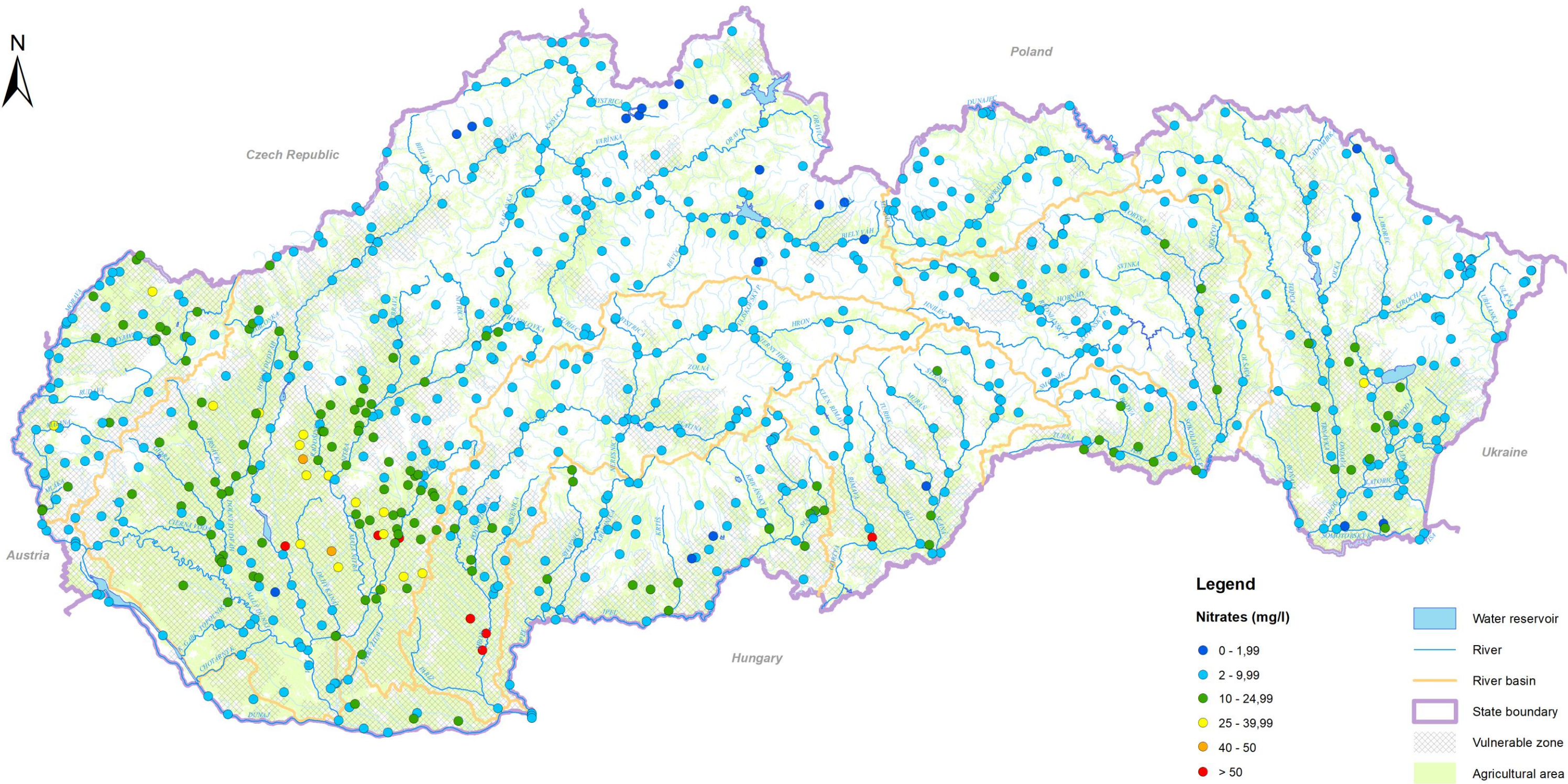
Surface water
Monitoring sites (2016 - 2018)



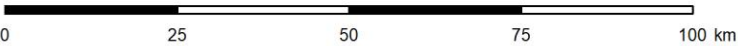
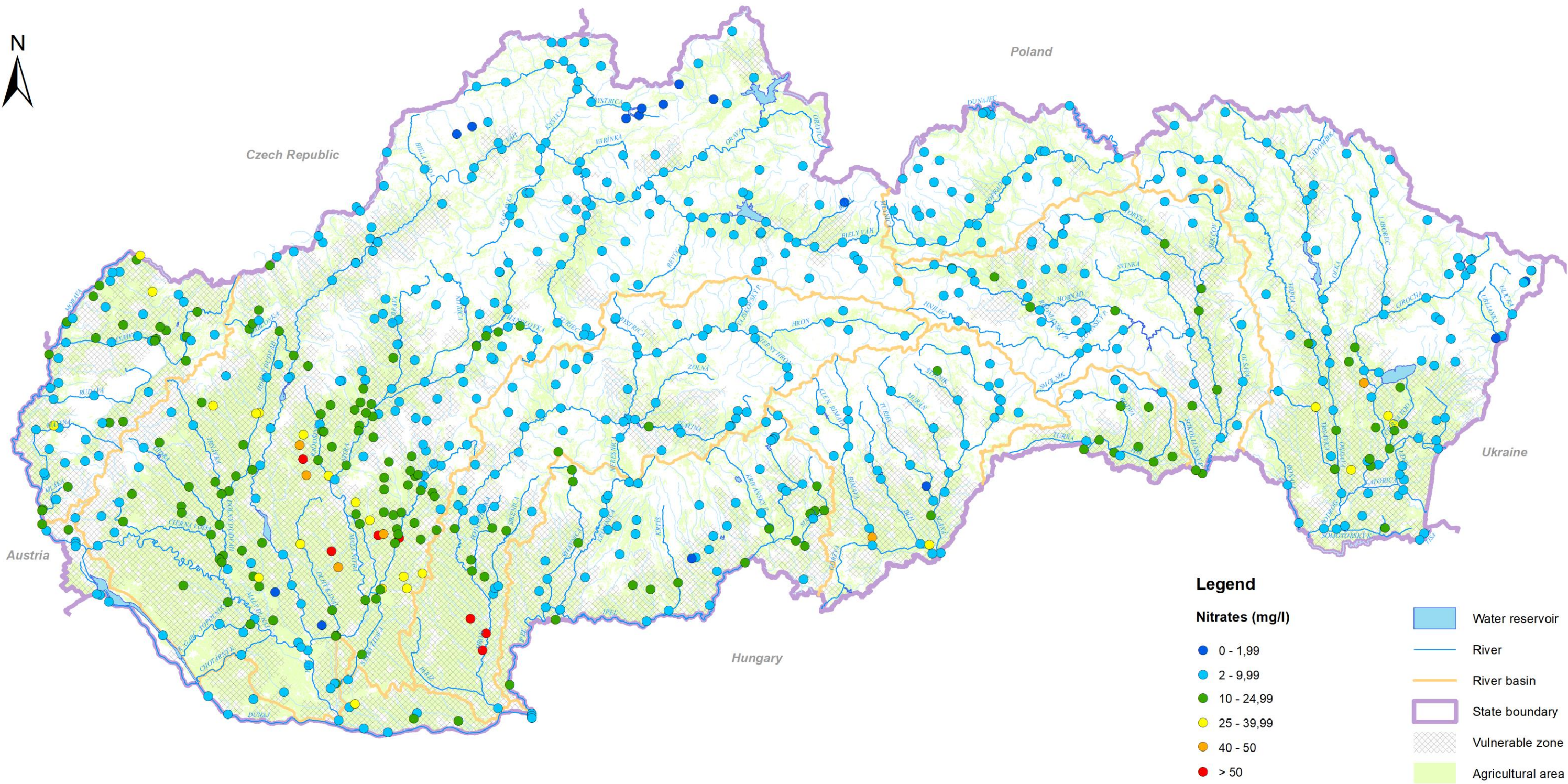
Surface water
Maximum nitrate concentrations (2016 - 2018)



Surface water
Average nitrate concentrations (2016 - 2018)



Surface water
Winter average nitrate concentrations (2016 - 2018)

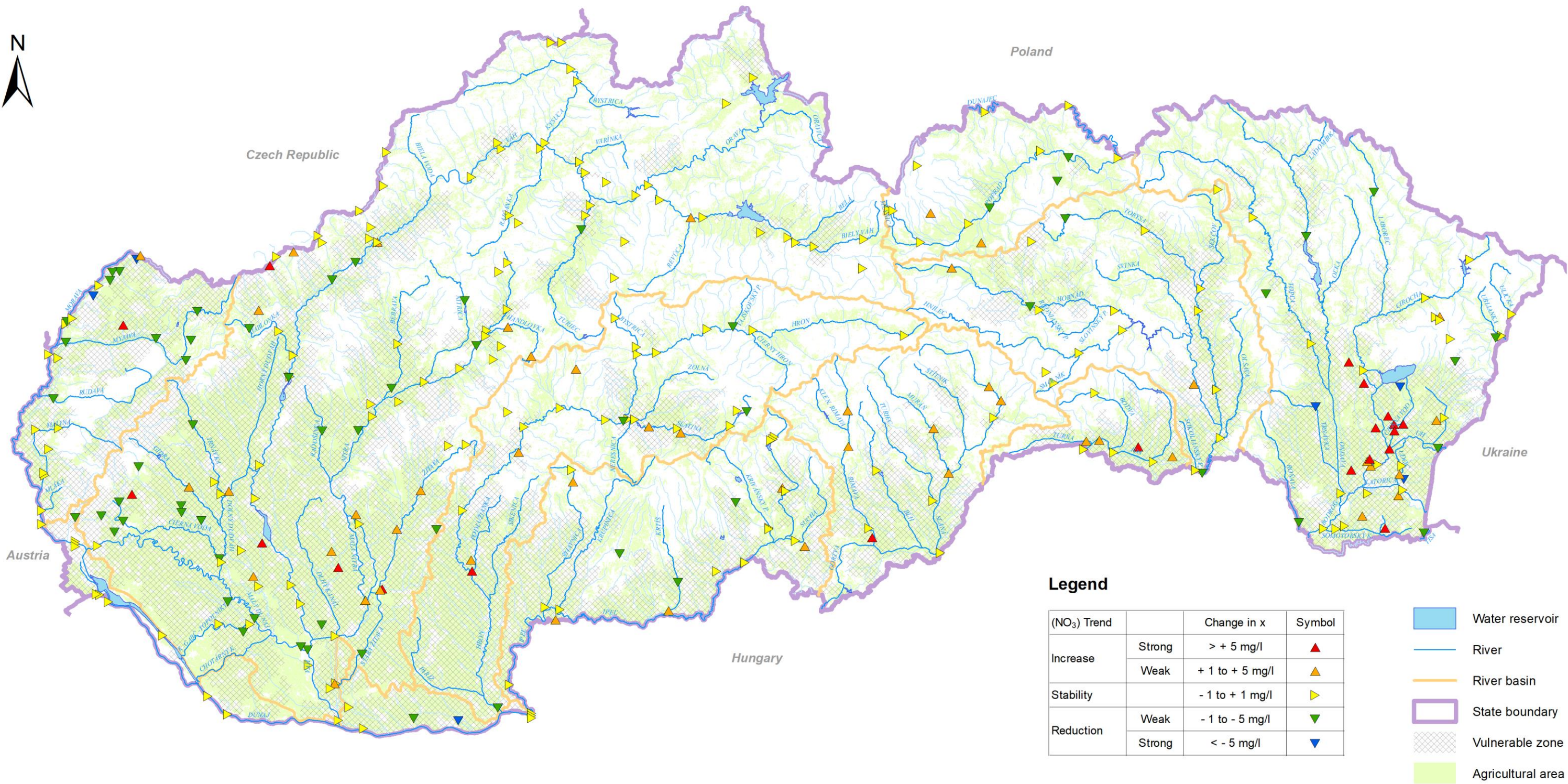


Trend in maximum nitrate concentrations between periods (2012 - 2014 and 2016 - 2018)



