

Figure 1: Schematic overview of objectives

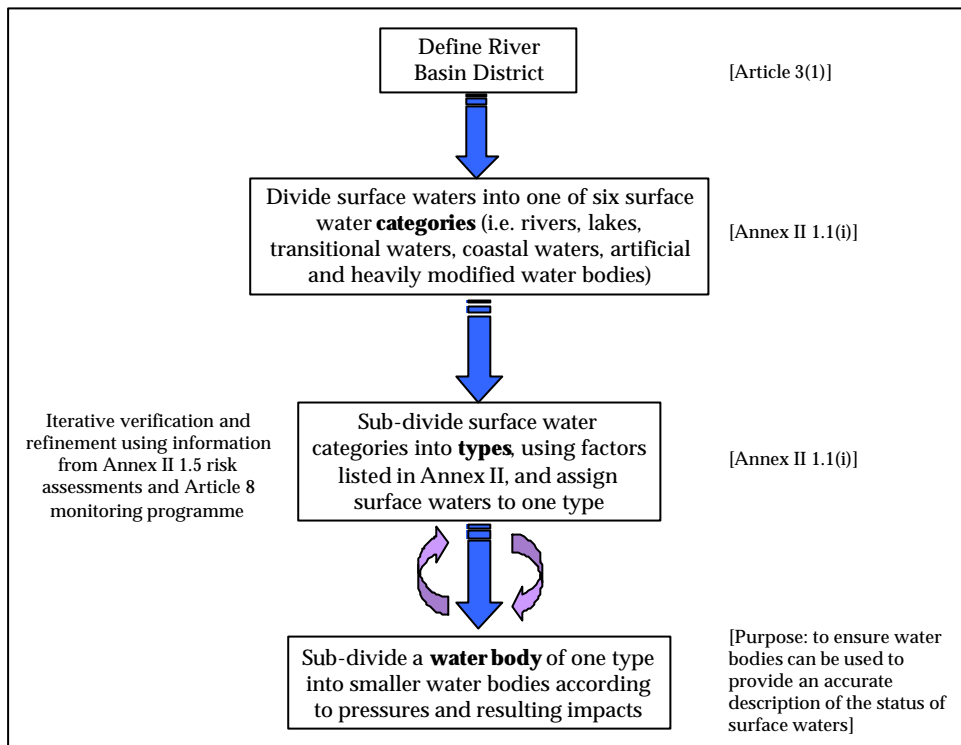


Figure 2: Hierarchical approach to identify surface water bodies (Vincent et al., 2002)

