Supplementary for: Land cover changes in selected areas next to lagoons located on the southern coast of the Baltic Sea in 1984 – 2021
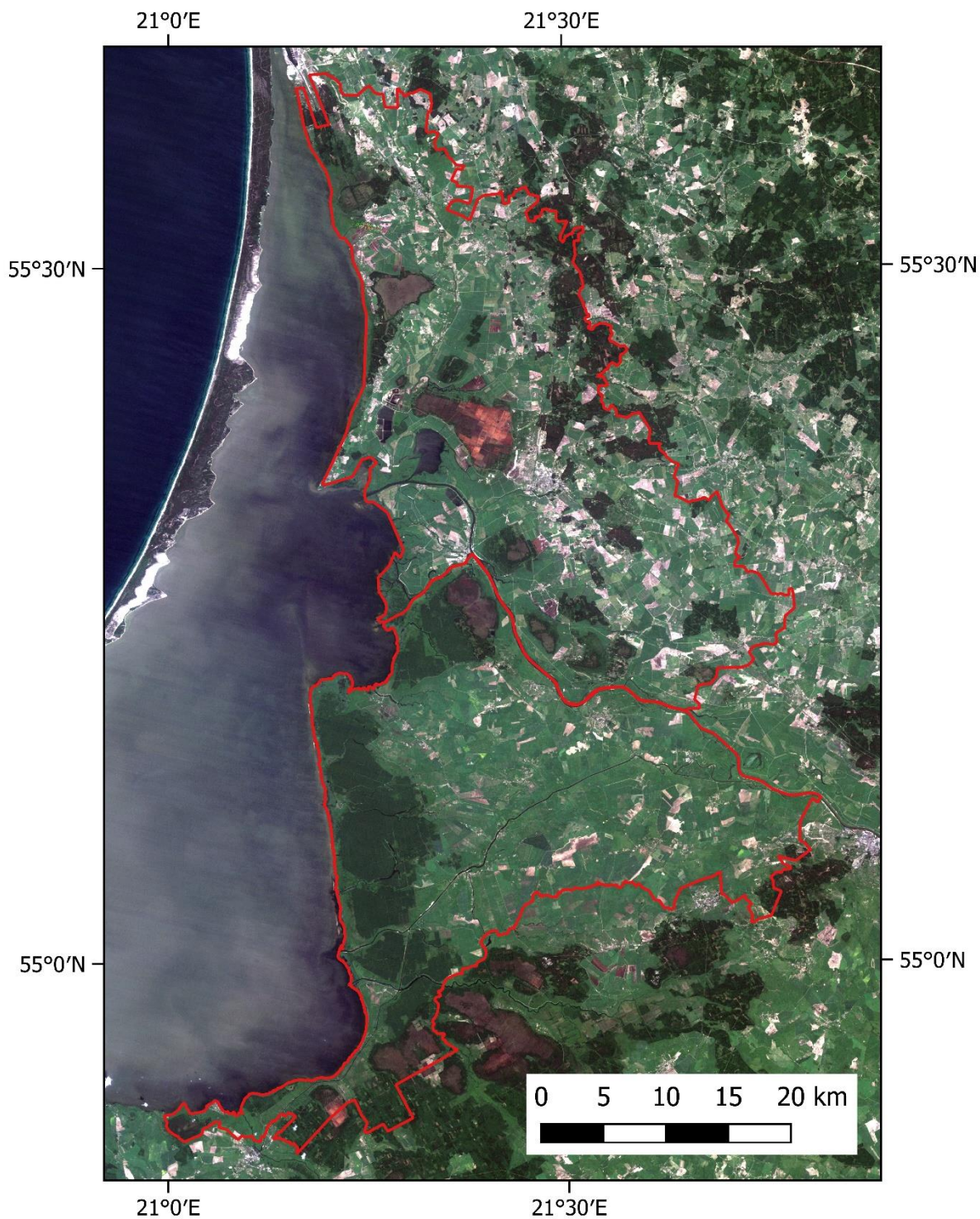

Figure S1. RGB composite based on Landsat 5 satellite images from 1984-06-04 used for classification of land cover in the location of the study area on southern coast of the Baltic Sea next to the Curonian Lagoon. (A1 - 1984-06-04, A2-2021-09-09), the Vistula Lagoon (B1 - 1984-11-18, B2-2021-09-09) and the Szczecin Lagoon (C1-1984-11-14, C2-2021-05-31)