Surface water

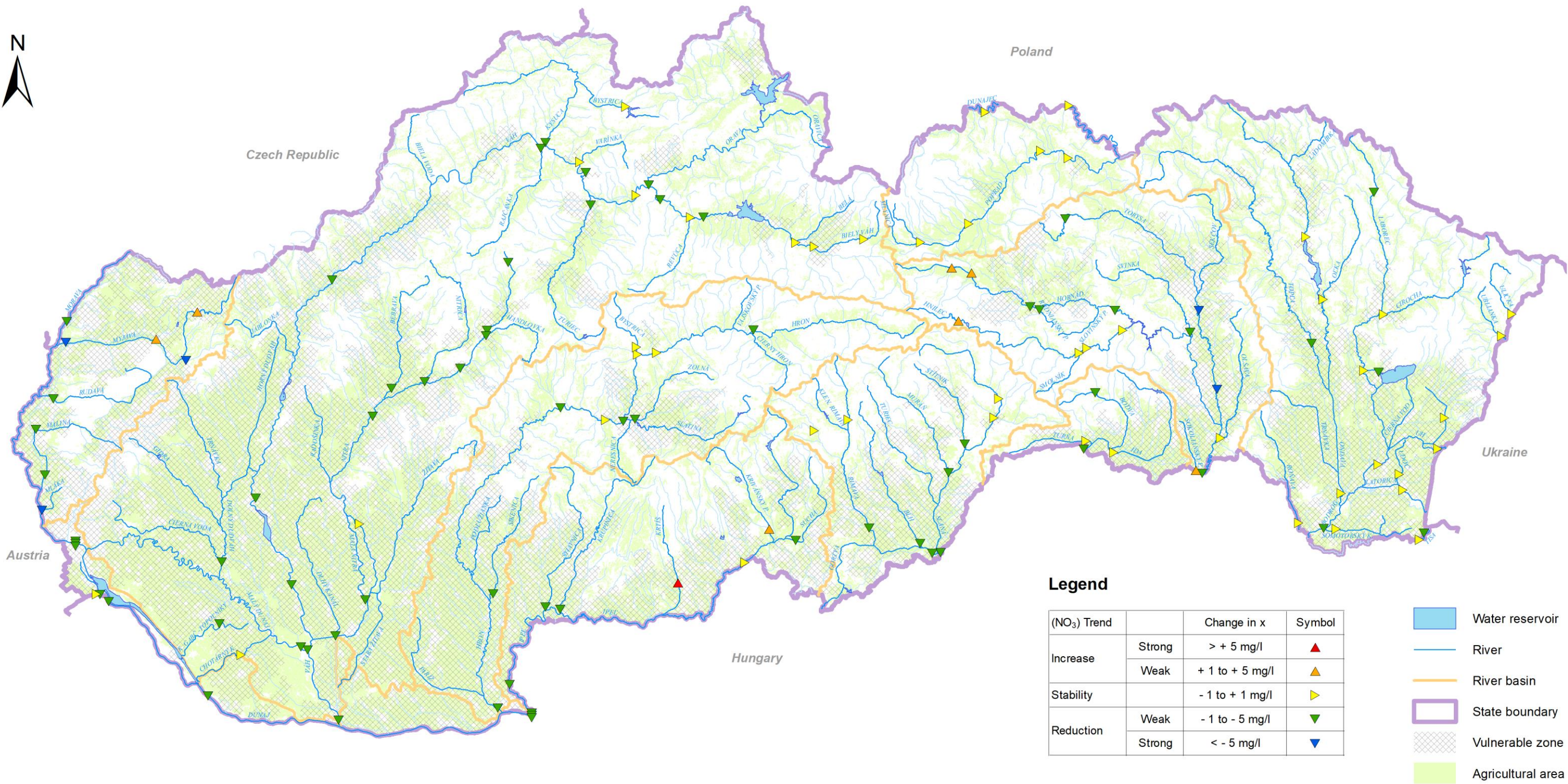
Trend in average nitrate concentrations between periods (2012 - 2014 and 2016 - 2018)



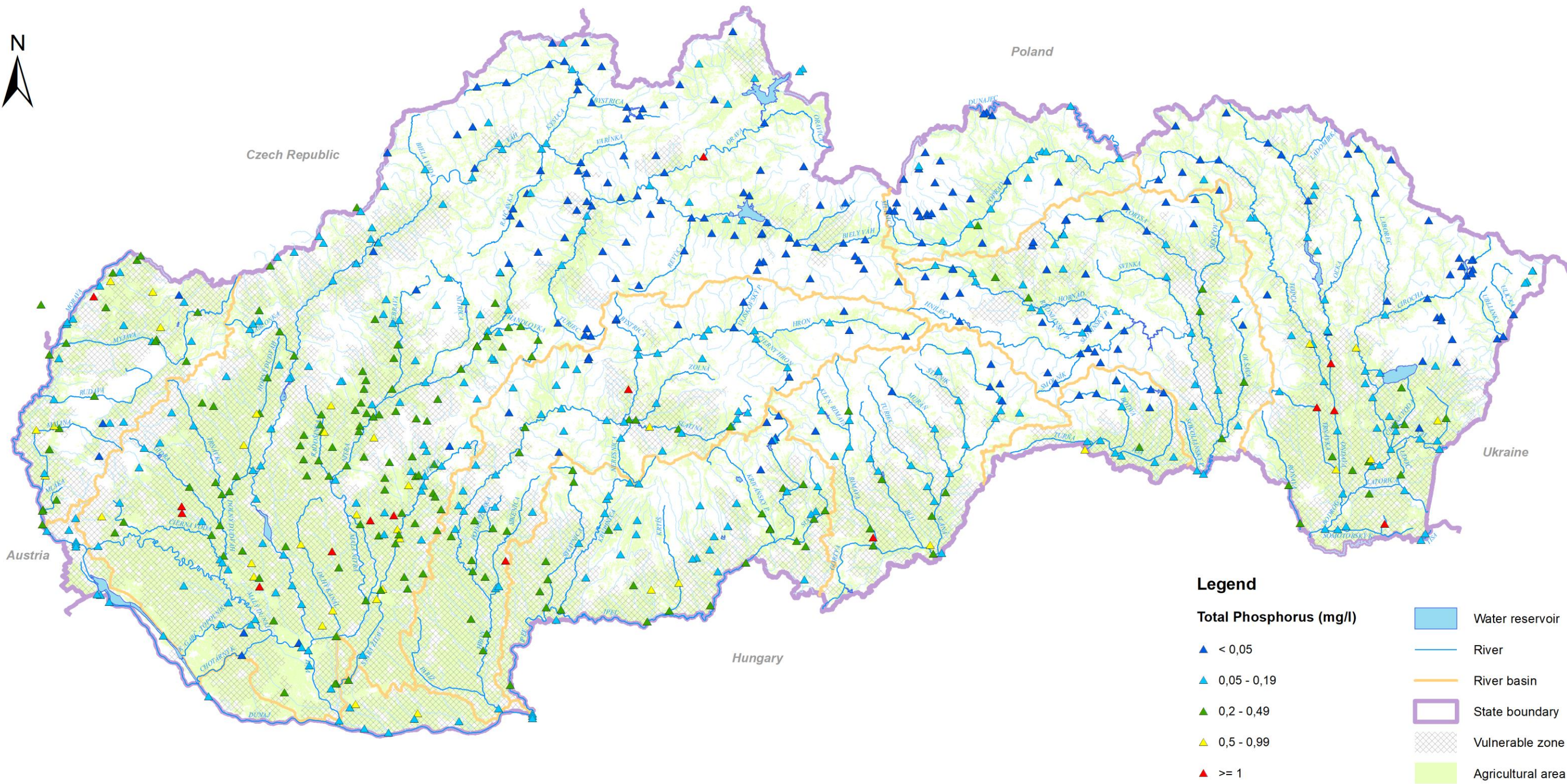
Trend in winter average nitrate concentrations between periods (2012 - 2014 and 2016 - 2018)



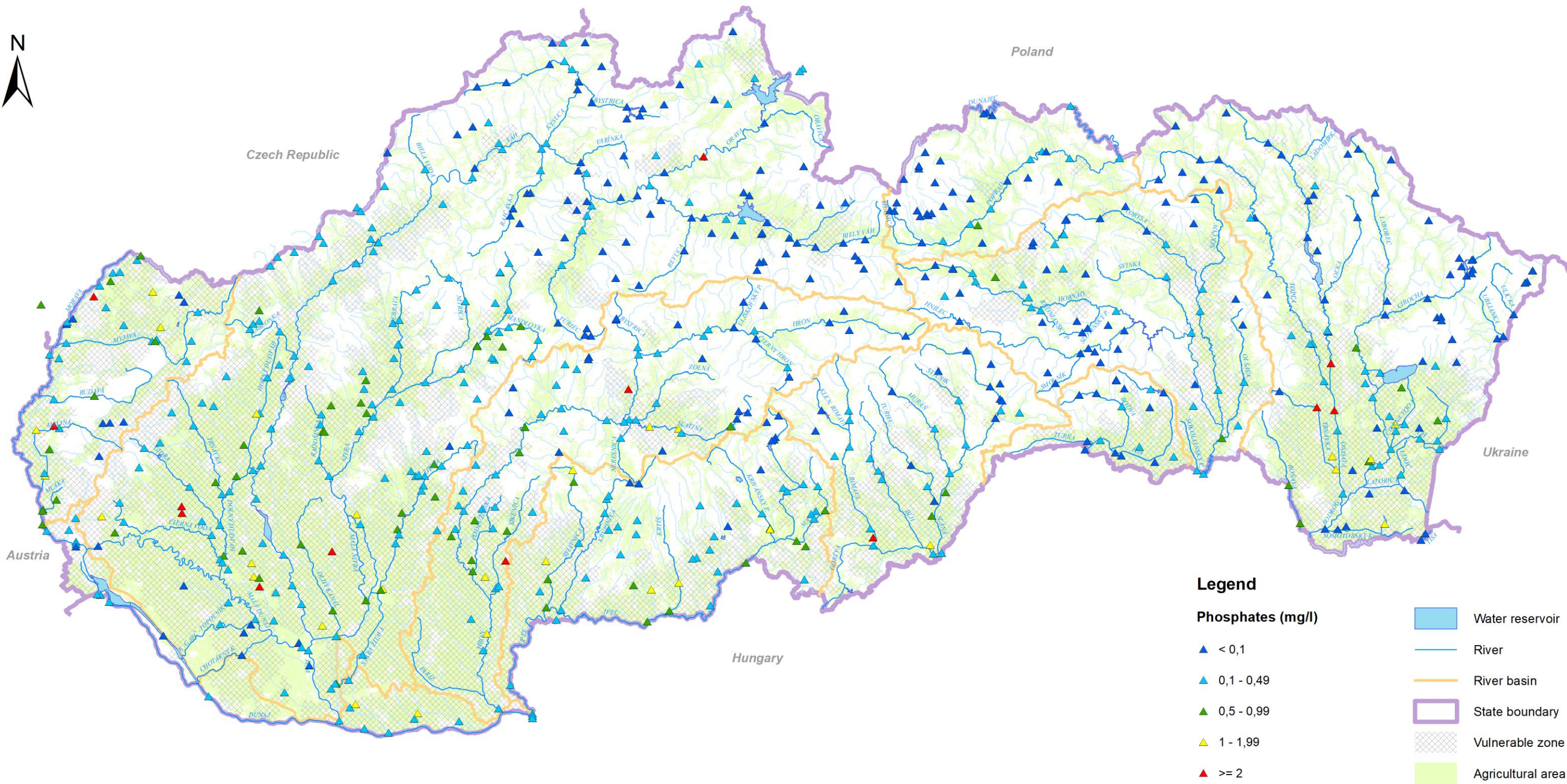
Surface water
Trend in average nitrate concentrations between periods (2000 - 2003 and 2016 - 2018)