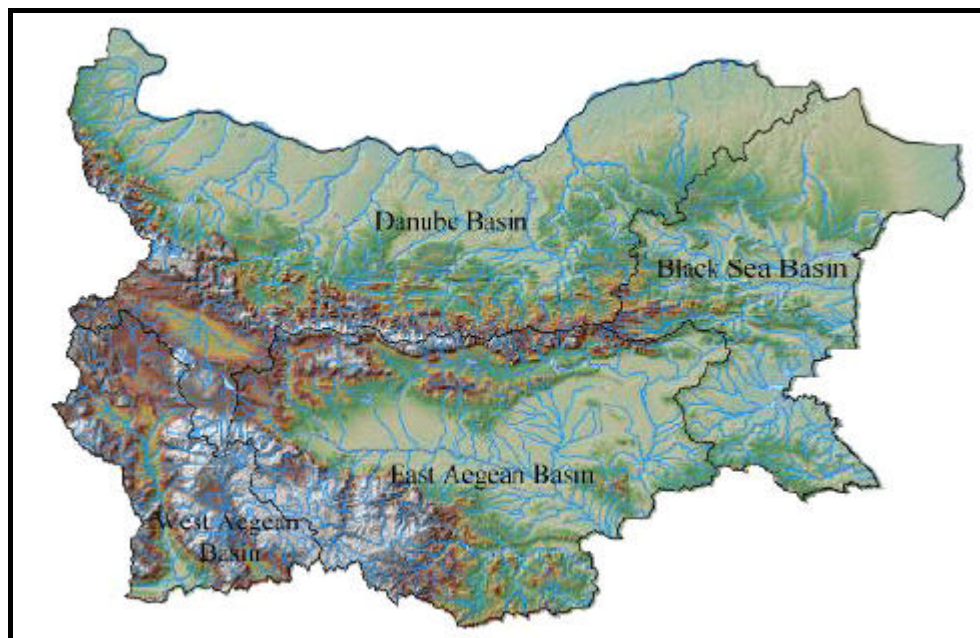


Figure 3: River Basin Districts in Bulgaria

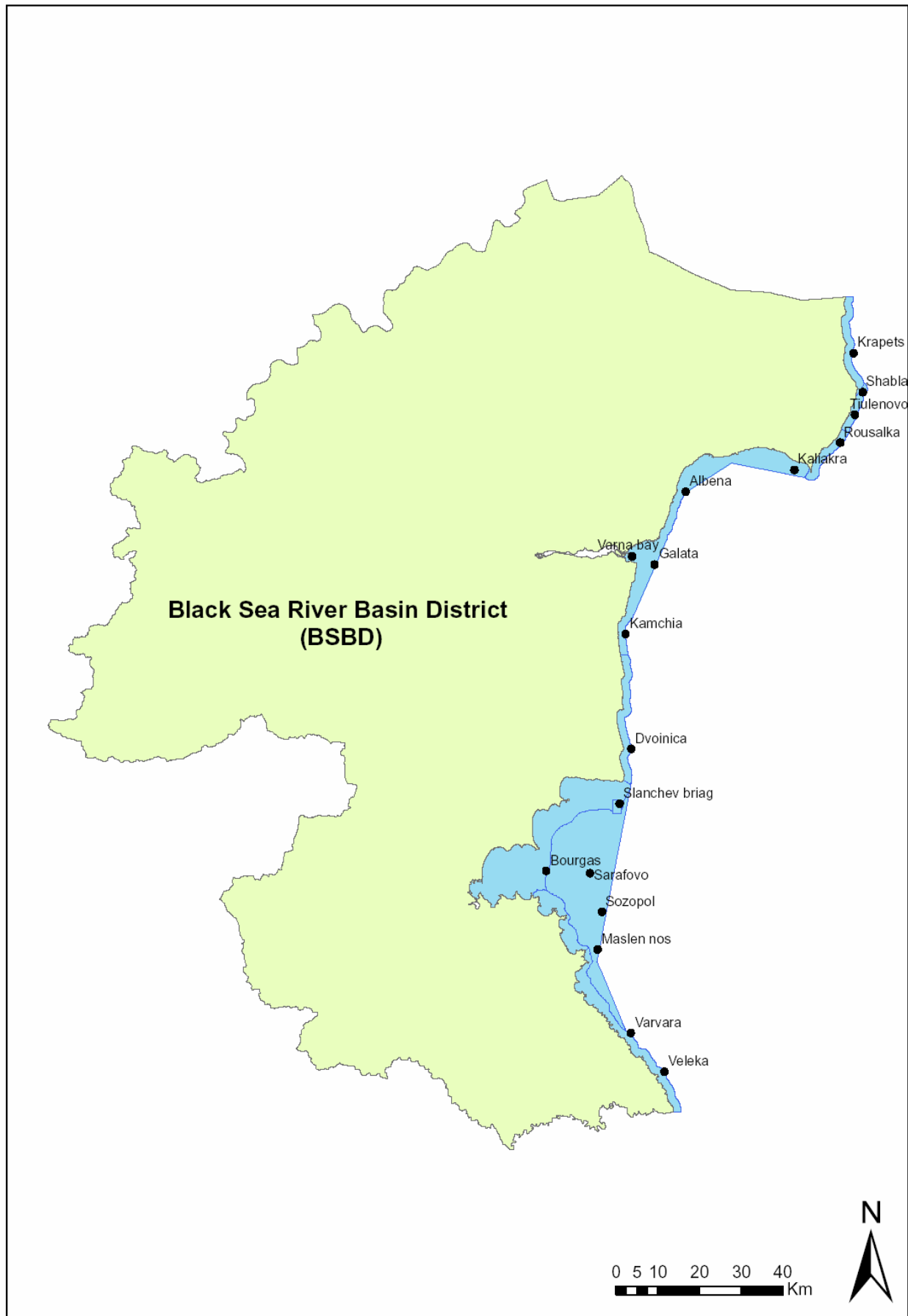


Figure 4: Map of the 17 monitoring points in the coastal waters of Bulgaria

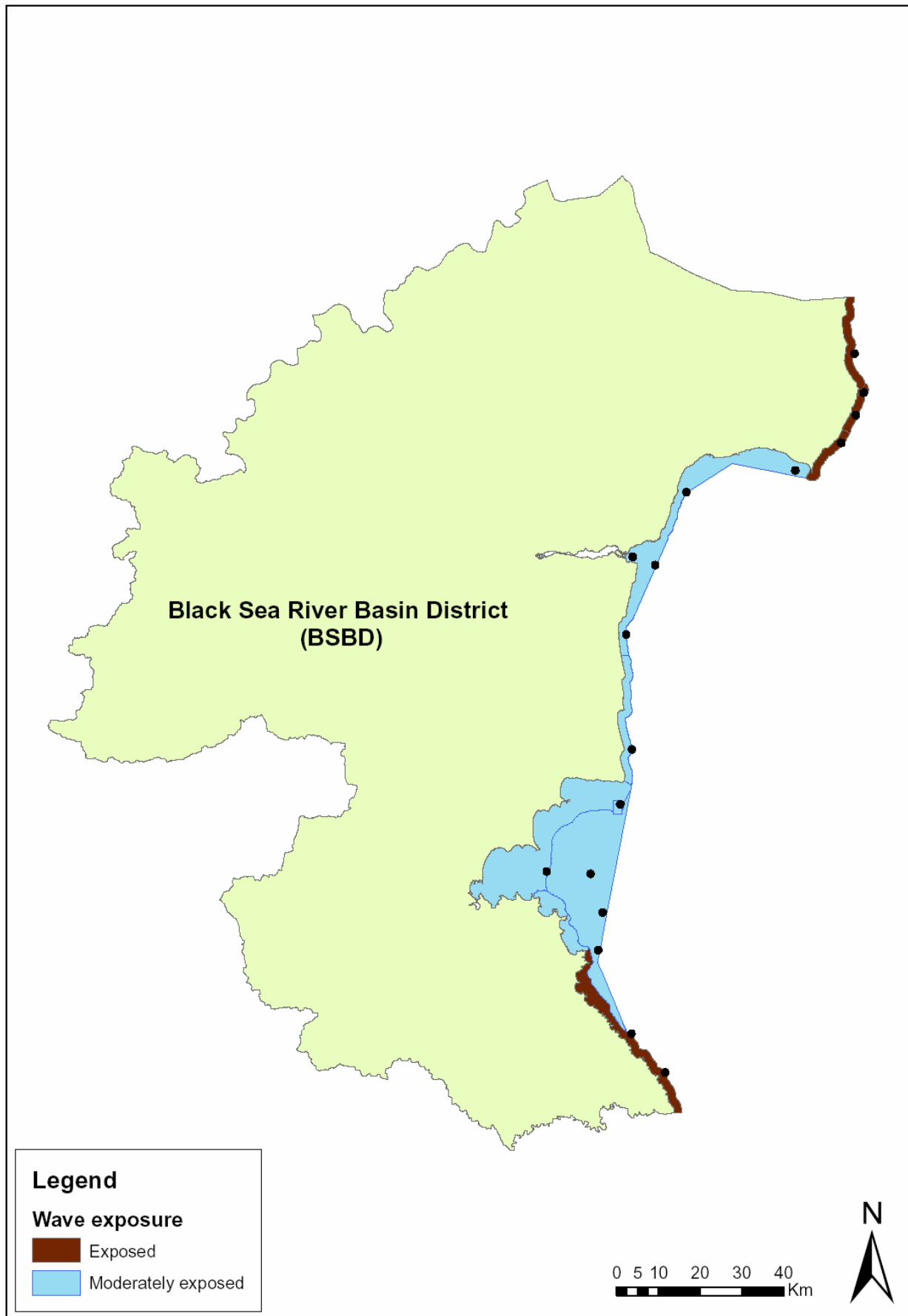


Figure 5: Typology based on exposure