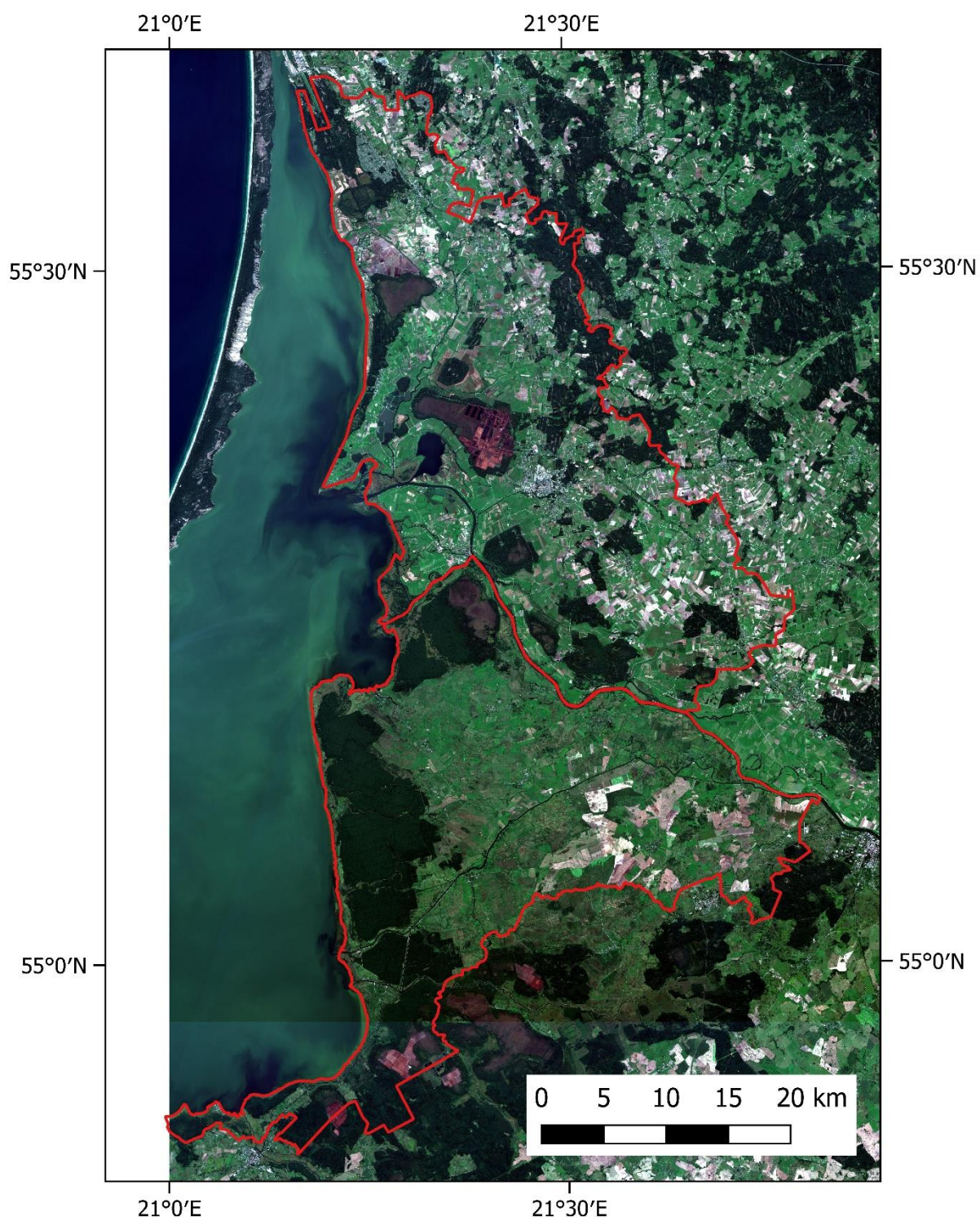
Figure S2. RGB composite based on Sentinel-2 satellite images from 2021-09-09 used for classification of land cover in the location of the study area on southern coast of the Baltic Sea next to the Curonian Lagoon.
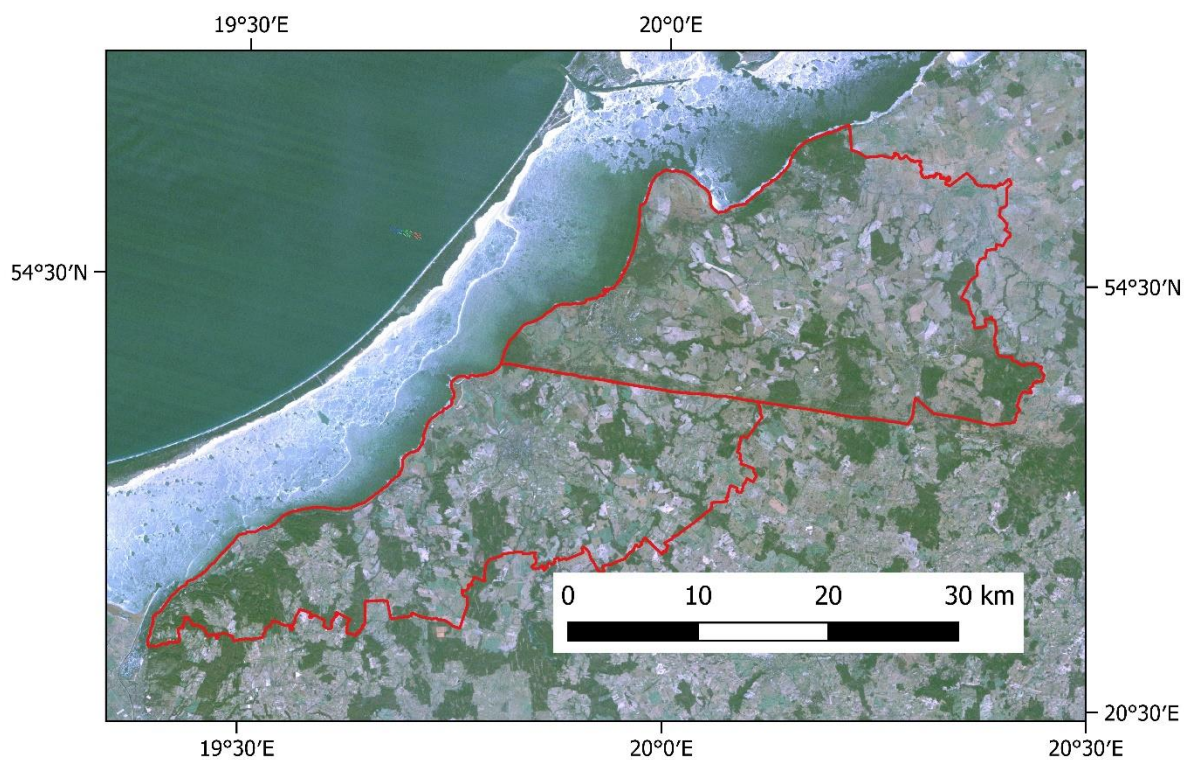
Figure S3. RGB composite based on Landsat 5 satellite images from 1984-11-18 used for classification of land cover in the location of the study area on southern coast of the Baltic Sea next the Vistula Lagoon.