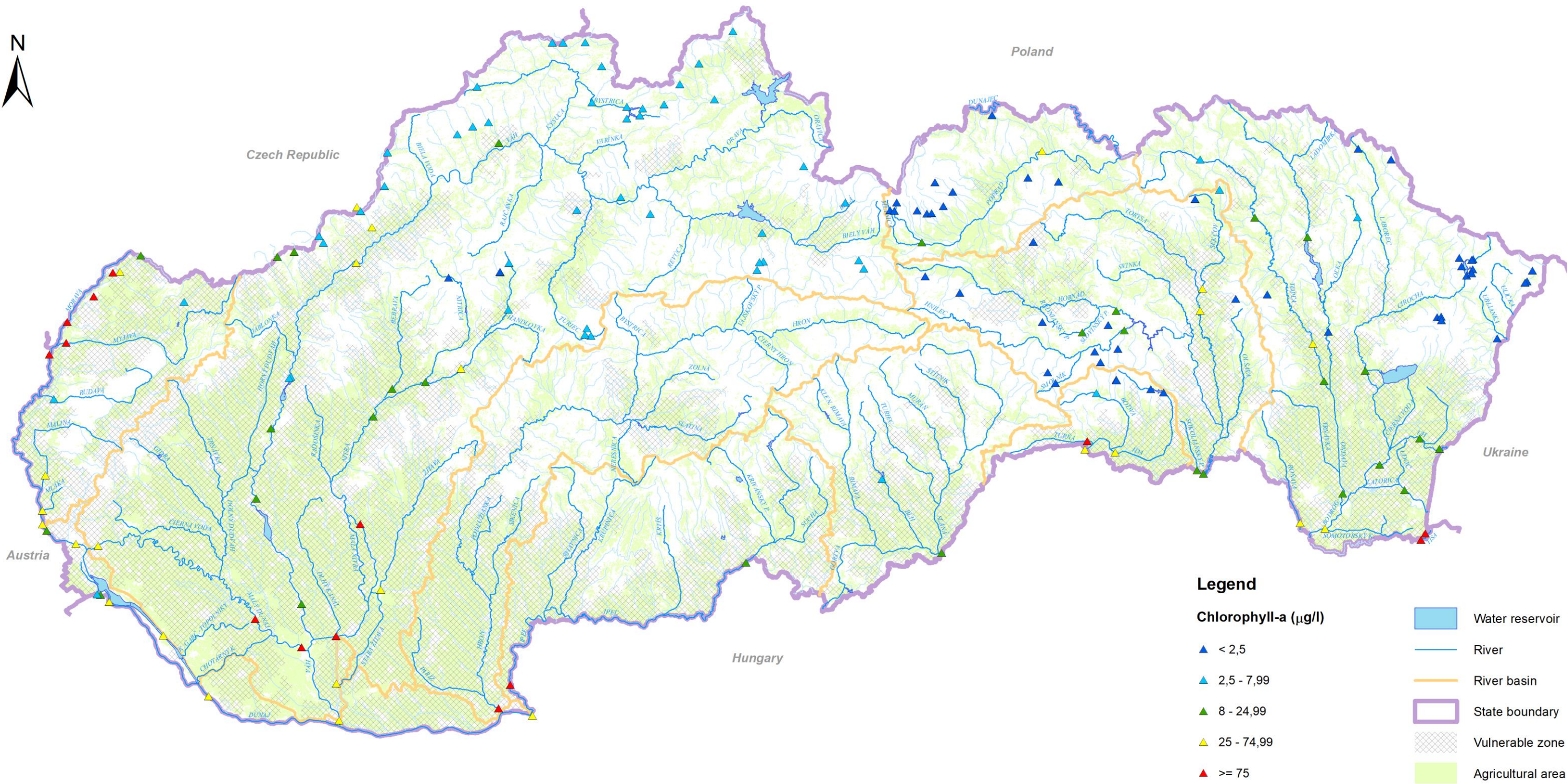
Surface water
Total Phosphorus - Summer average concentrations (2016 - 2018)



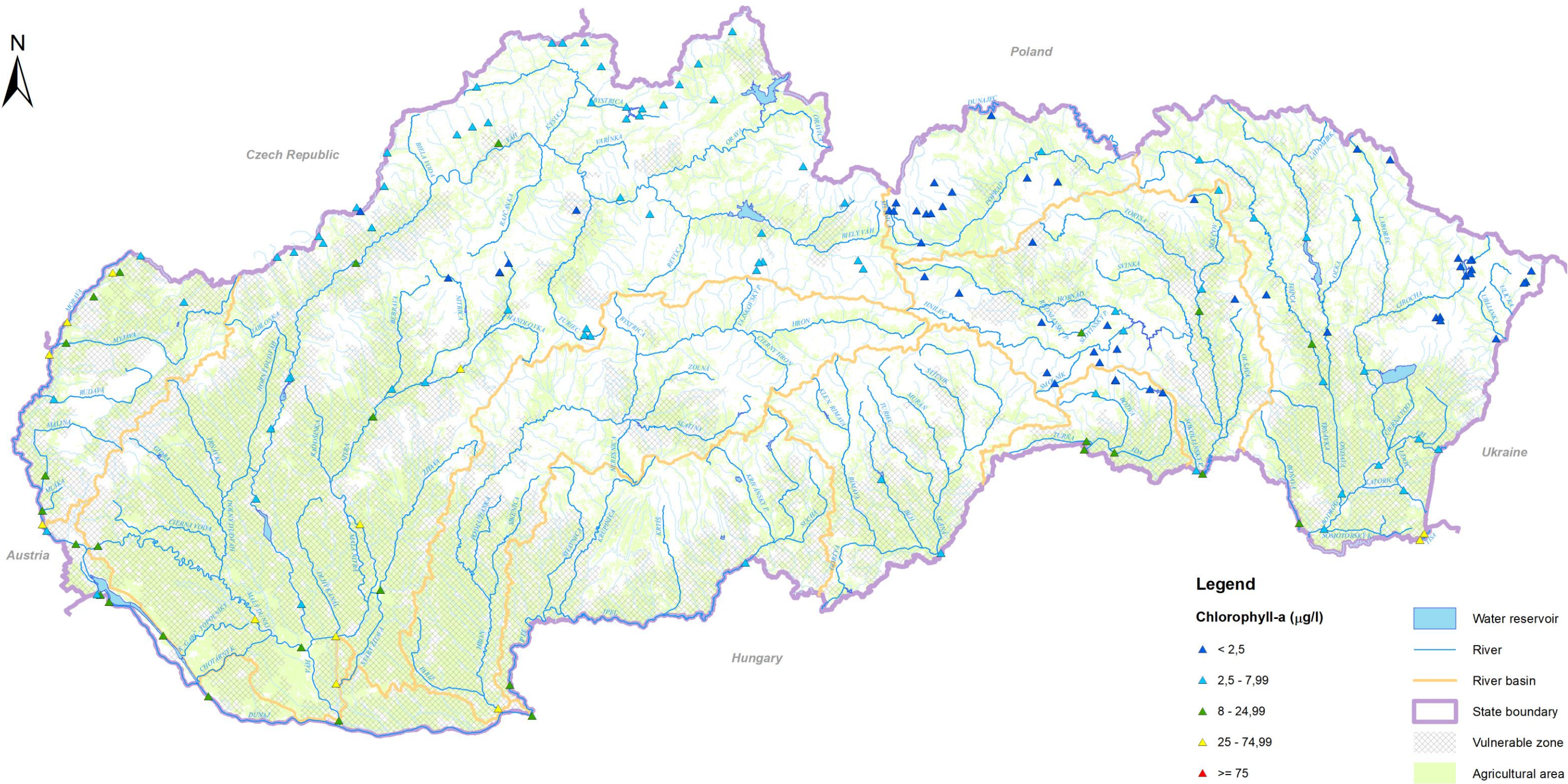
Surface water
Phosphates - Summer average concentrations (2016 - 2018)



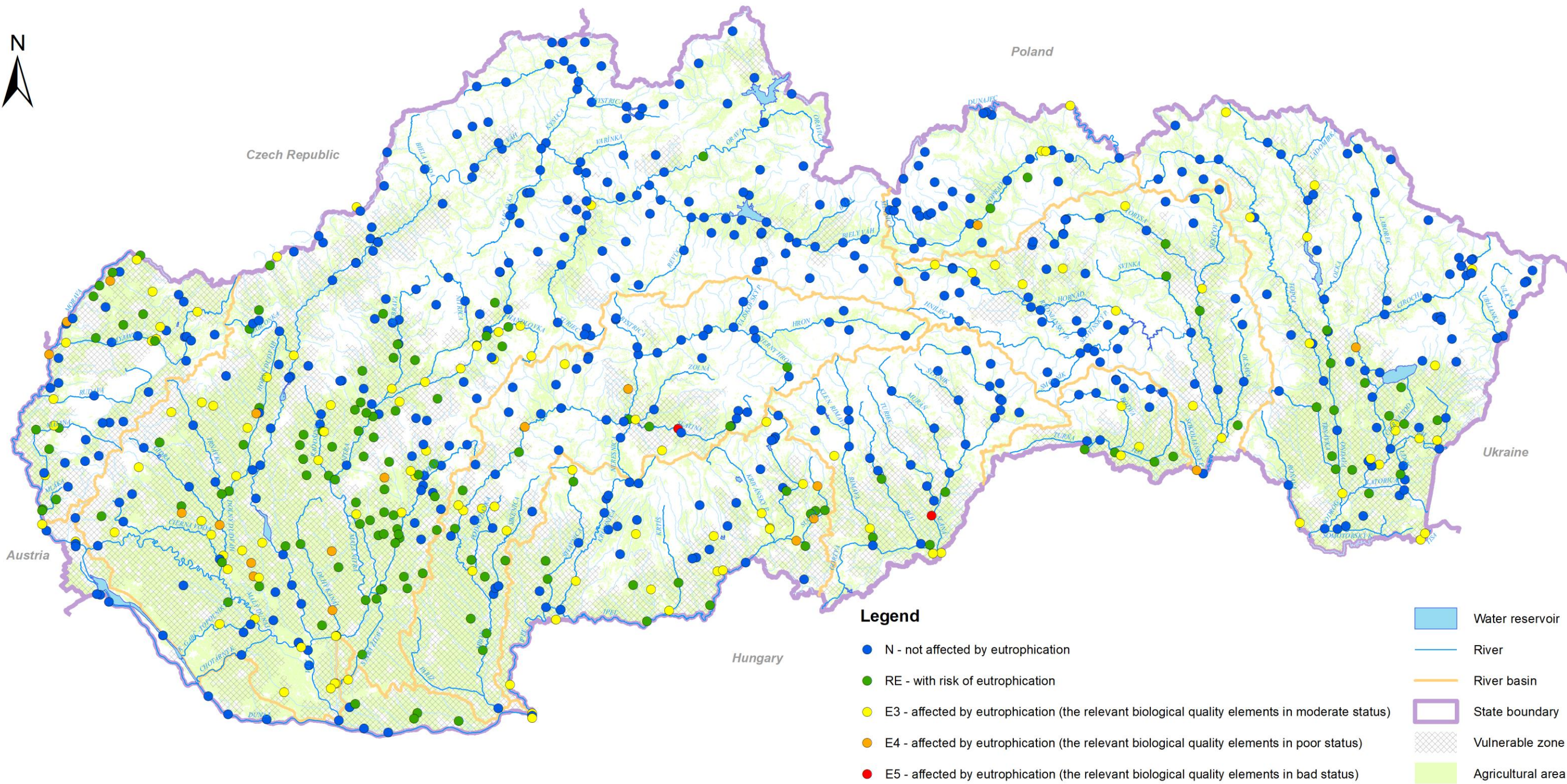
Surface water
Chlorophyll-a - Summer maximum concentrations (2016 - 2018)