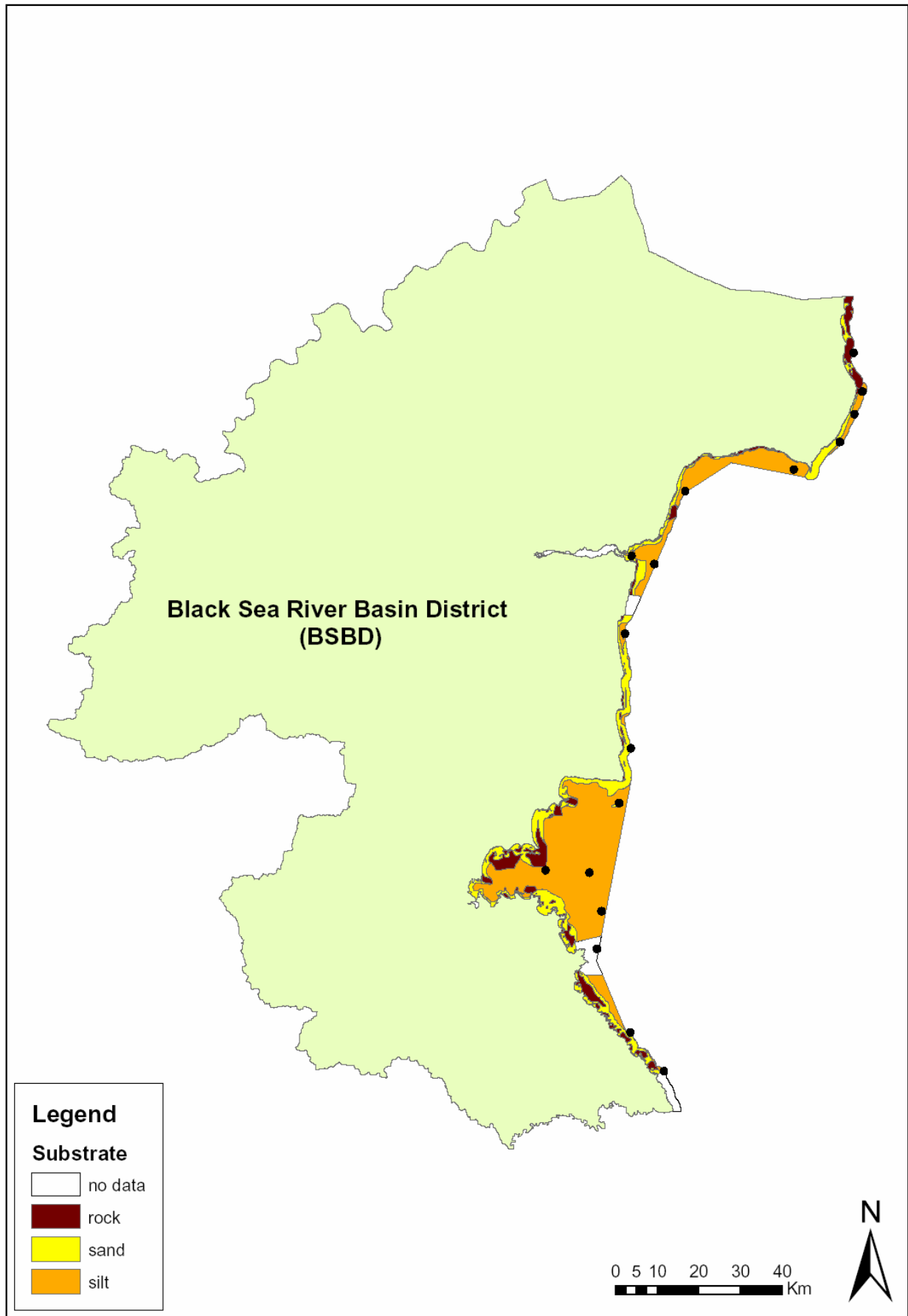


Figure 6: Substratum composition along the Bulgarian Black Sea coast

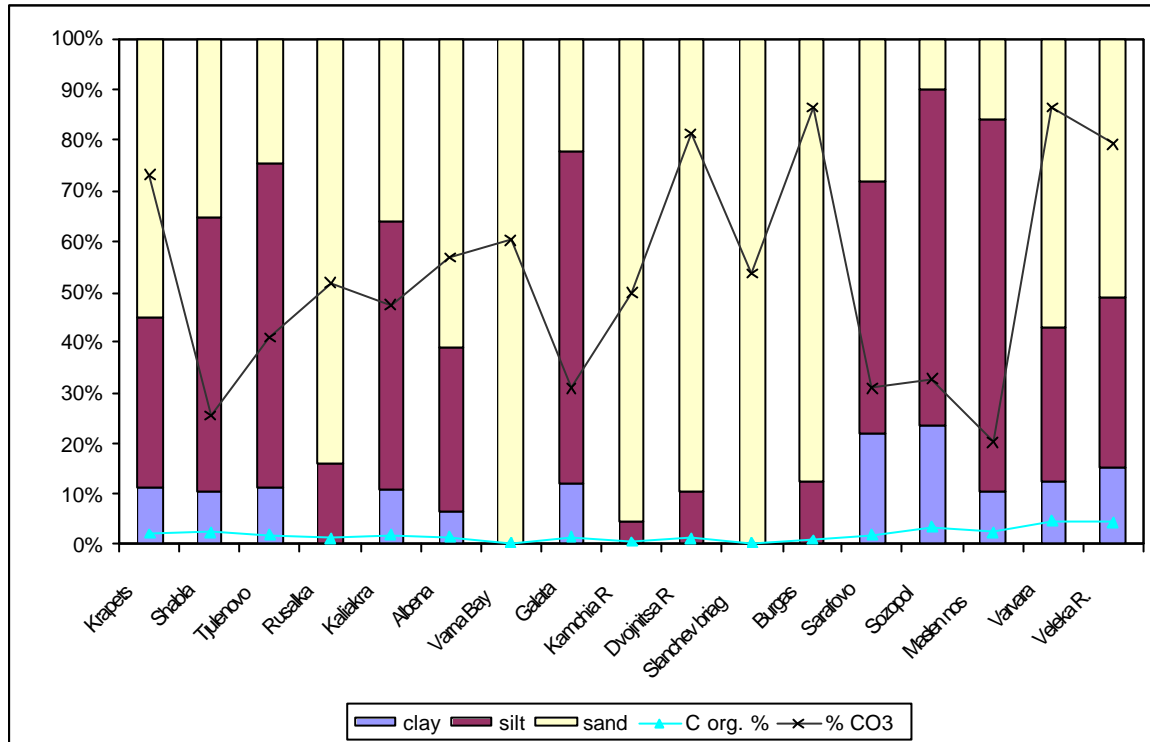


Figure 7: Grain size fraction of the 17 monitoring points along the Bulgarian Black Sea coast (clay (< 0.04 mm); silt (< 0.63 mm); sand (<2 mm))