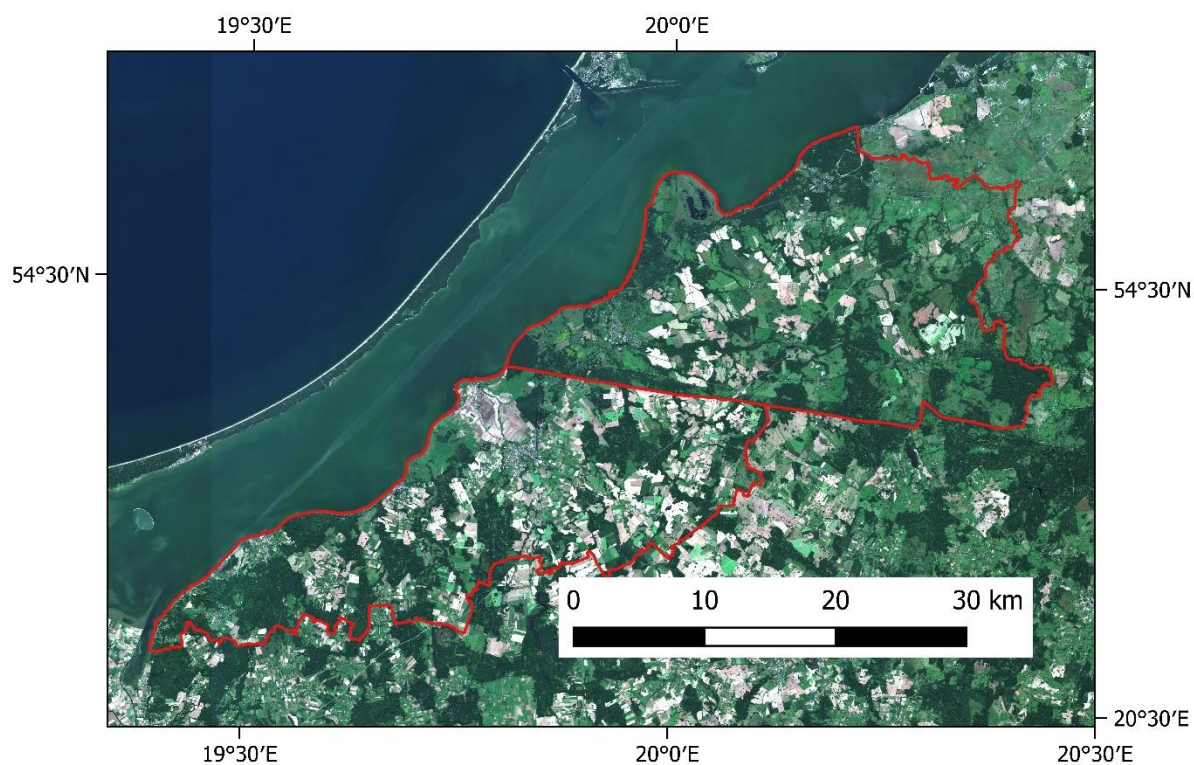

Figure S4. RGB composite based on Sentinel-2 satellite images from 2021-09-09 used for classification of land cover in the location of the study area on southern coast of the Baltic Sea next to the Vistula Lagoon.
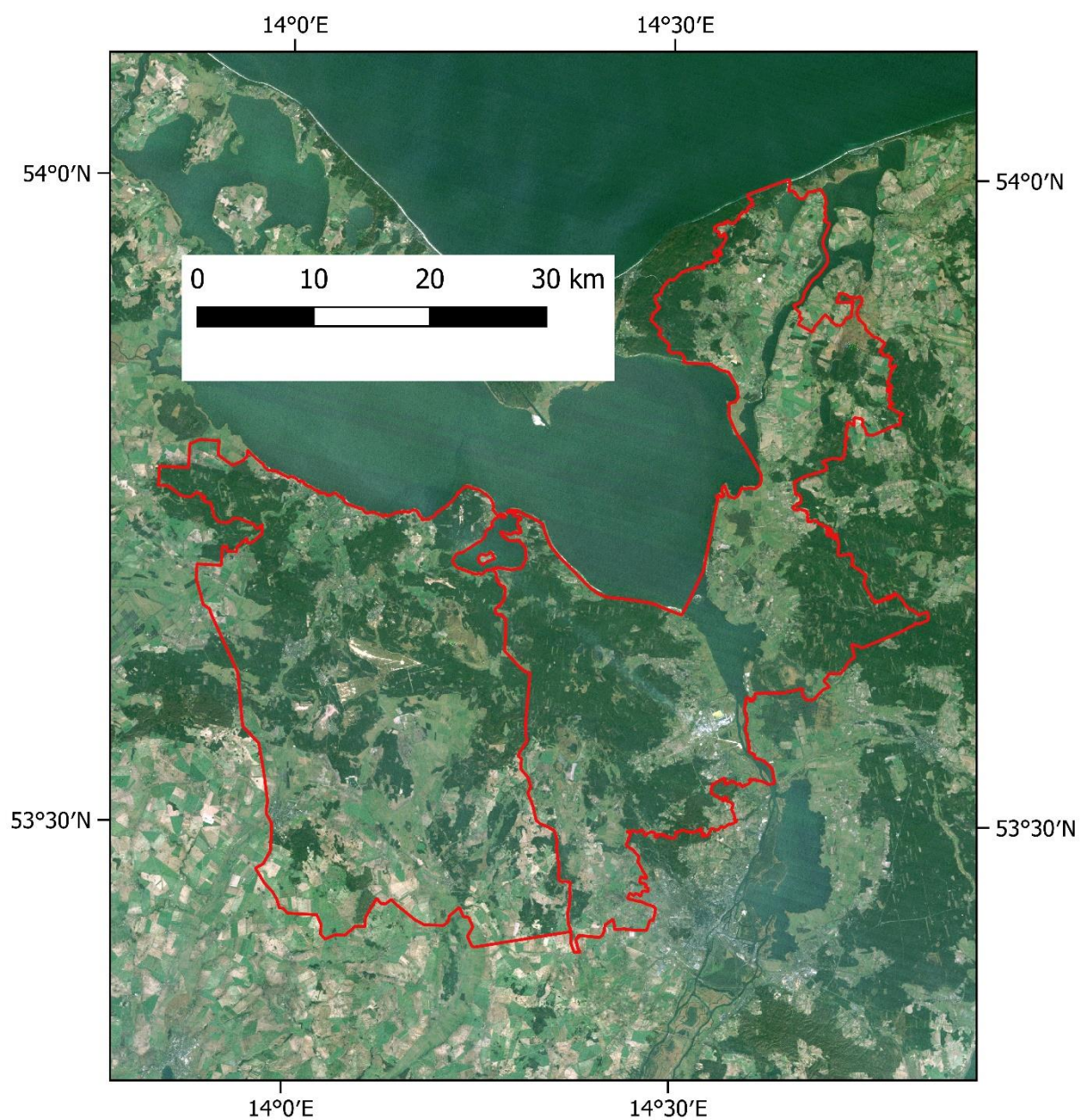
Figure S5. RGB composite based on Landsat5 satellite images from 1984-11-14 used for classification of land cover in the location of the study area on southern coast of the Baltic Sea next to the Szczecin Lagoon.