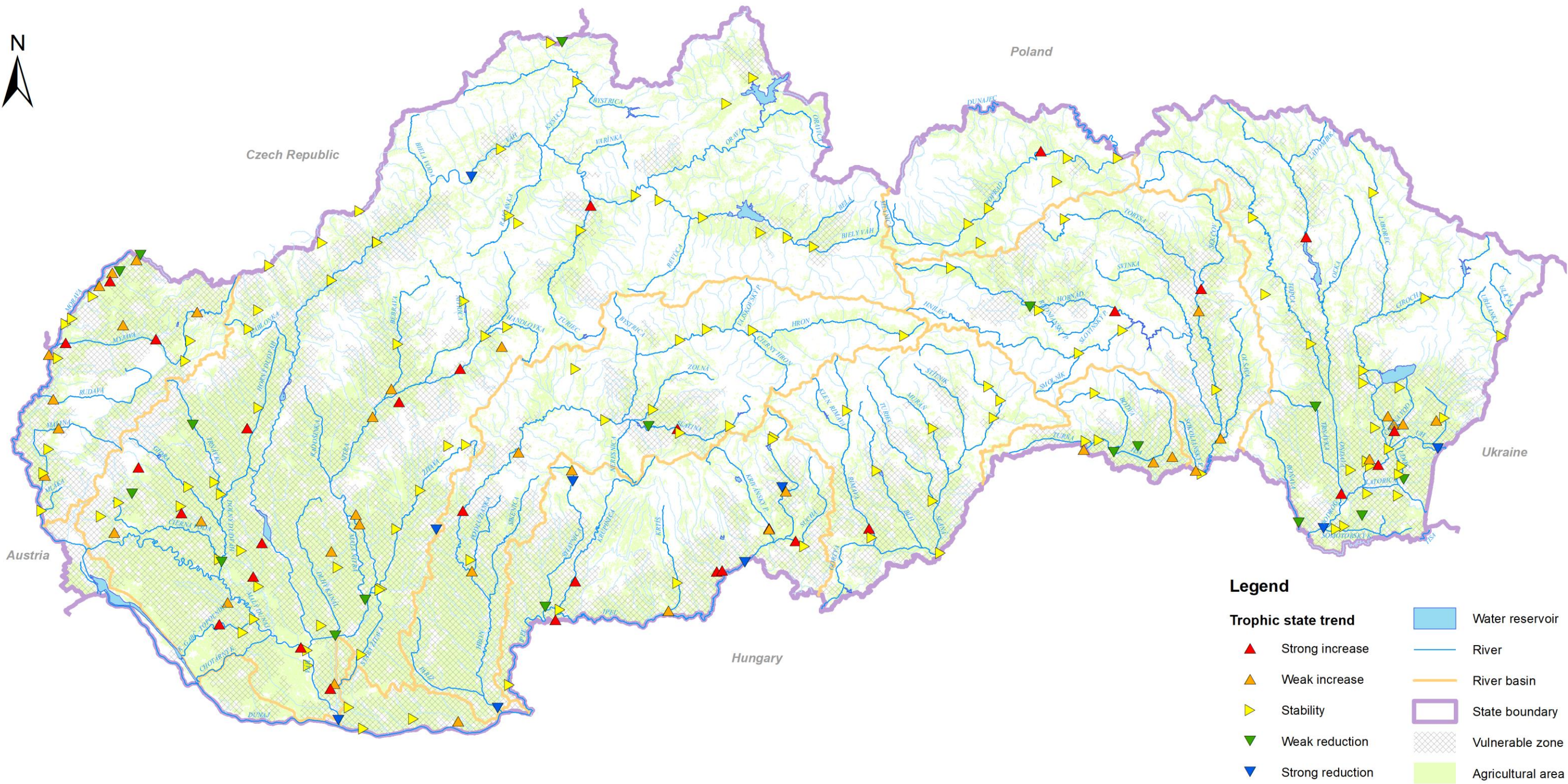
Surface water
Chlorophyll-a - Summer average concentrations (2016 - 2018)



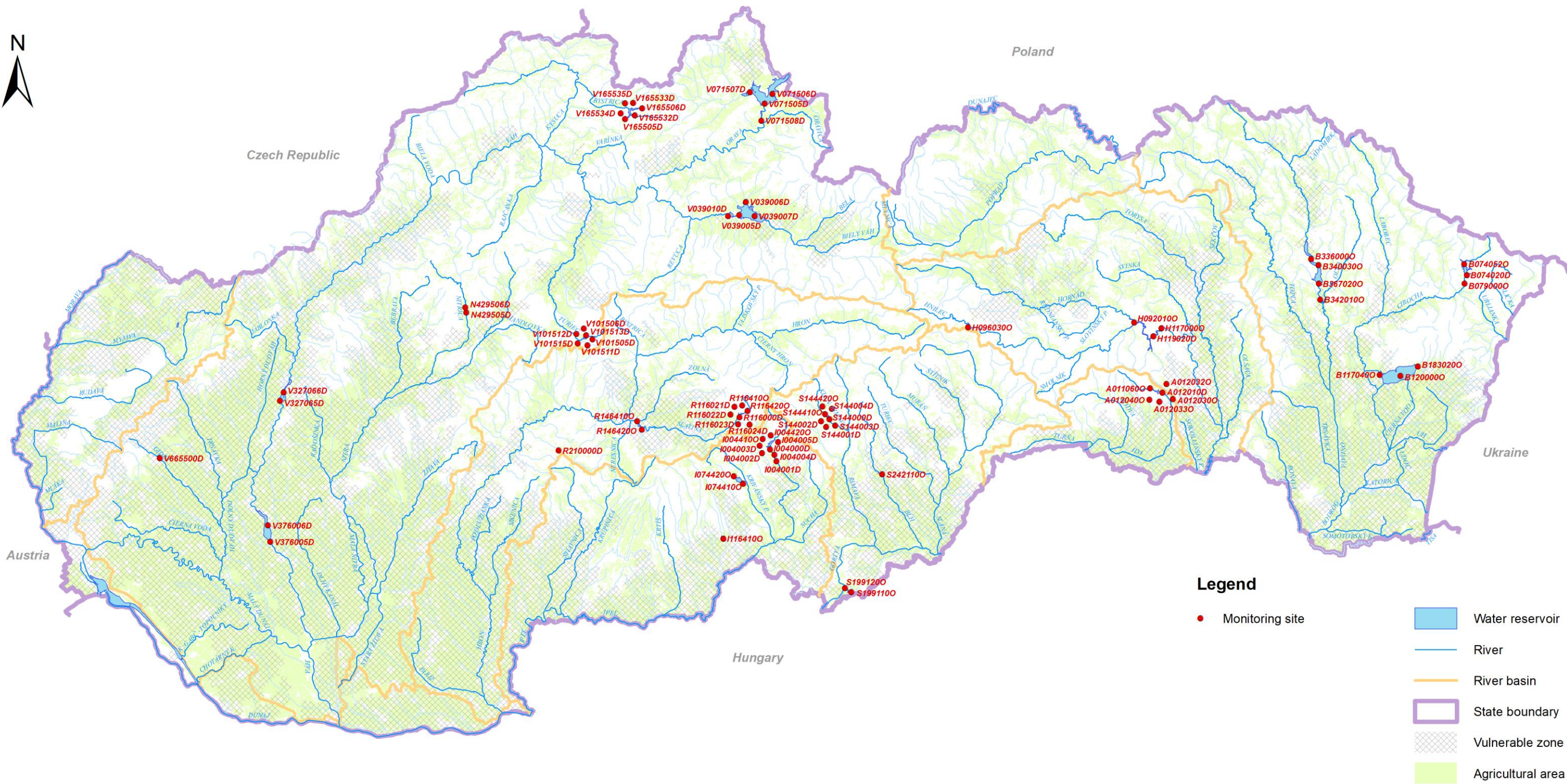
Surface water - rivers
Trophic state (2016 - 2018) - Slovak methodology



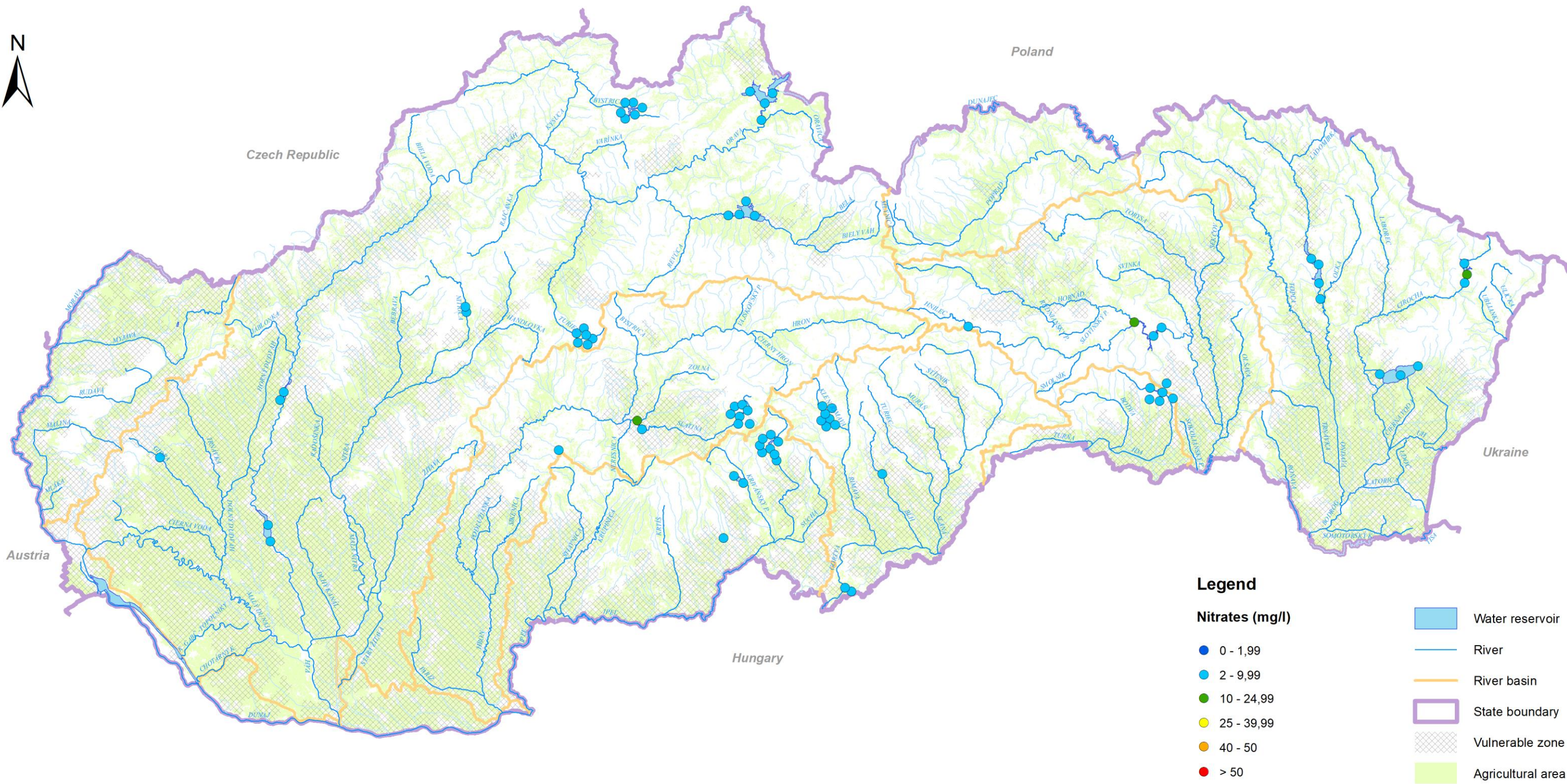
Surface water - rivers
Trend in trophic state between periods (2012 - 2014 and 2016 - 2018) - Slovak methodology