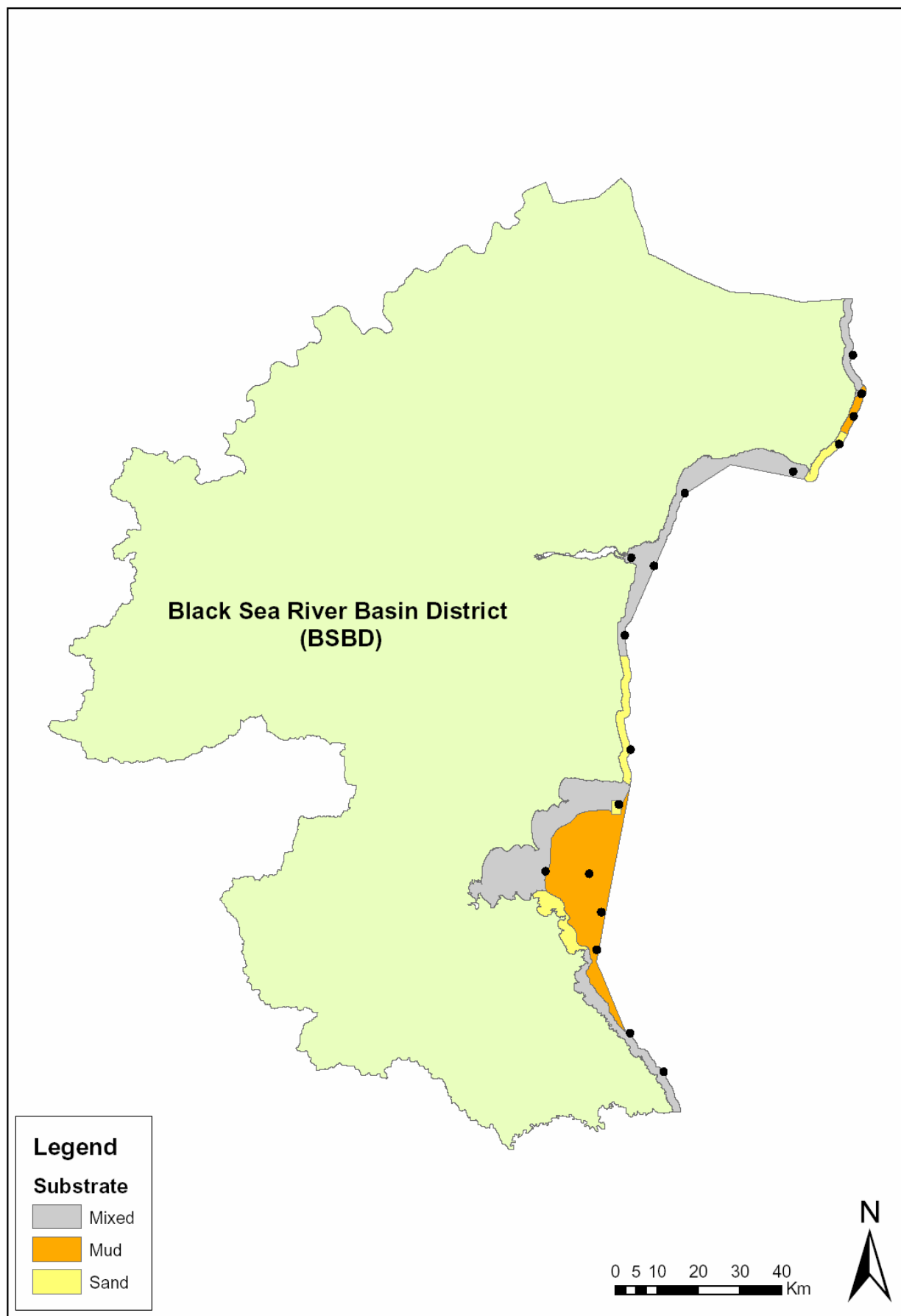


Figure 8: Typology based on the substratum composition

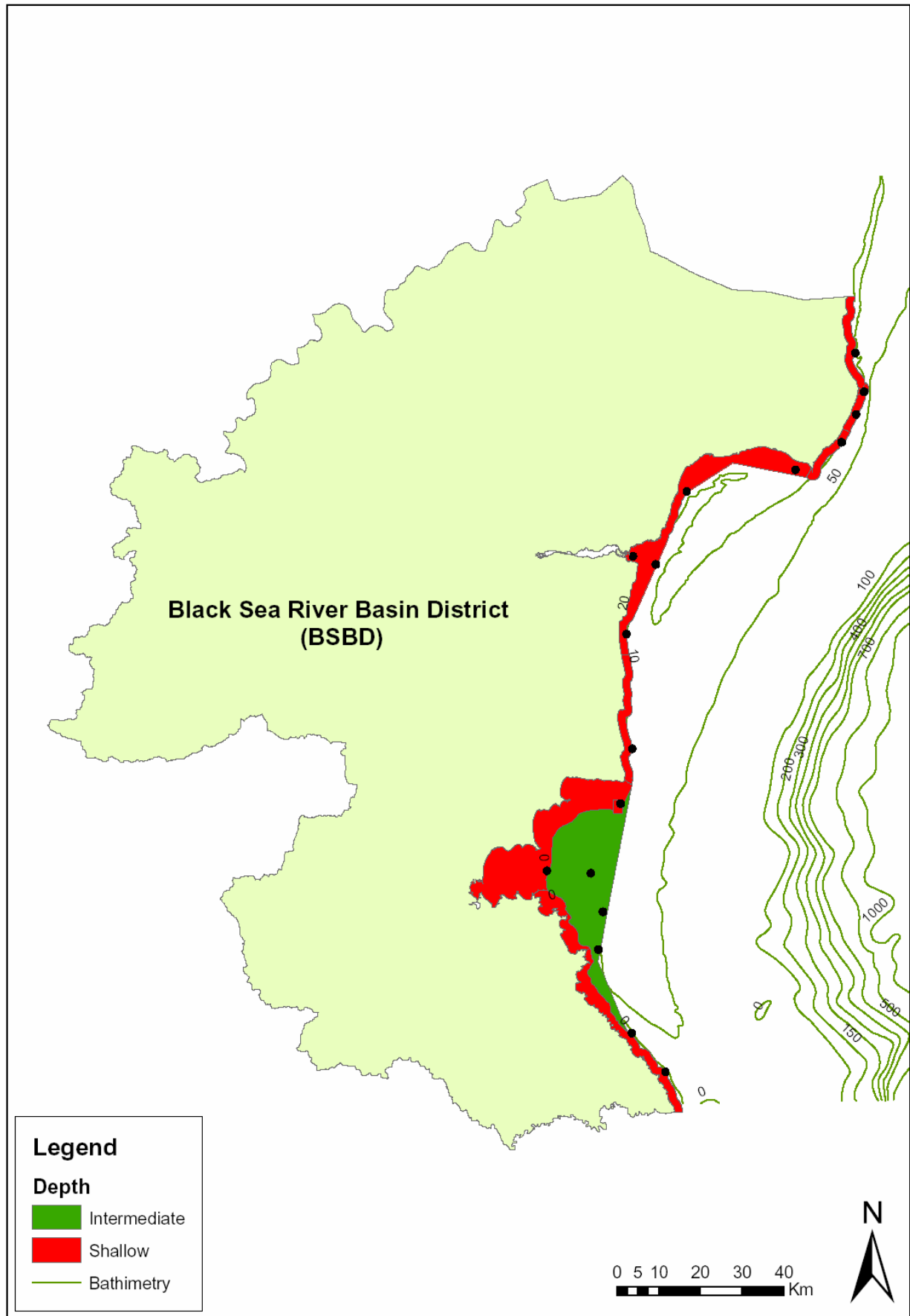


Figure 9: Typology based on the water depth

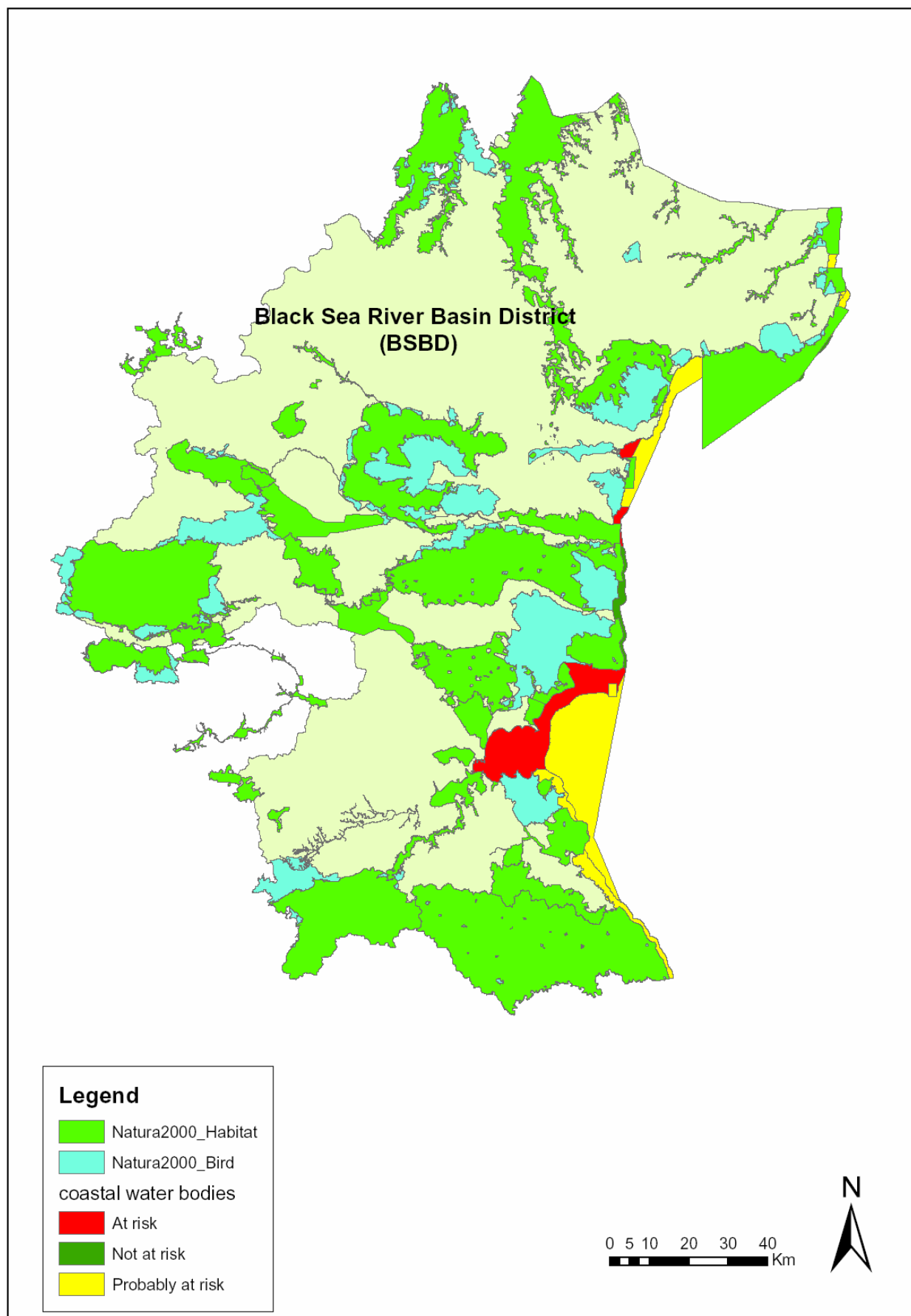


Figure 10: Protected areas BSBD (draft version)