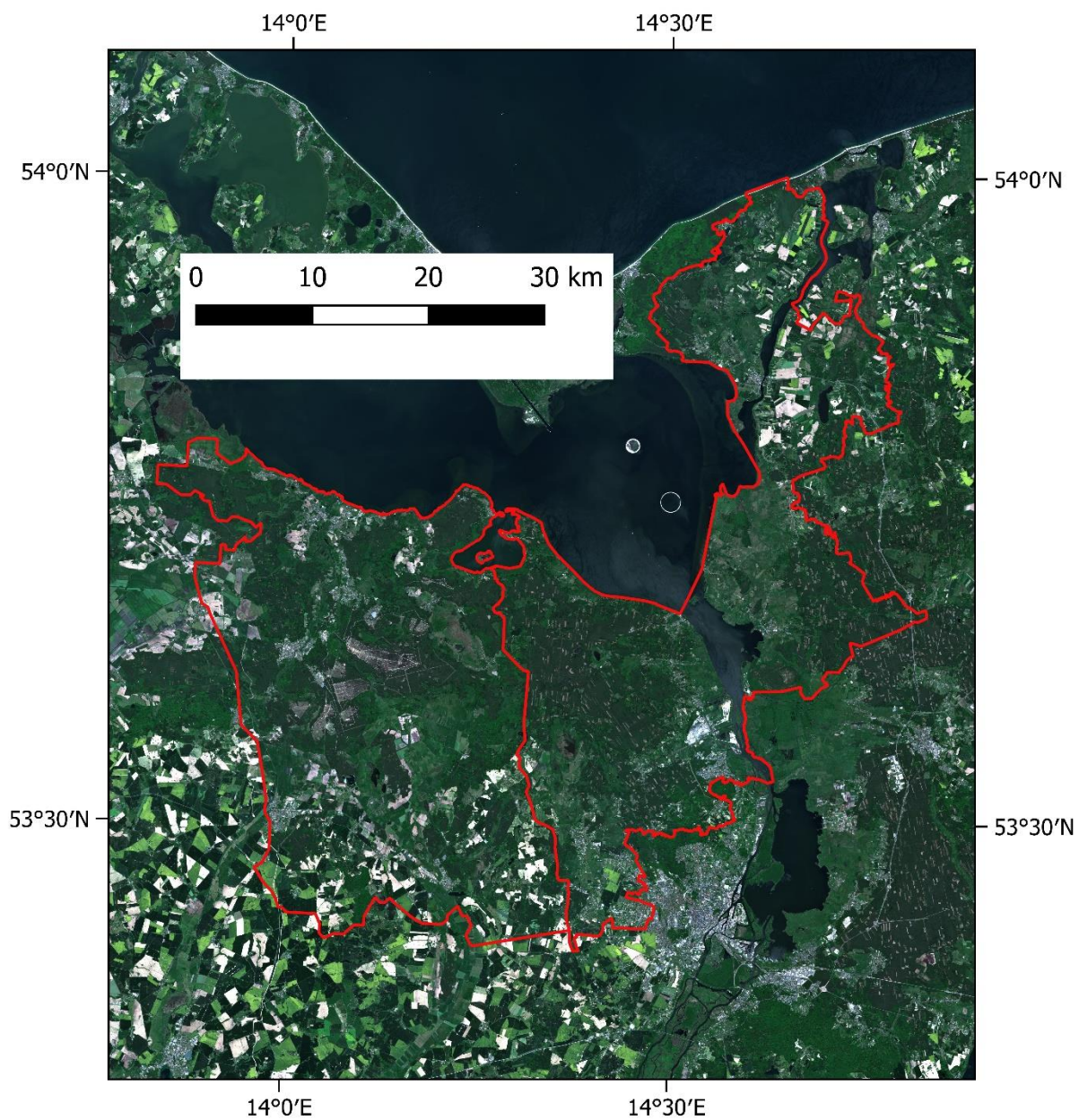
Figure S6. RGB composite based on Sentinel-2 satellite images from 2021-05-31 used for classification of land cover in the location of the study area on southern coast of the Baltic Sea next to the Szczecin Lagoon.