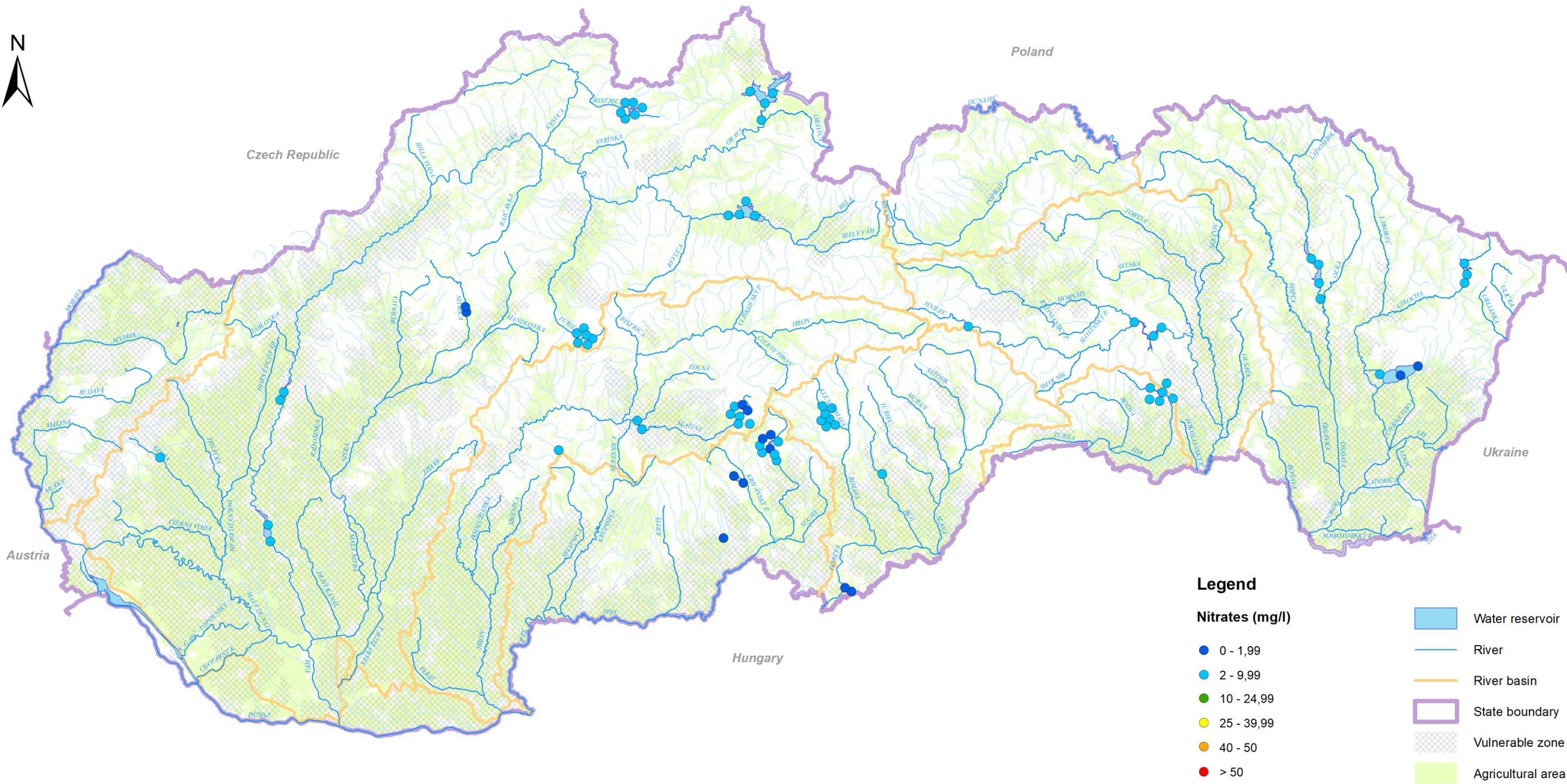
Water reservoirs
Monitoring sites (2016 - 2018)



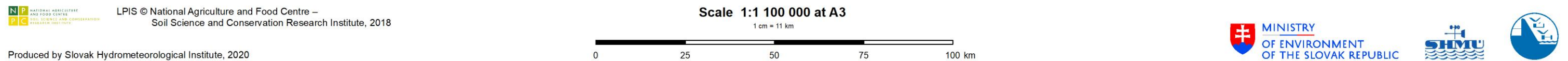
Water reservoirs
Maximum nitrate concentrations (2016 - 2018)



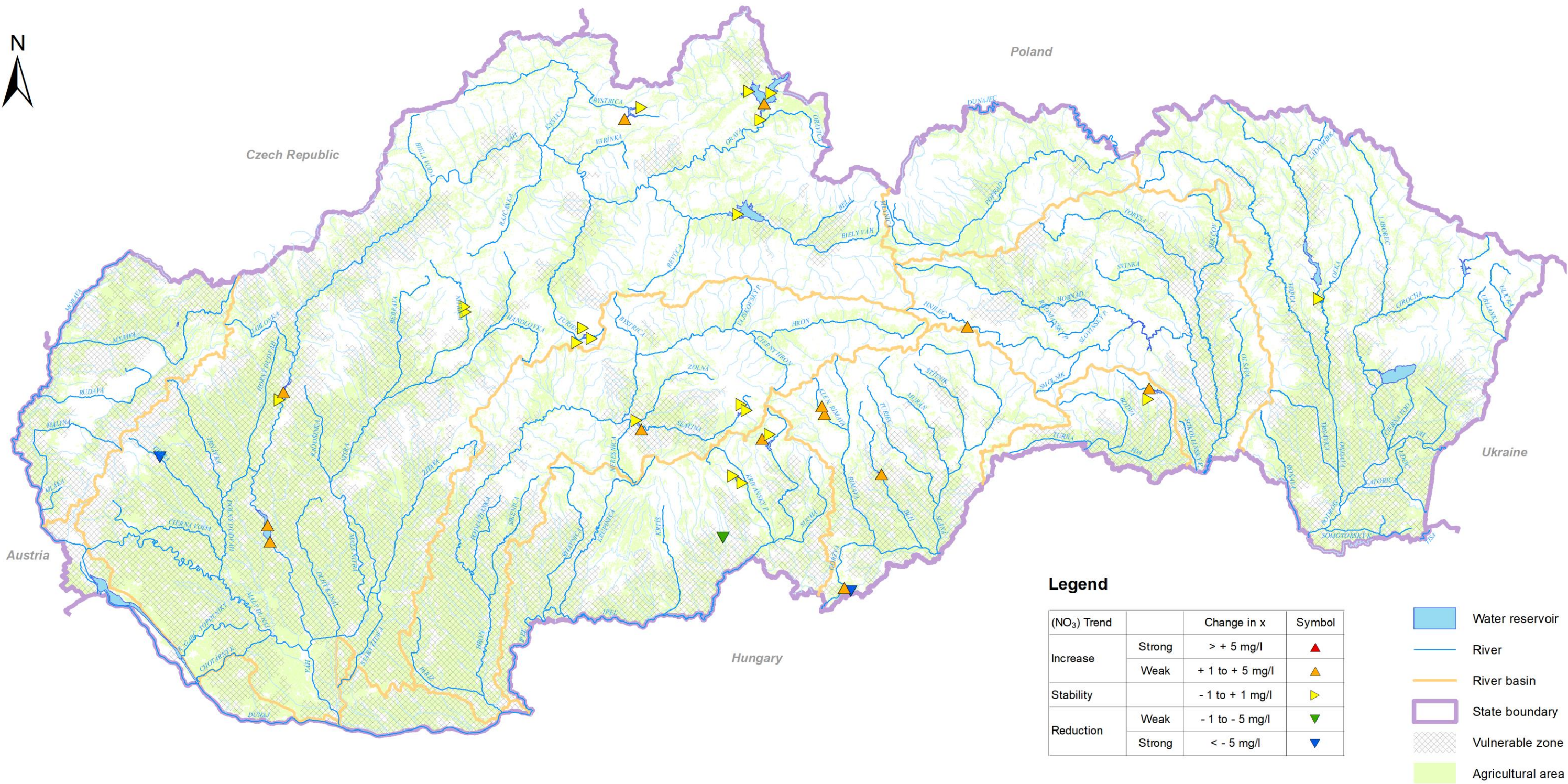
Water reservoirs
Average nitrate concentrations (2016 - 2018)



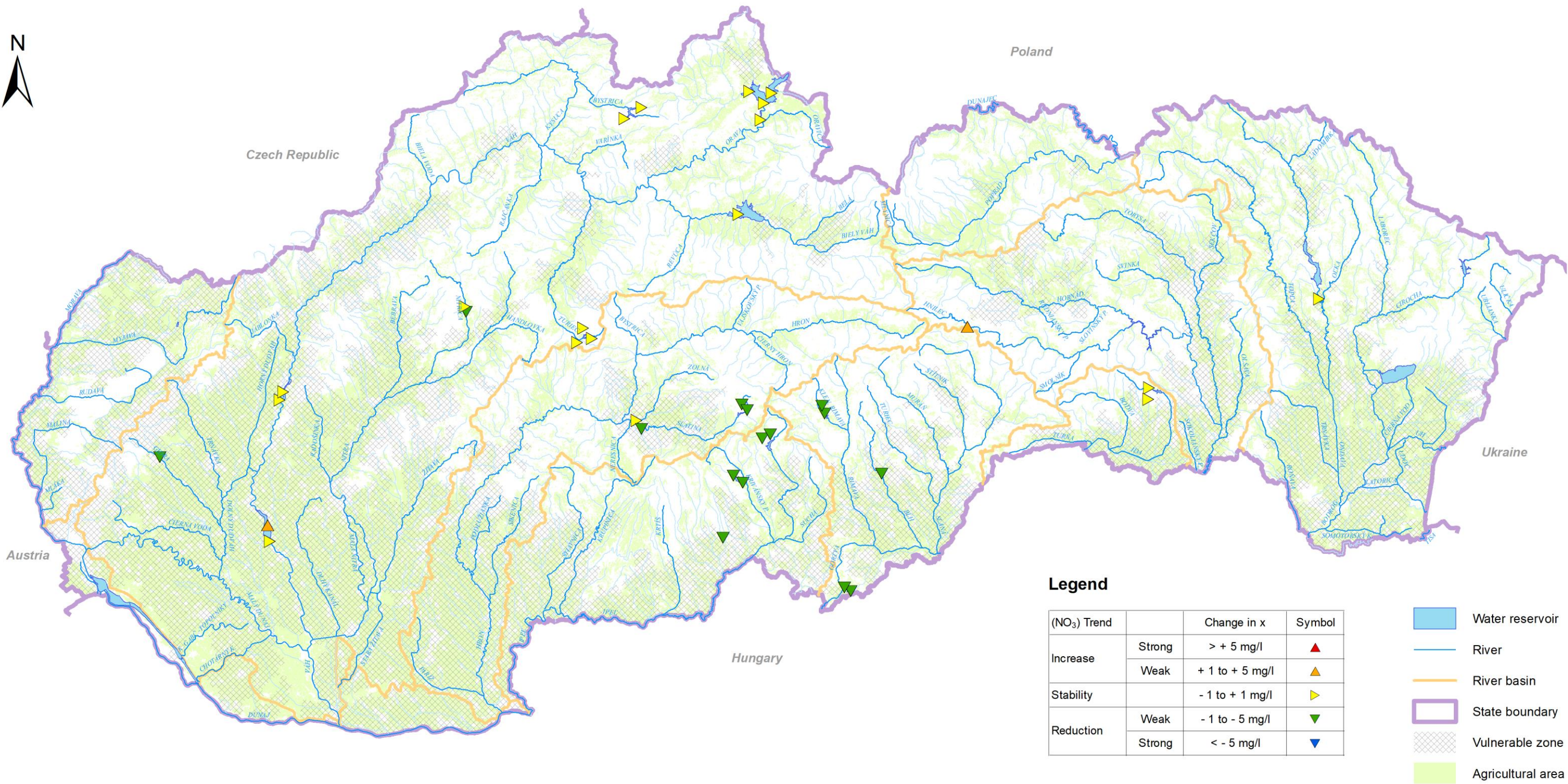
Winter average nitrate concentrations (2016 - 2018)