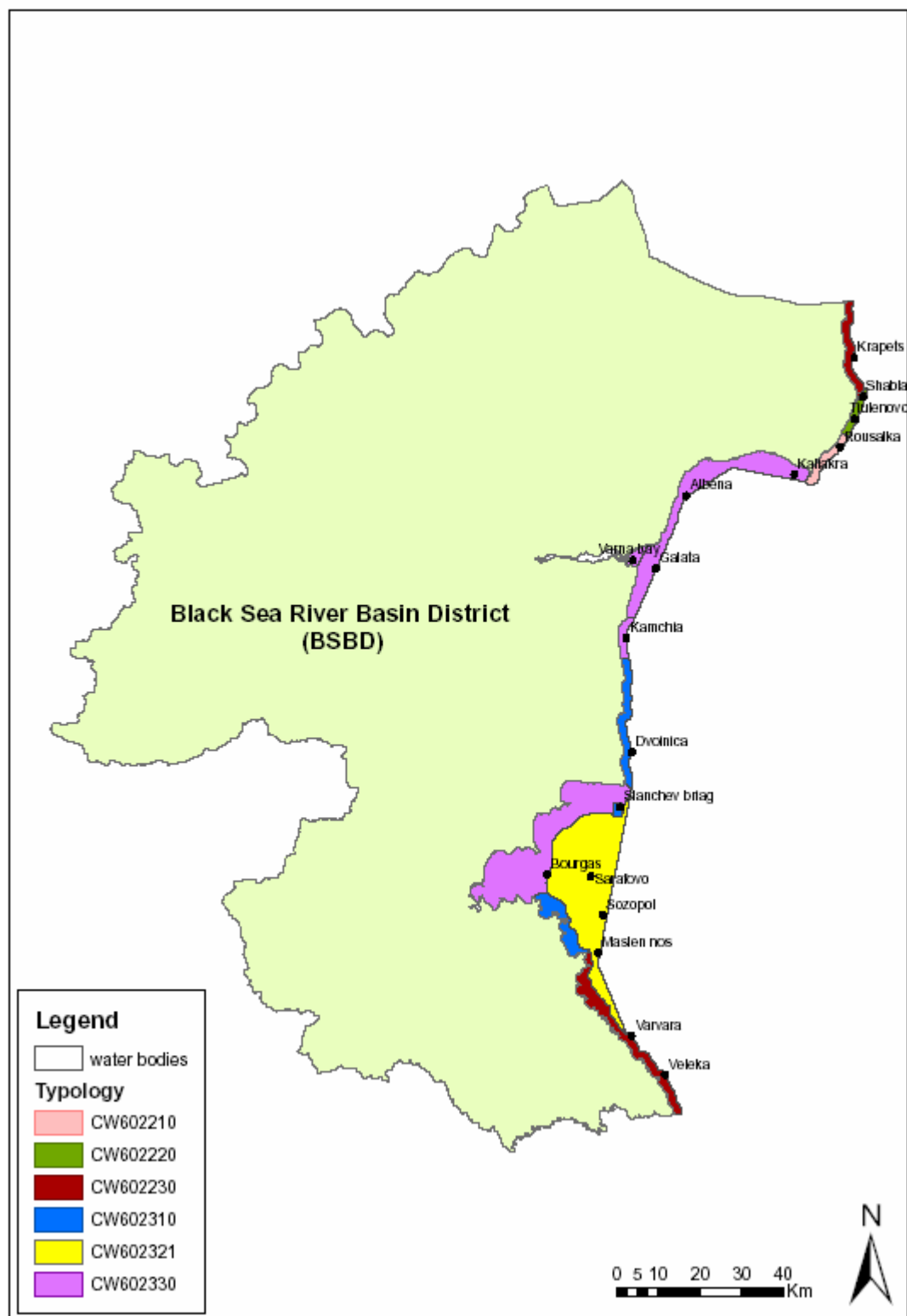


Figure 11: Final typology (coastal water bodies) of the Bulgarian coastal waters

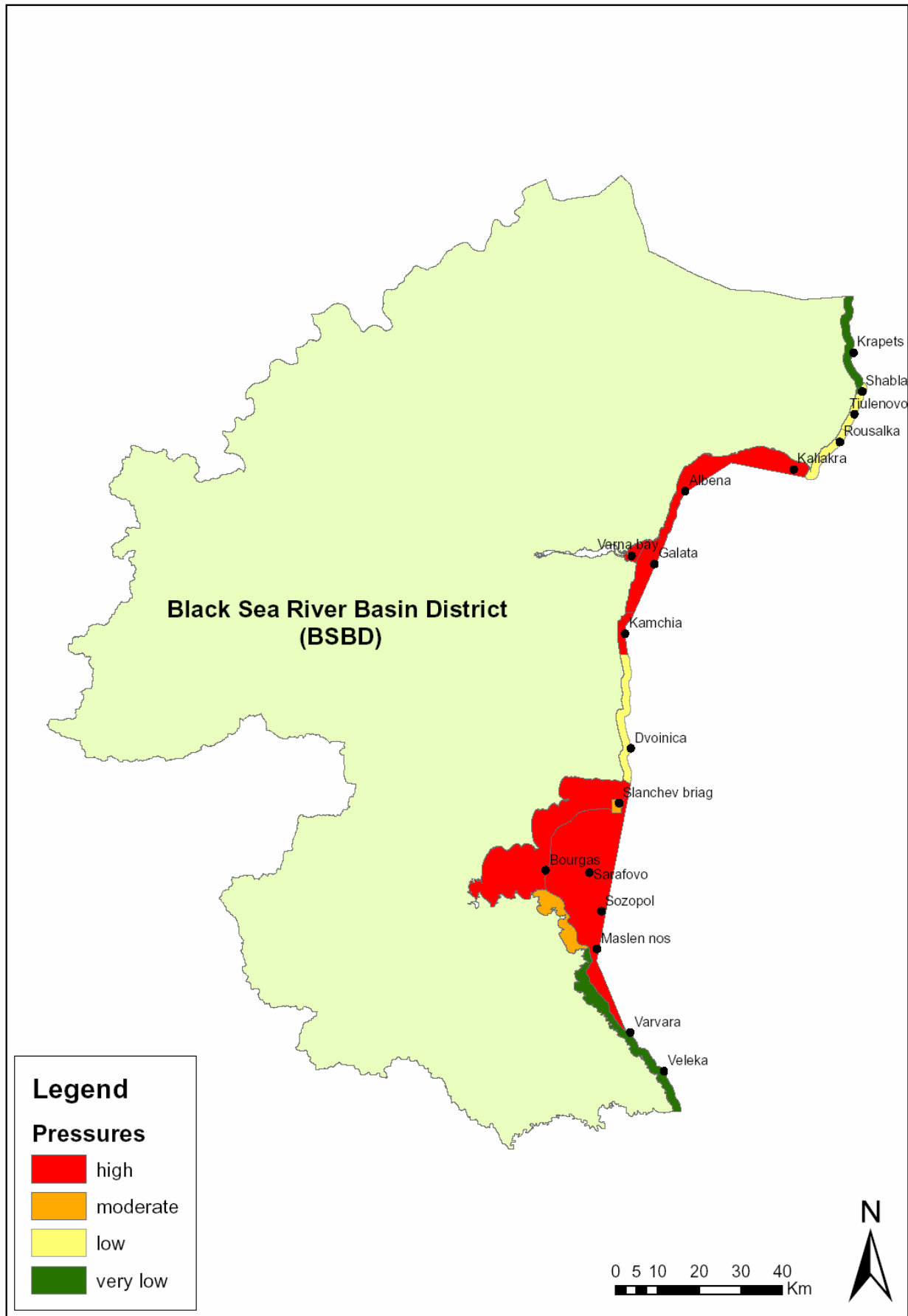


Figure 12: Pressures per coastal water body

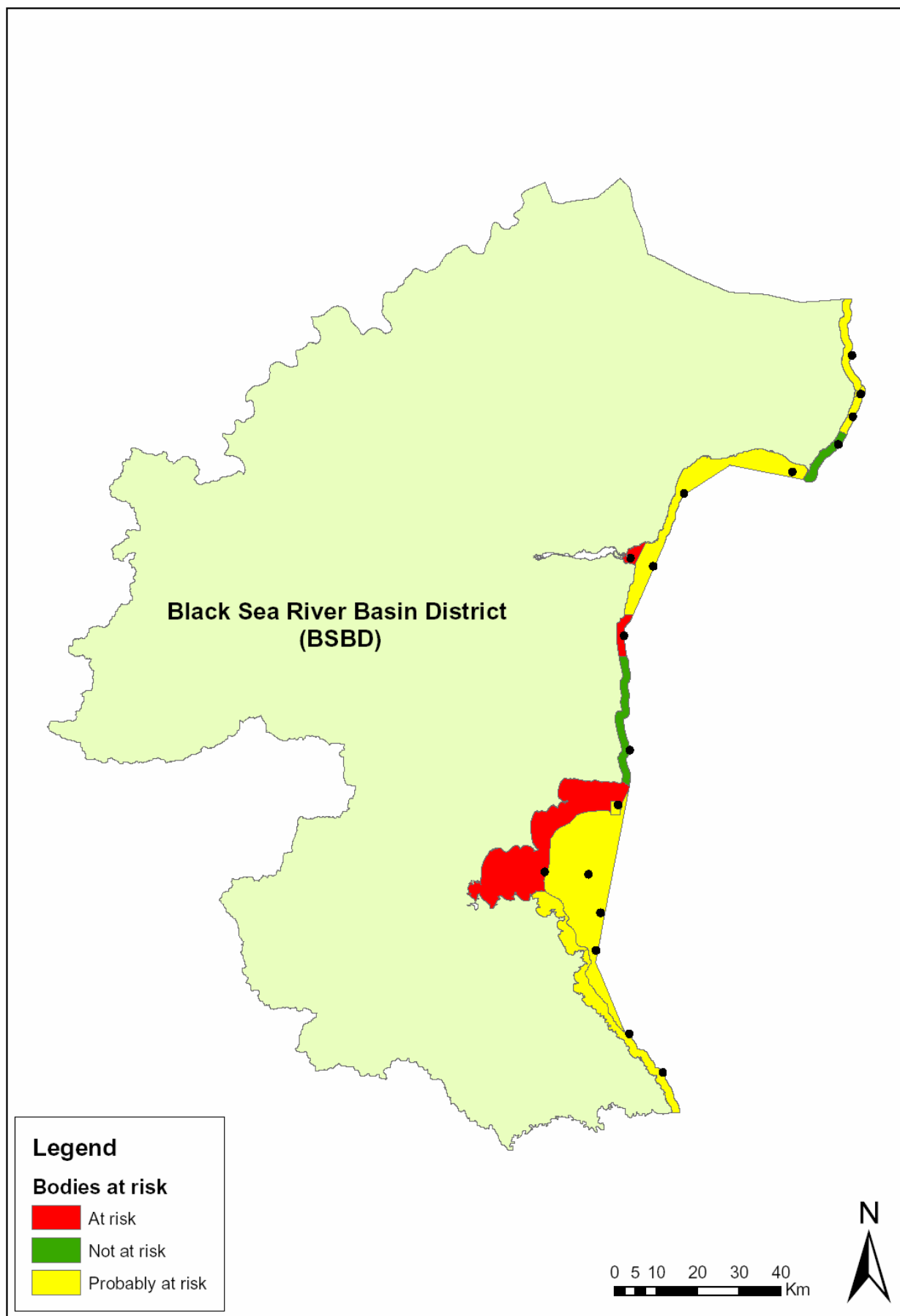