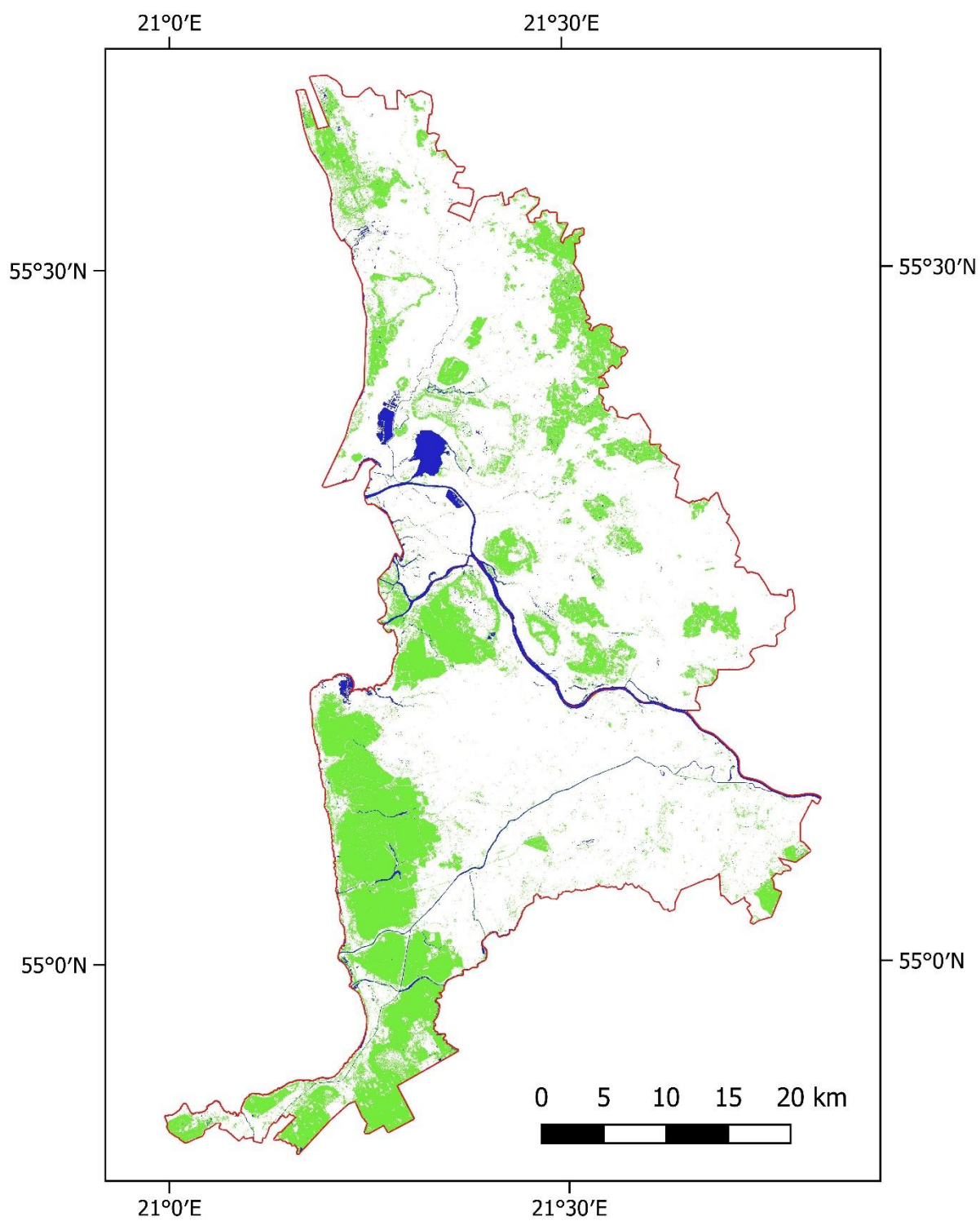
Figure S7. Areas of forest (green colour) and water reservoirs (blue colour) in 1984 in the studied area in south coast of Baltic Sea next to Curonian Lagoon.
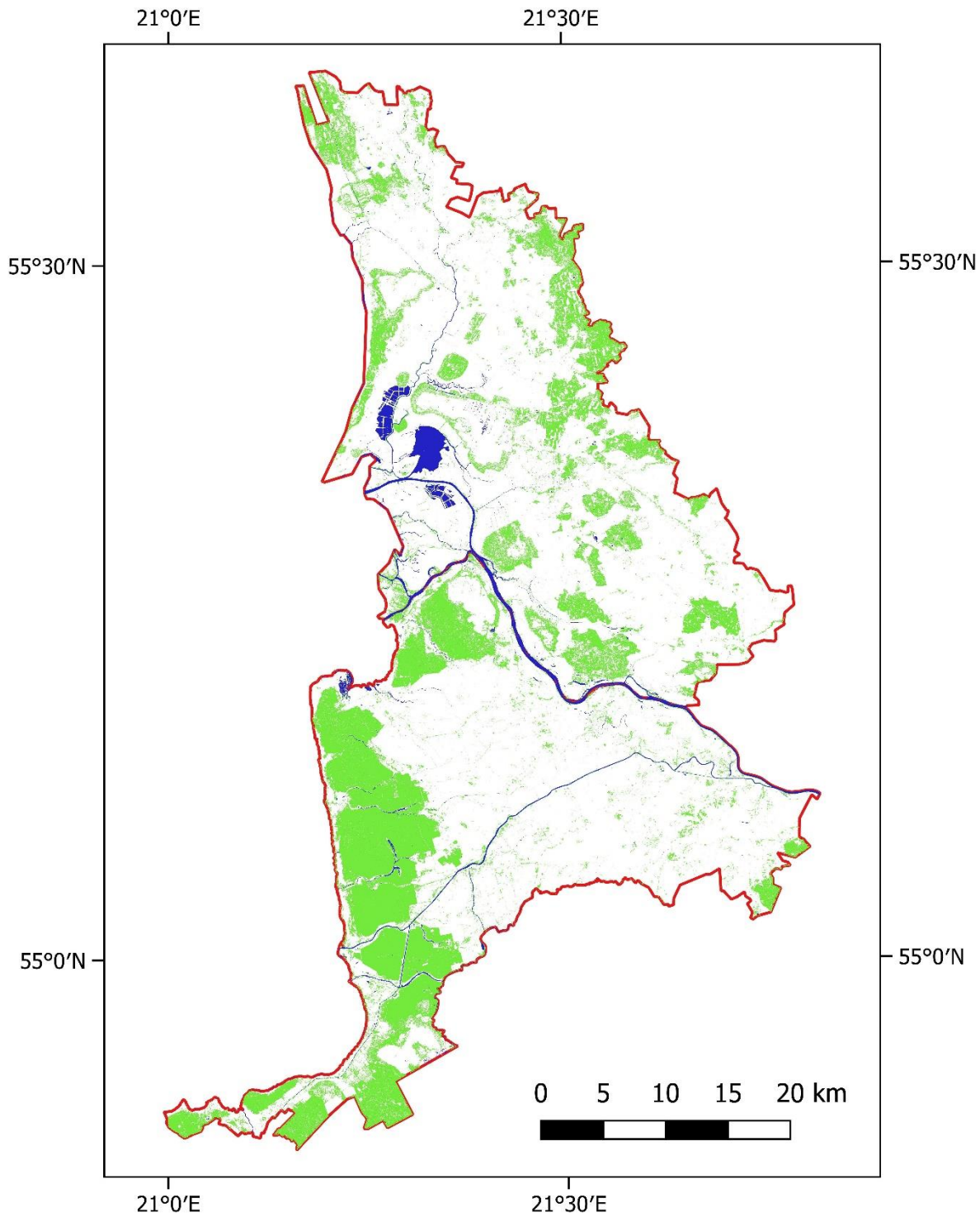
Figure S8. Areas of forest (green colour) and water reservoirs (blue colour) in 2021 in the studied area in south coast of Baltic Sea next to Curonian Lagoon.