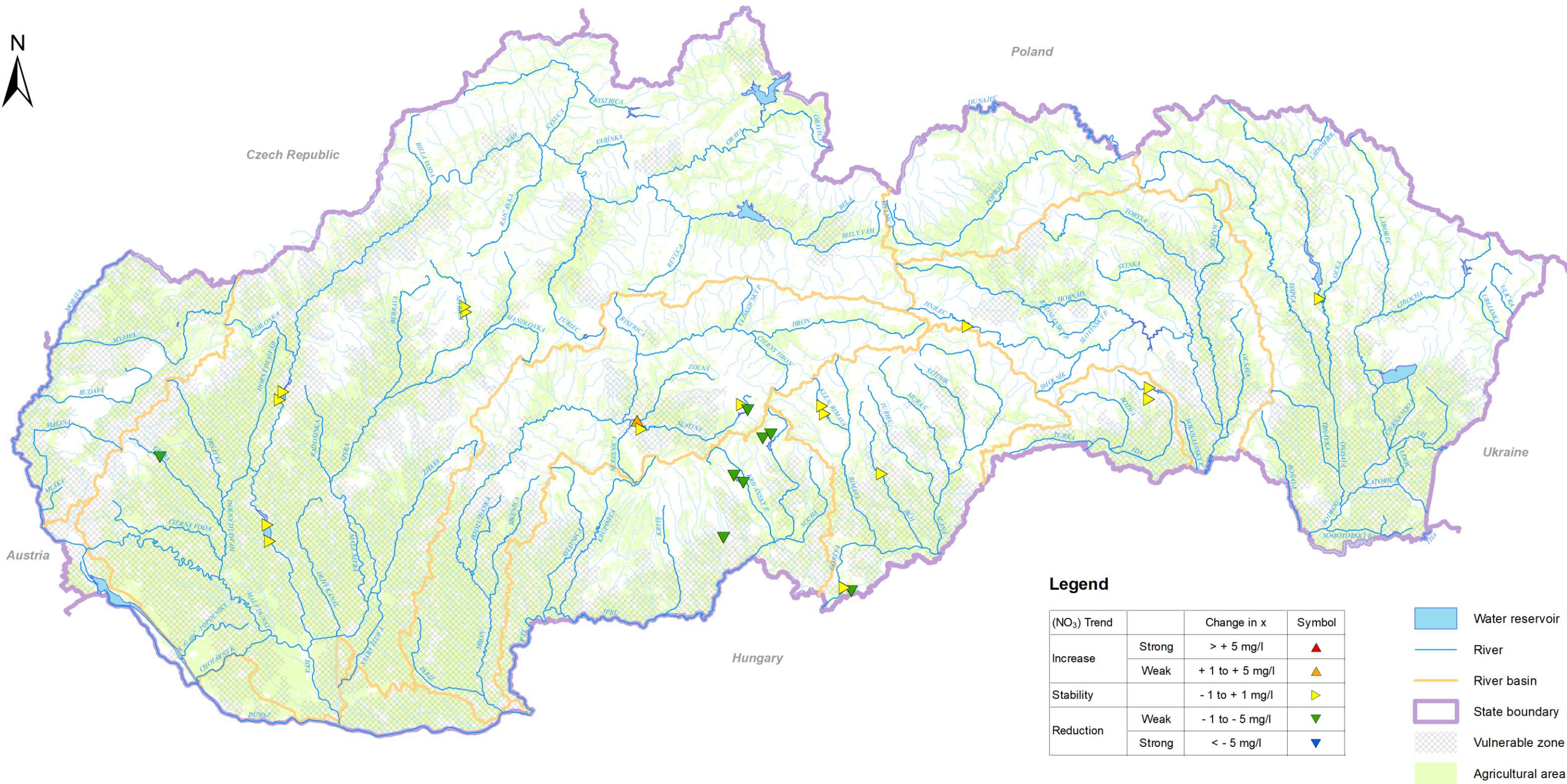
Water reservoirs
Trend in maximum nitrate concentrations between periods (2012 - 2014 and 2016 - 2018)



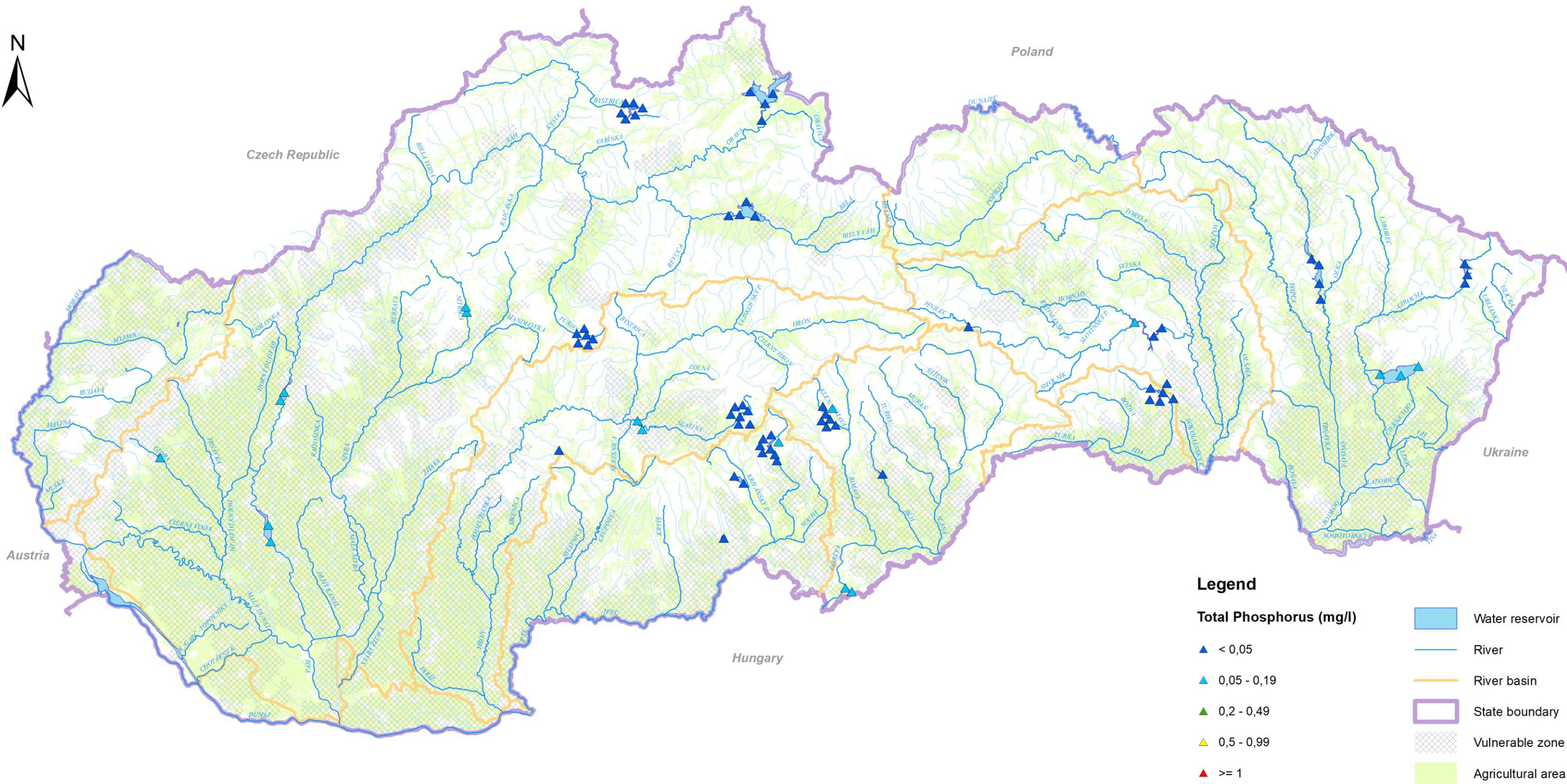
Water reservoirs
Trend in average nitrate concentrations between periods (2012 - 2014 and 2016 - 2018)



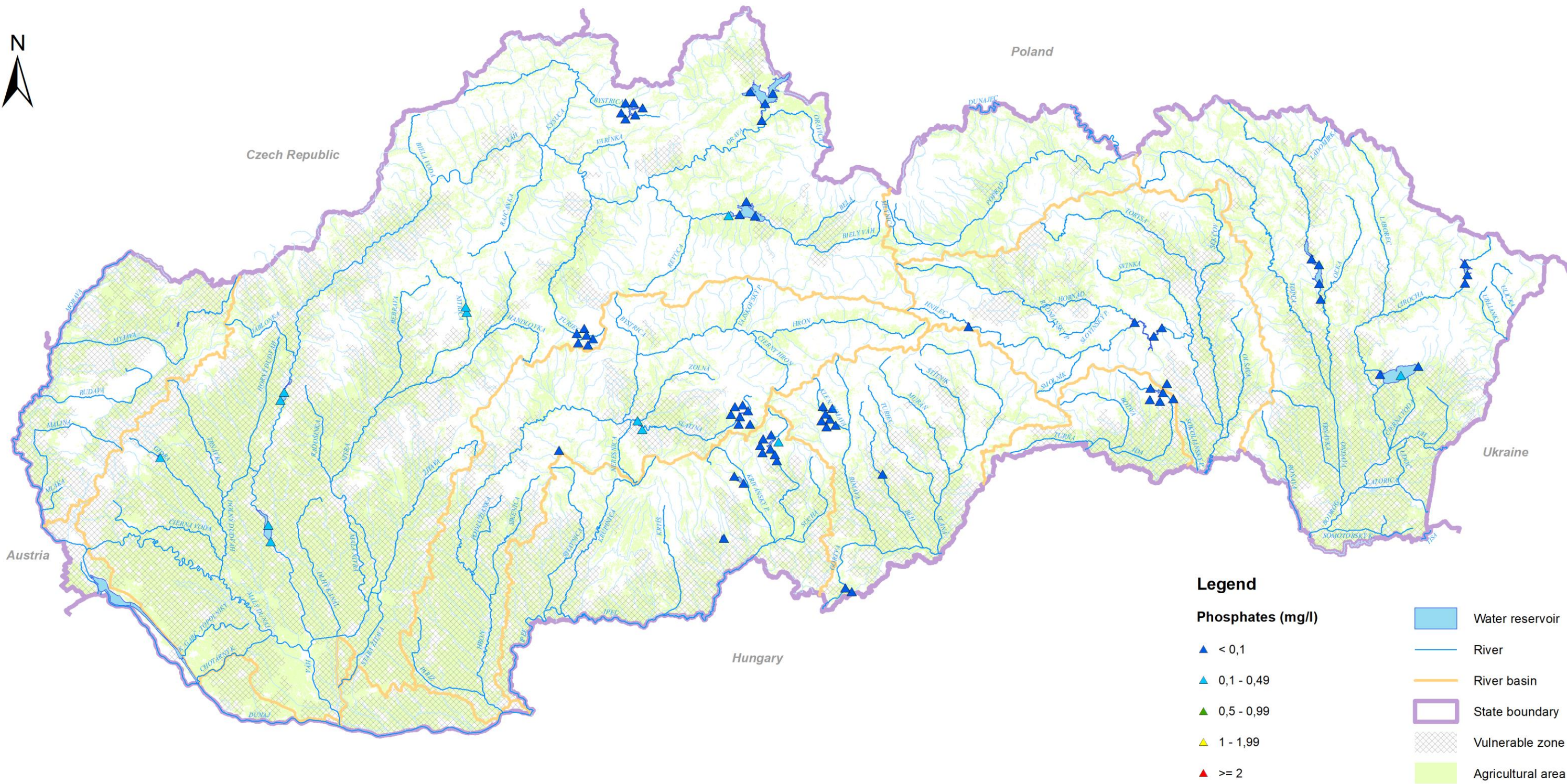
Water reservoirs
Trend in winter average nitrate concentrations between periods (2012 - 2014 and 2016 - 2018)