Figure 13: Coastal water bodies at risk

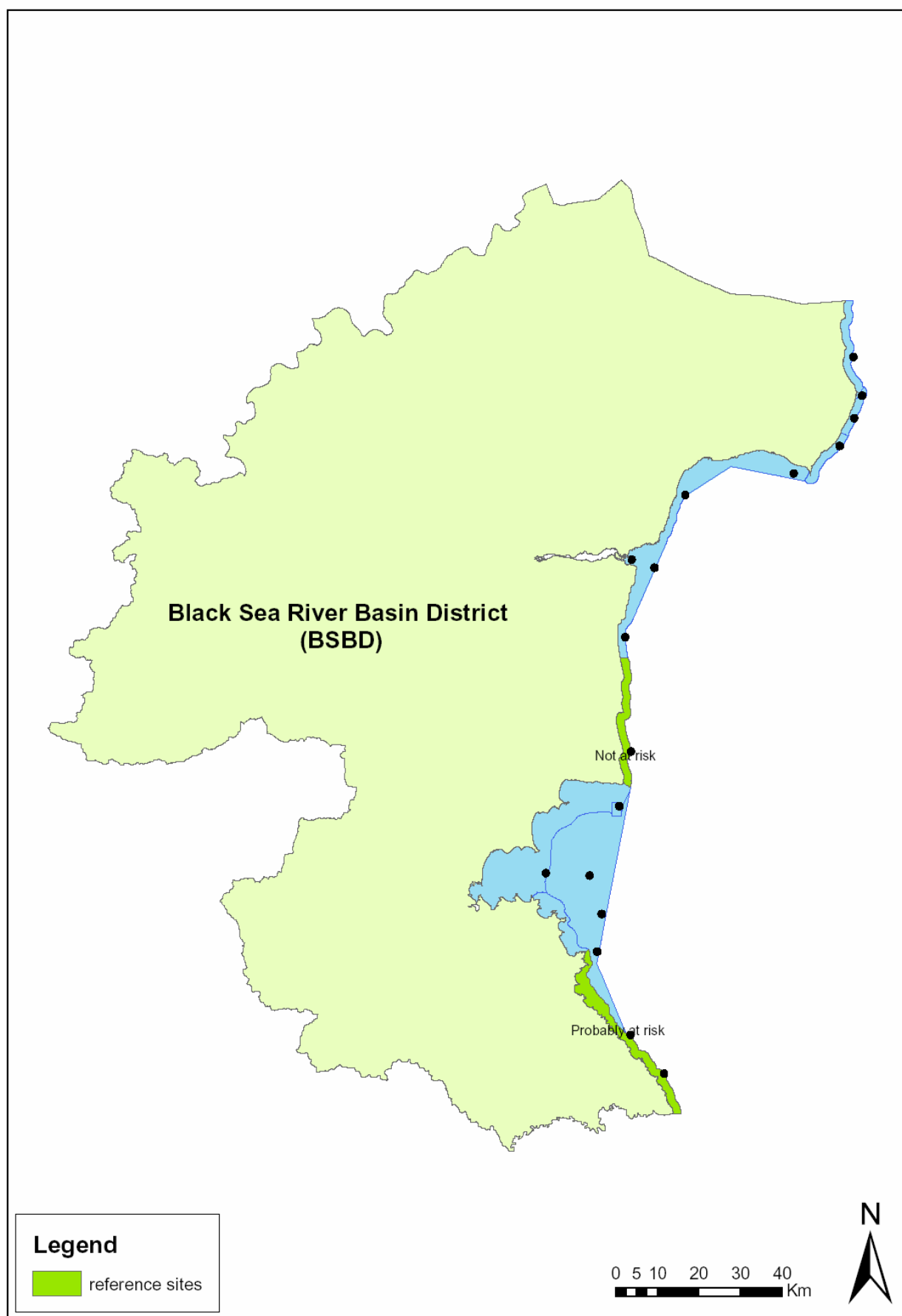


Figure 14: Potential reference sites for the Bulgarian coastal waters

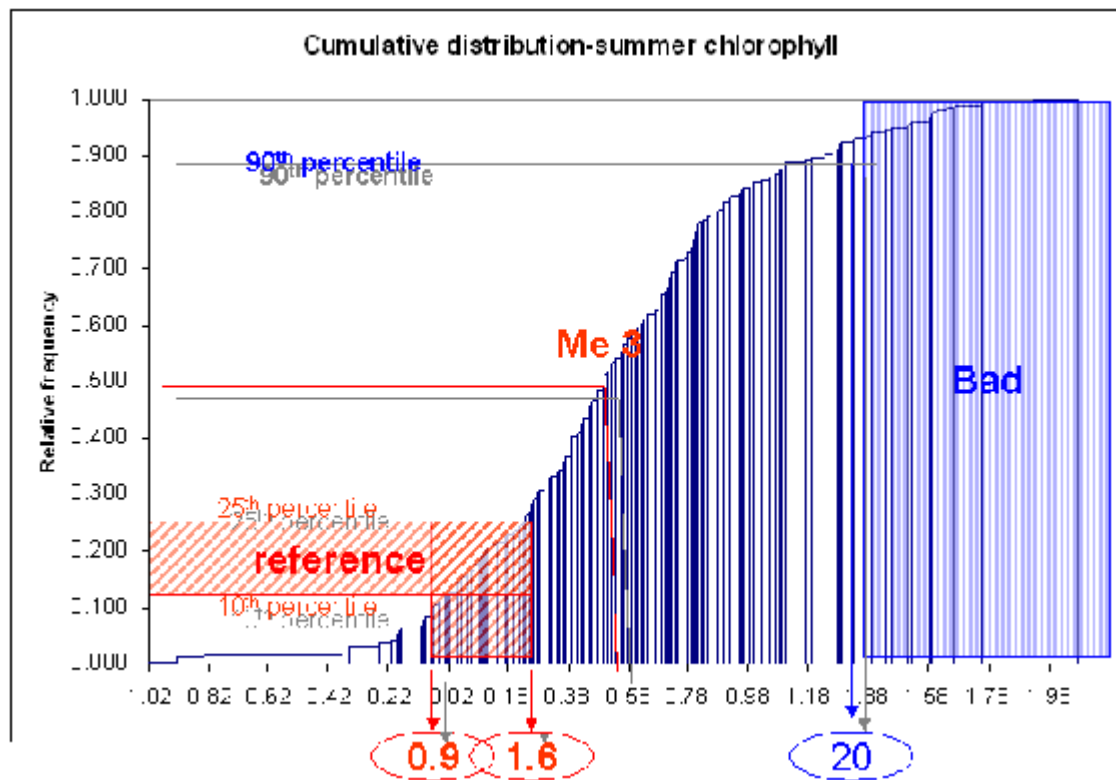


Figure 15: Cumulative distribution of long-term chlorophyll a data (1990-2006) (summer)