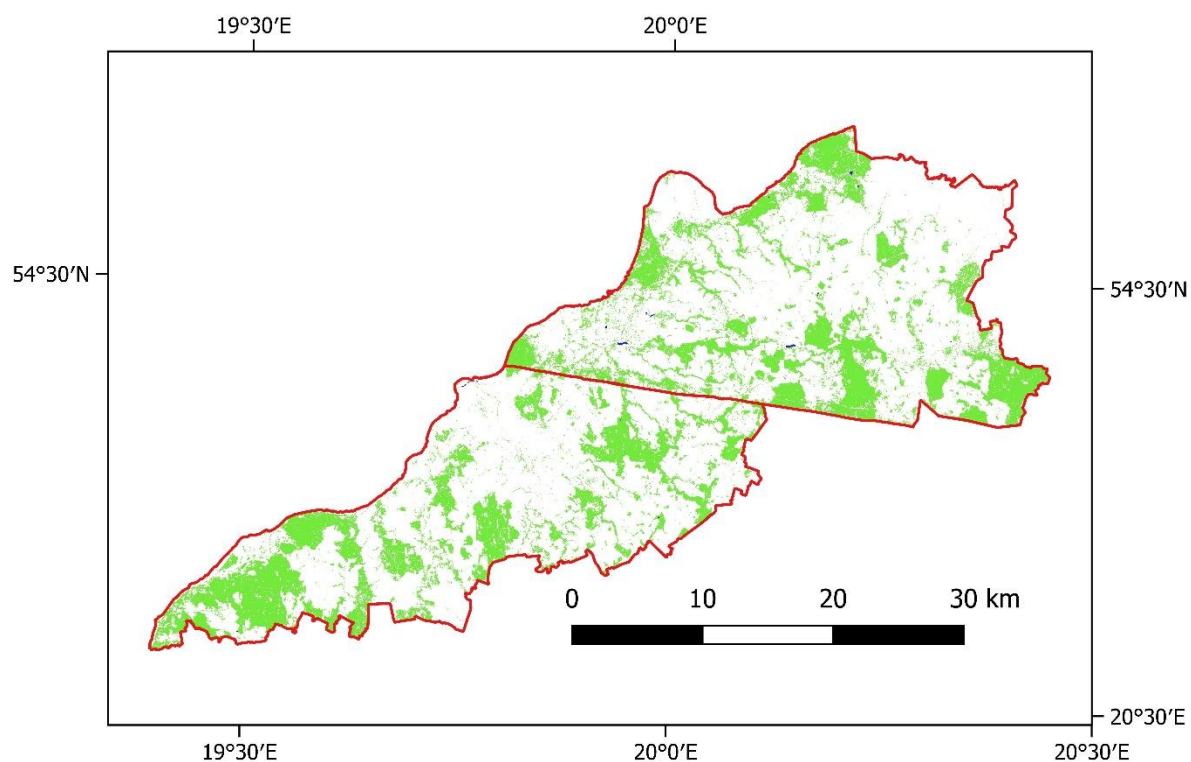
Figure S9. Areas of forest (green colour) and water reservoirs (blue colour) in 1984 in the studied area in south coast of Baltic Sea next to Vistula Lagoon.

Figure S10. Areas of forest (green colour) and water reservoirs (blue colour) in 2021 in the studied area in south coast of Baltic Sea next to Vistula Lagoon.