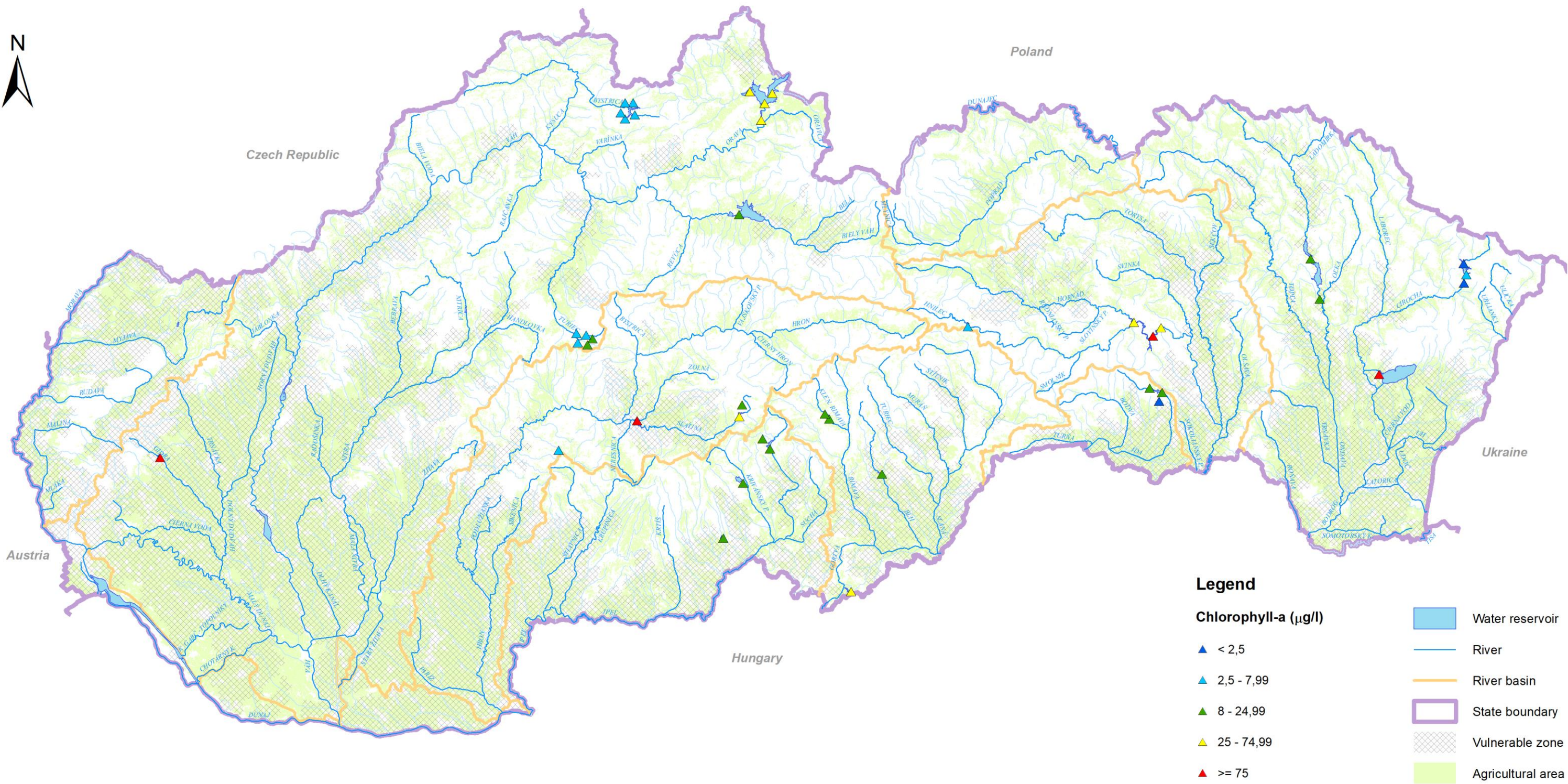
Water reservoirs
Total Phosphorus - Summer average concentrations (2016 - 2018)



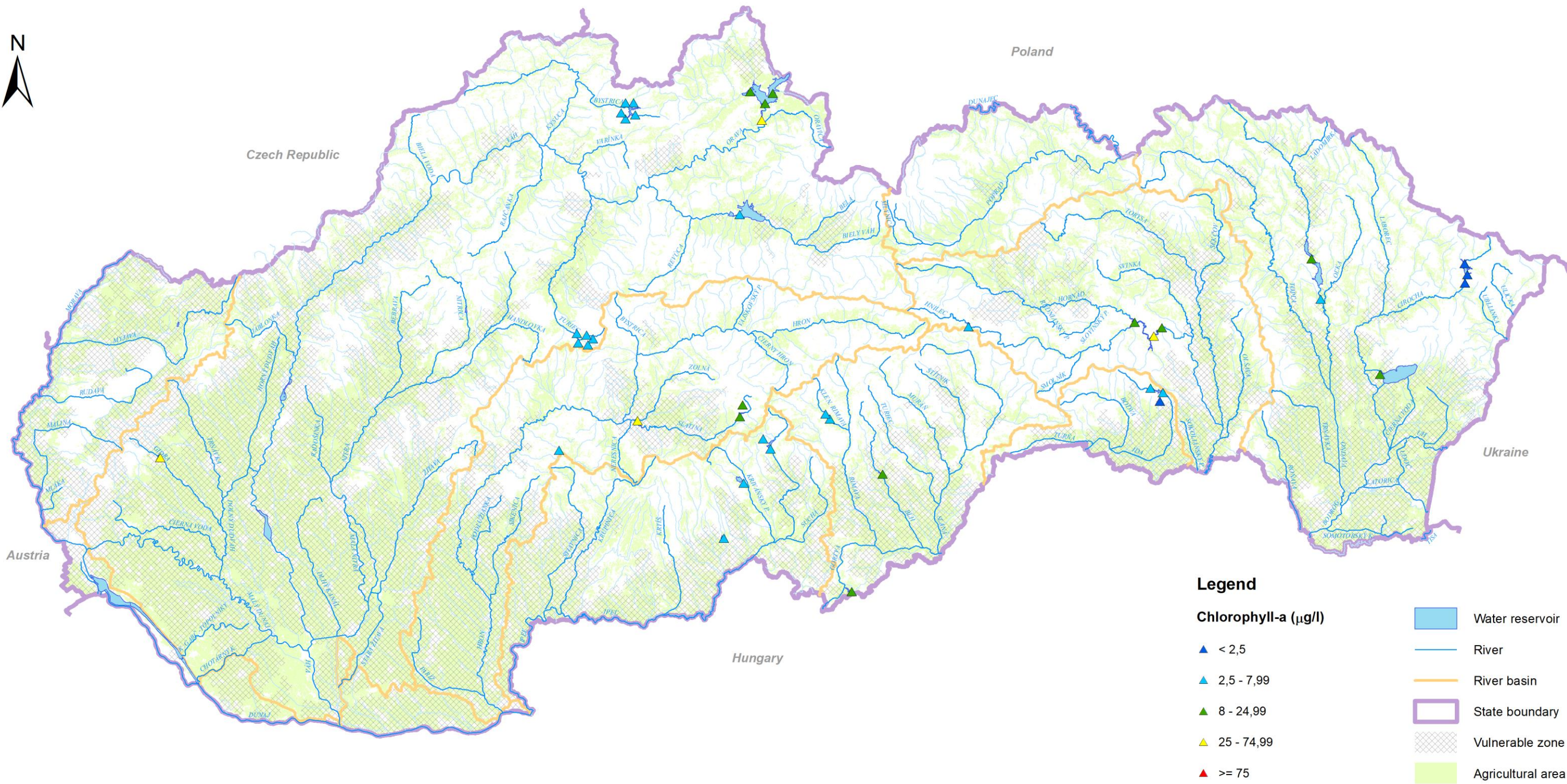
Water reservoirs
Phosphates - Summer average concentrations (2016 - 2018)



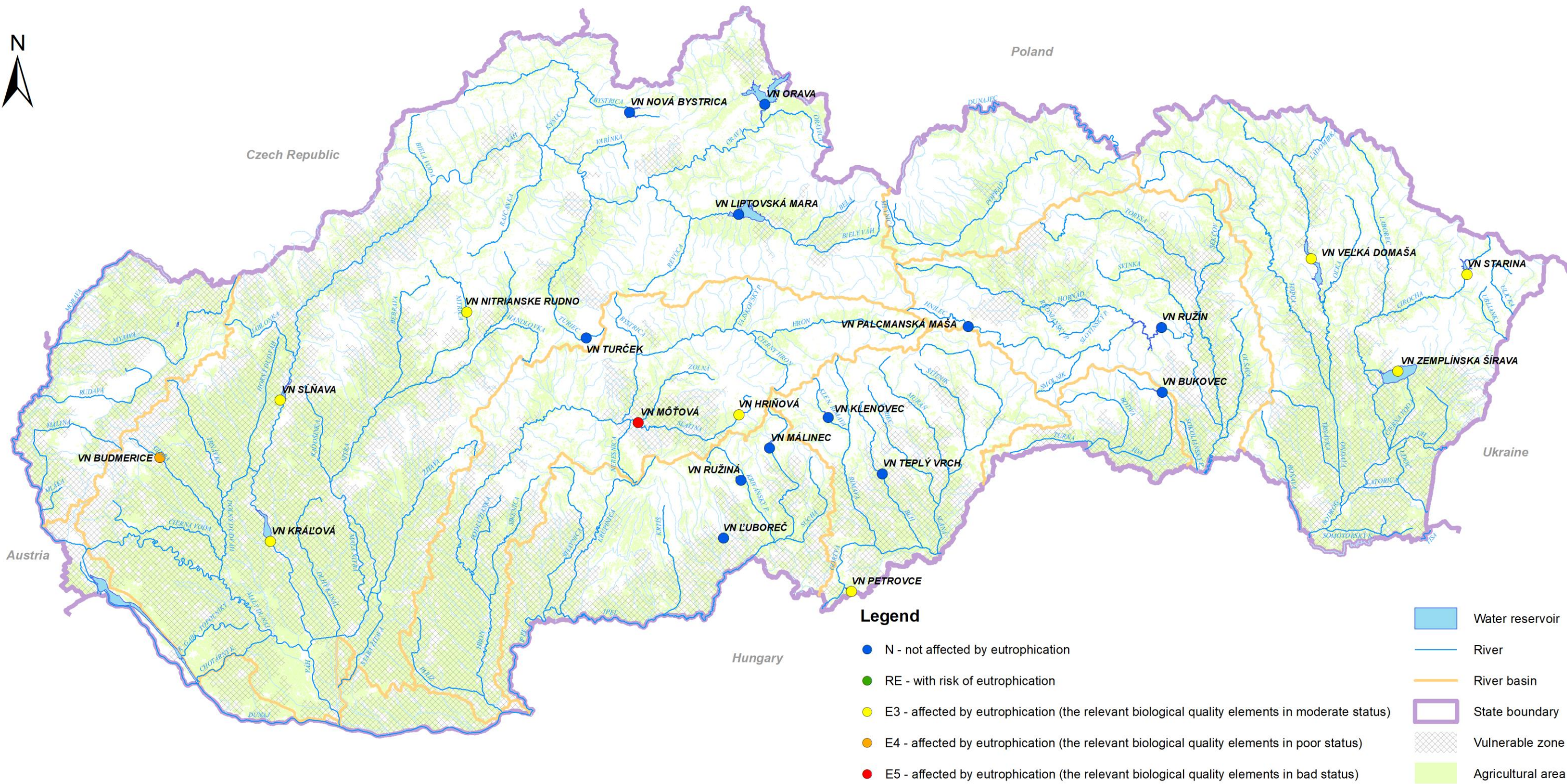
Water reservoirs
Chlorophyll-a - Summer maximum concentrations (2016 - 2018)