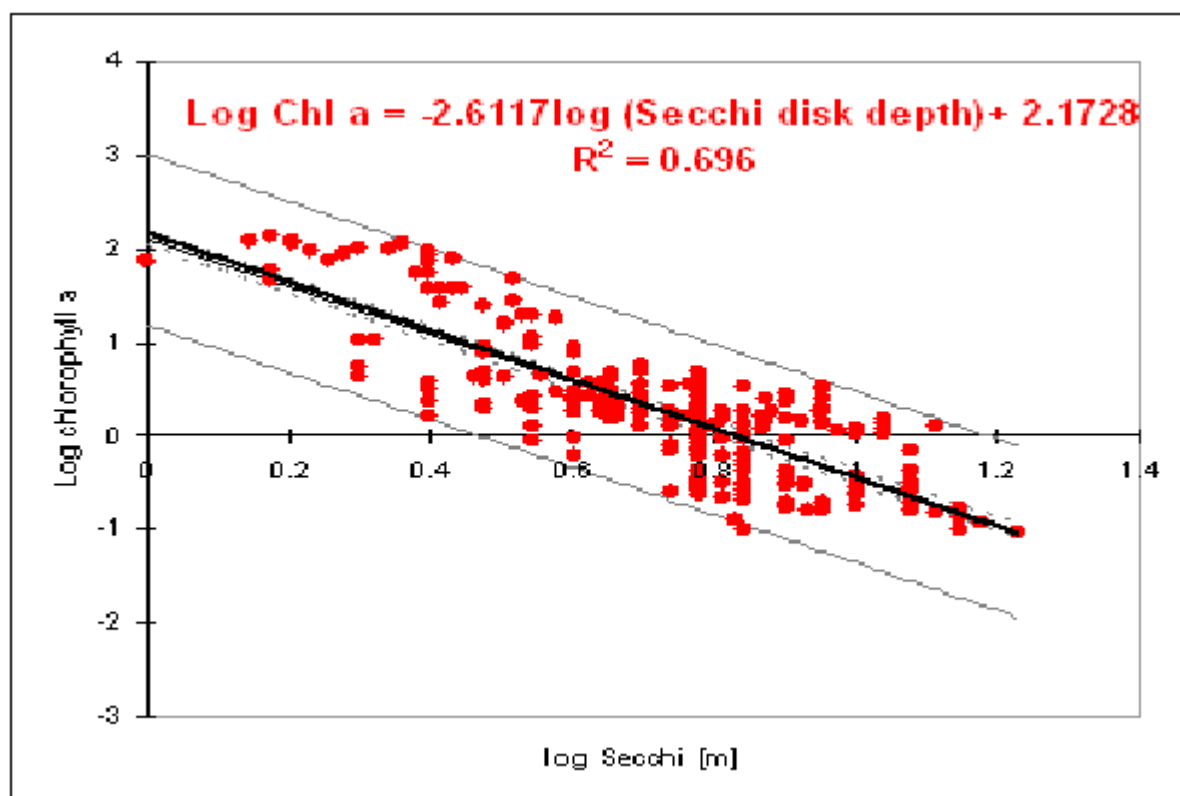


Figure 16: Correlation between chlorophyll a (mg/m^3) and Secchi depth (m) (log scale) (after V. Doncheva, 2007)

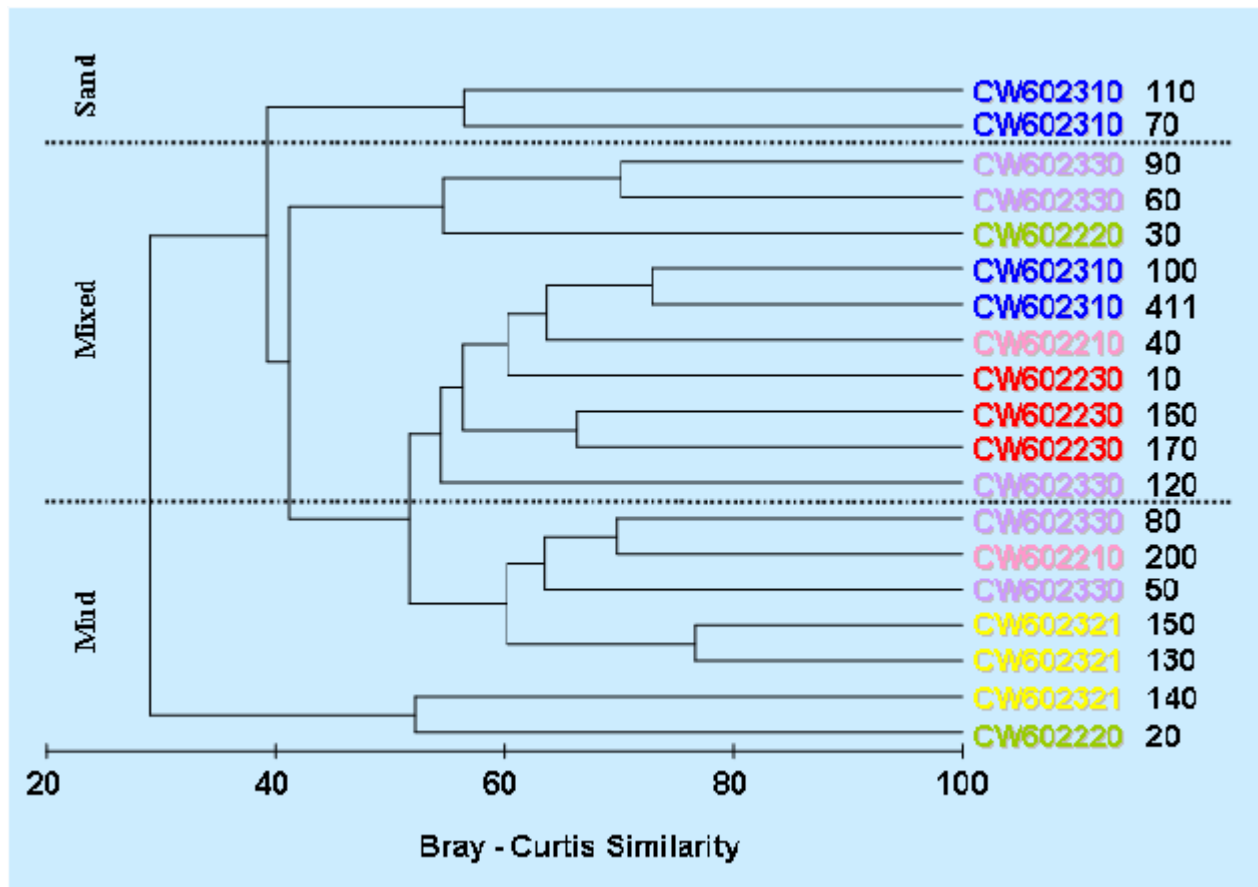


Figure 17: Dendrogram for hierarchical clustering (group-average linking) of coastal water bodies and monitoring sites