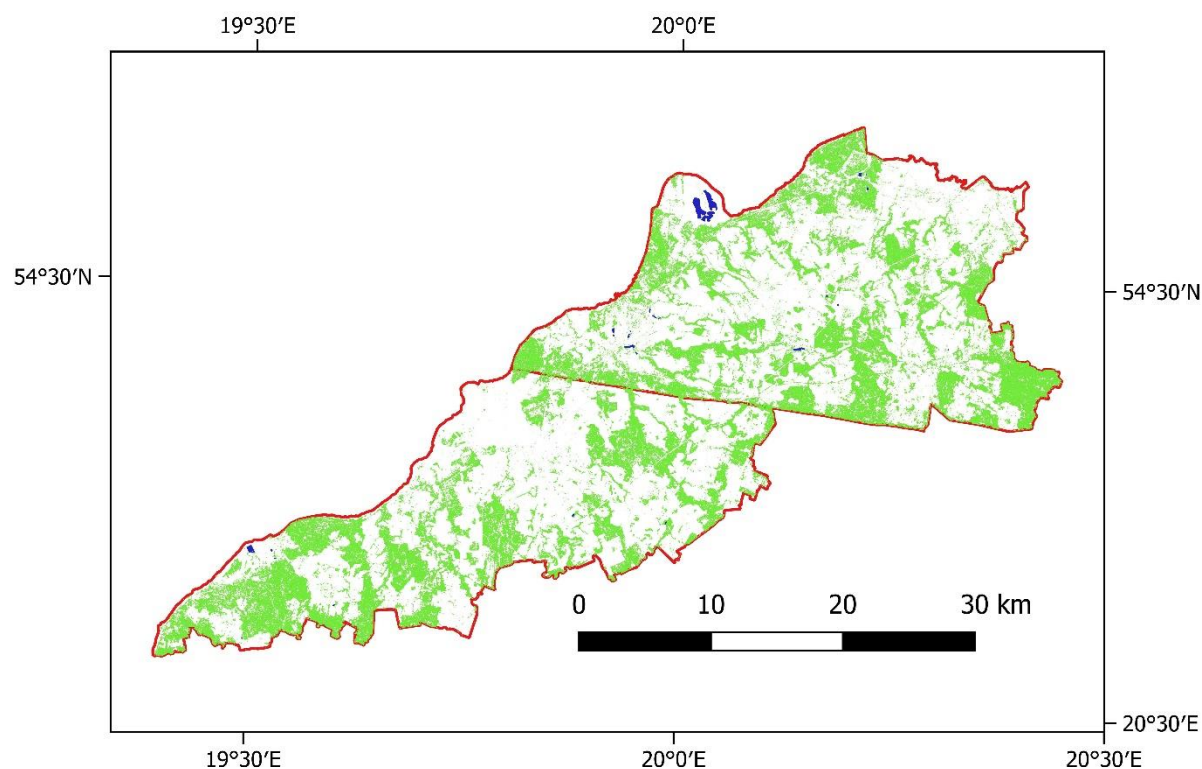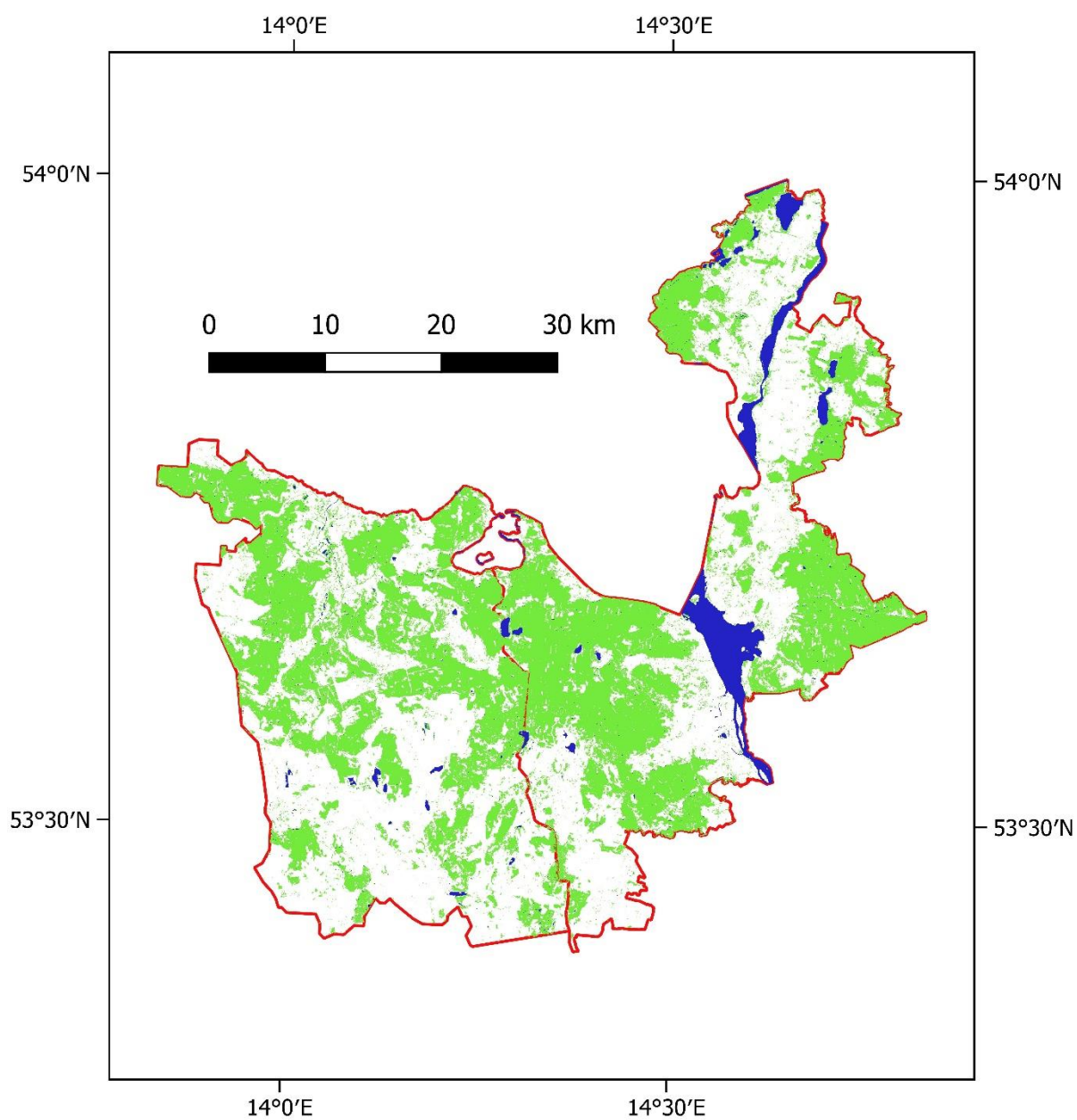
Figure S11. Areas of forest (green colour) and water reservoirs (blue colour) in 1984 in the studied area in south coast of Baltic Sea next to Szczecin Lagoon.