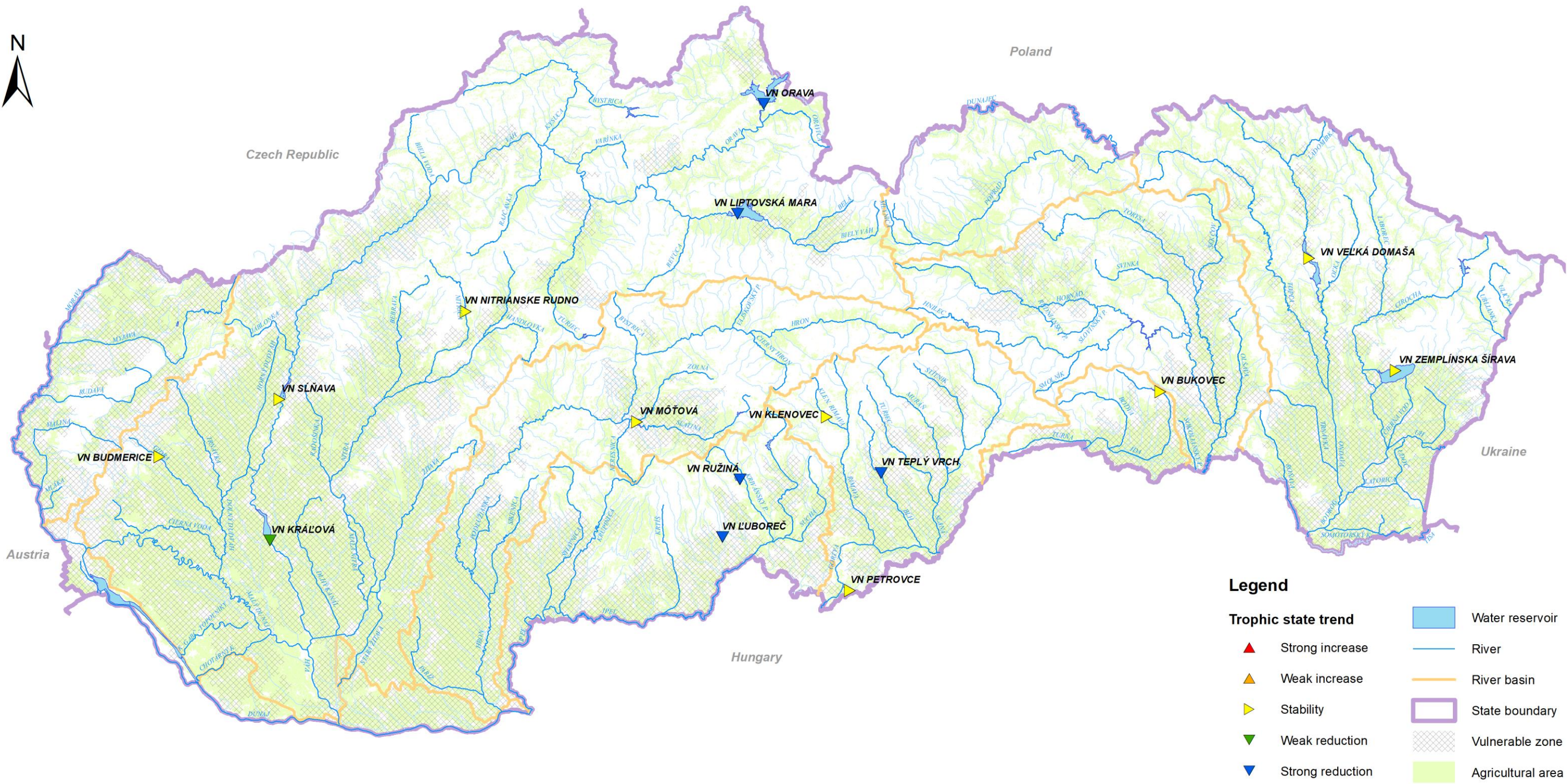
Water reservoirs
Chlorophyll-a - Summer average concentrations (2016 - 2018)



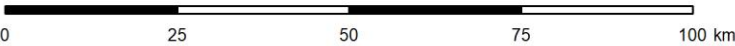
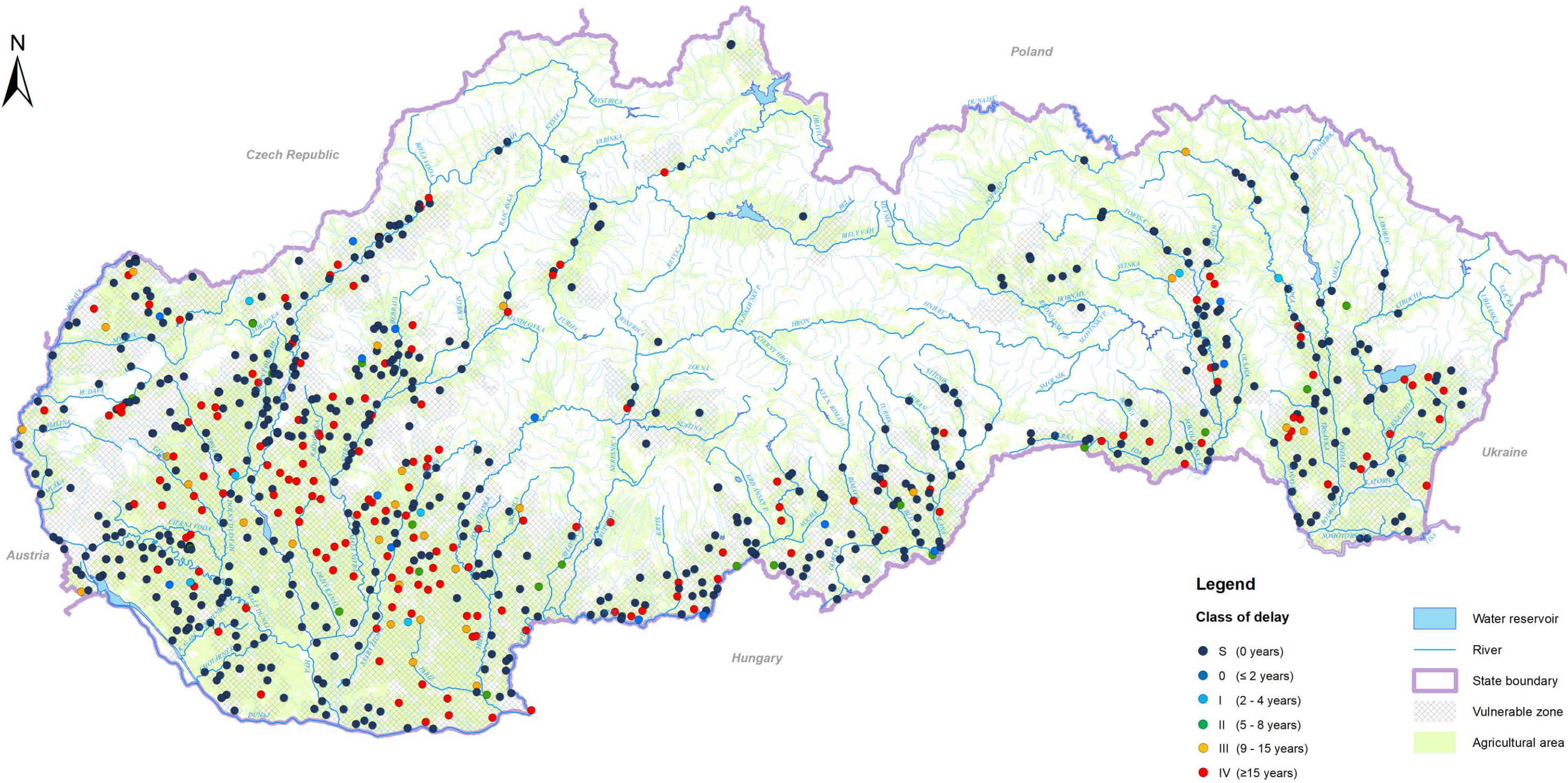
Water reservoirs
Trophic state (2016 - 2018) - Slovak methodology



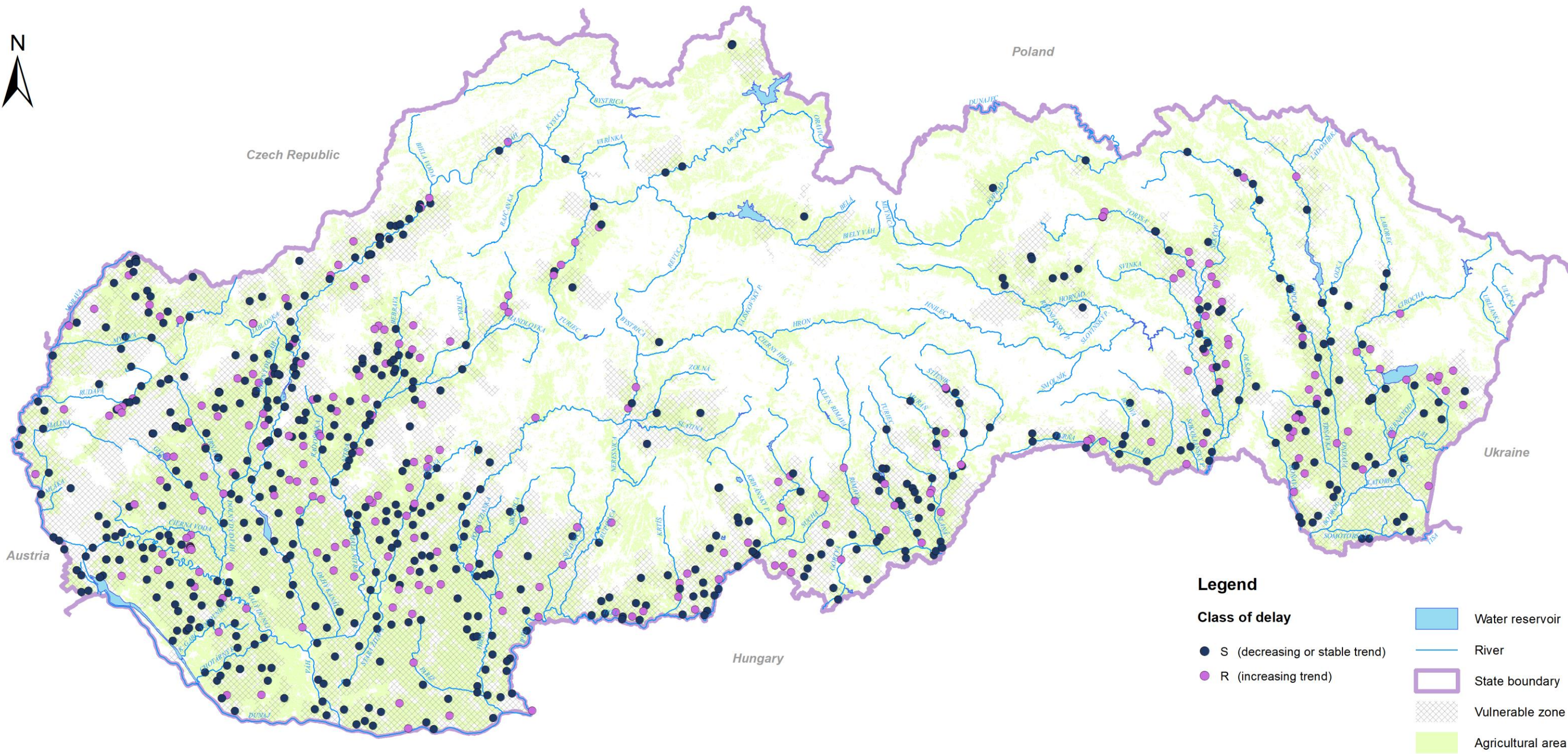
Water reservoirs
Trend in trophic state between periods (2012 - 2014 and 2016 - 2018) - Slovak methodology



Groundwater
Forecast of future nitrate concentrations evolution - Complete recovery (2019)



Groundwater
Forecast of future nitrate concentrations evolution - Stabilization (2019)



Surface water
Trend in nitrate-nitrogen concentrations in river sub-basins outlet sites (2007 – 2018)