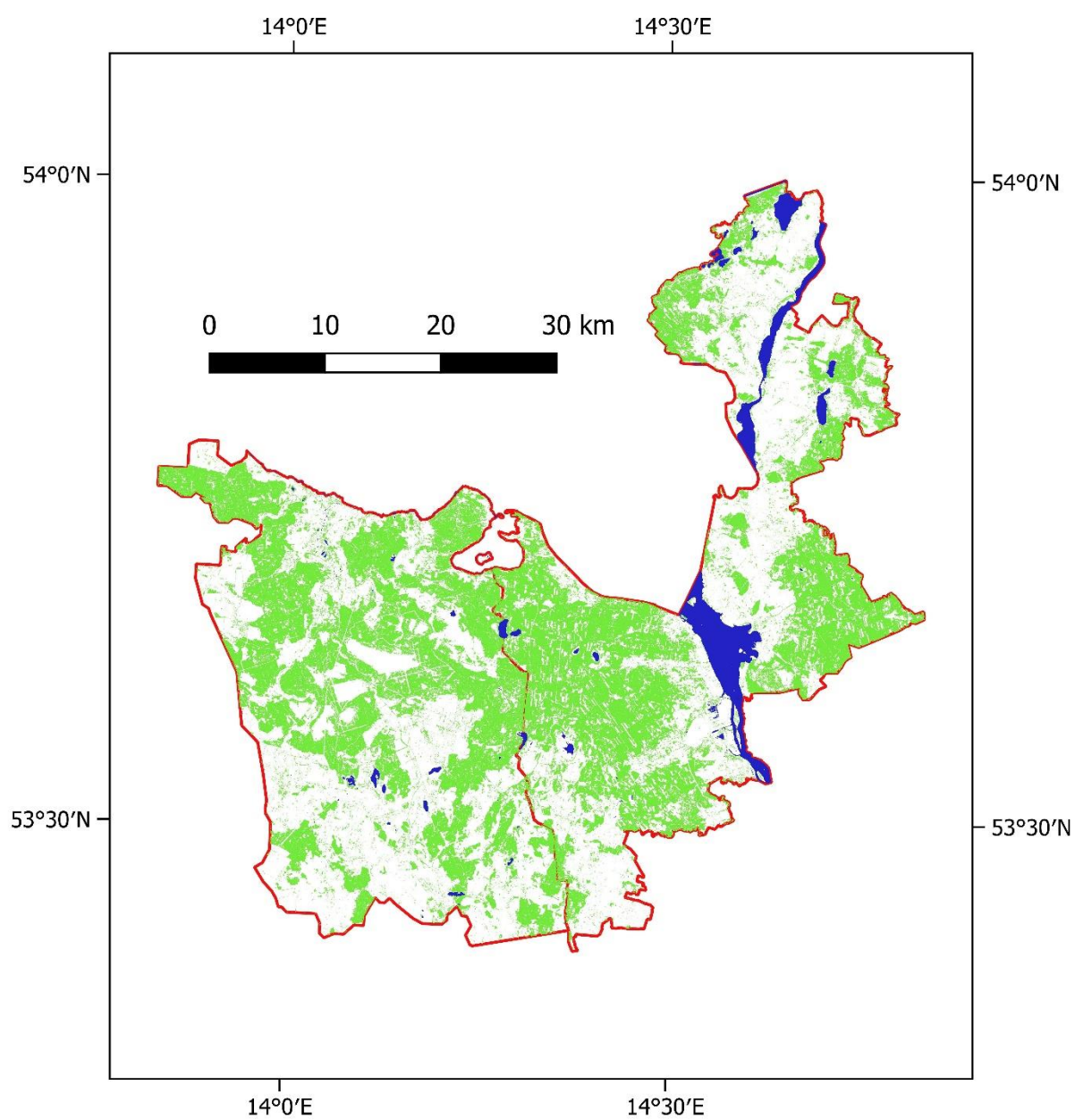
Figure S12. Areas of forest (green colour) and water reservoirs (blue colour) in 2021 in the studied area in south coast of Baltic Sea next to Szczecin Lagoon.

Table S1. Results of the classification quality assessment for selected training areas for selected areas of water bodies and forests located in Lithuania next to Curonian Lagoon in the study area. False positive are percentages of areas classified as forests (or inland water) which are not real forest (or real inland water), while false negative indicate areas which were not classified as forests (or inland water) which are real forests (or inland water).

	False positive	False negative
Forests in 1984	2.0%	5.1%
Forests in 2021	1.6%	4.8%
Inland water in 1984	1.4%	2.9%
Inland water in 2021	1.3%	1.7%