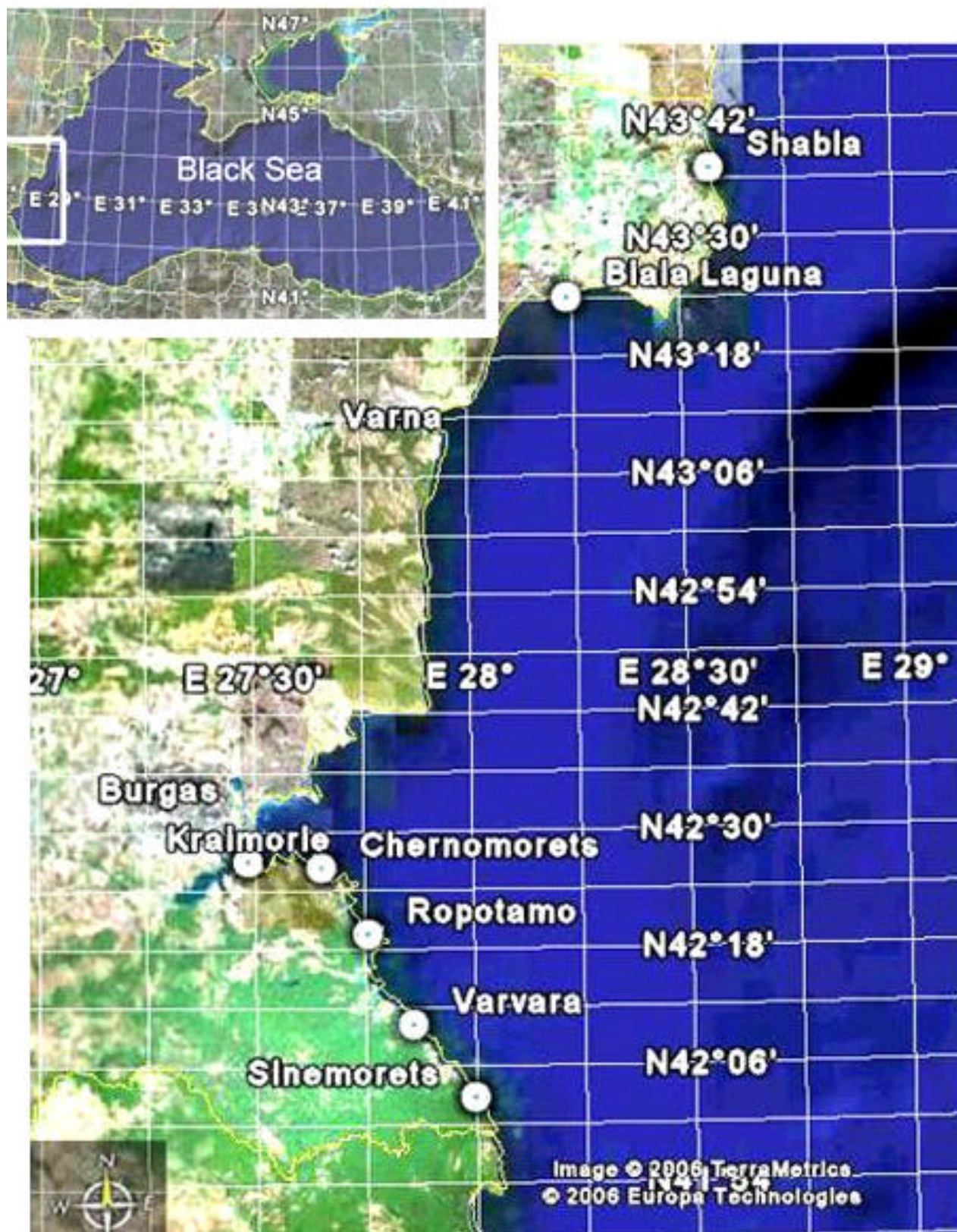


Figure 18: Alternative sampling sites macrophytes

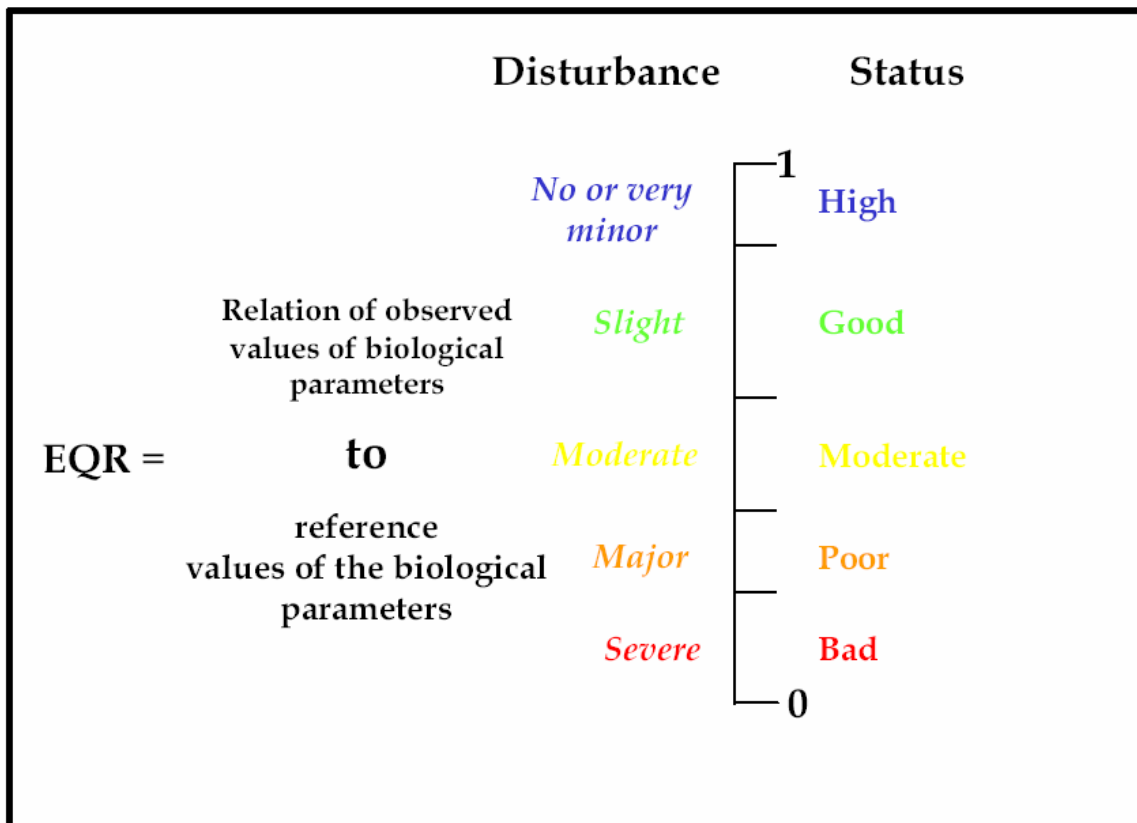


Figure 19: Ecological Quality Ratio (EQR)

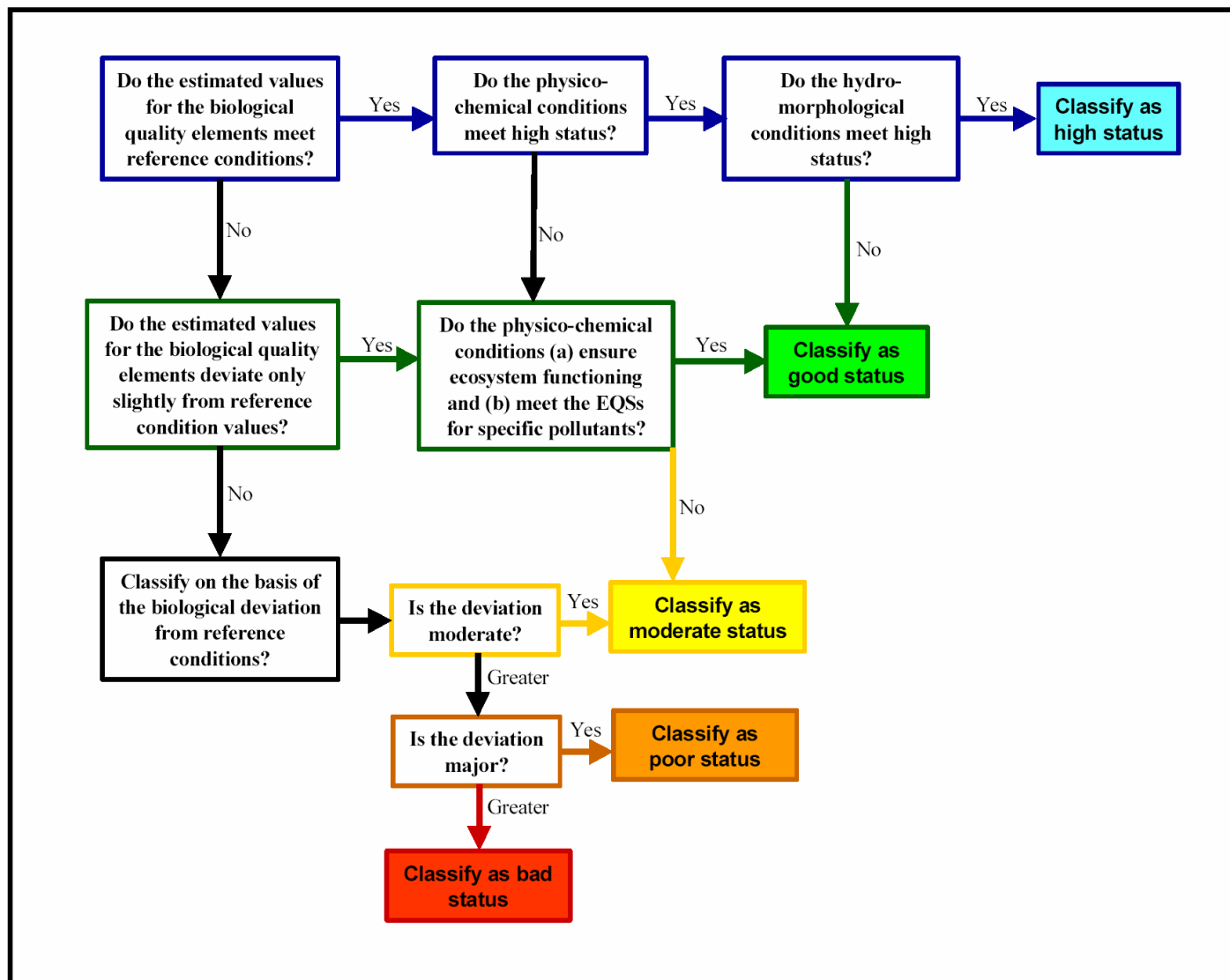


Figure 20: Coastal water status classification scheme

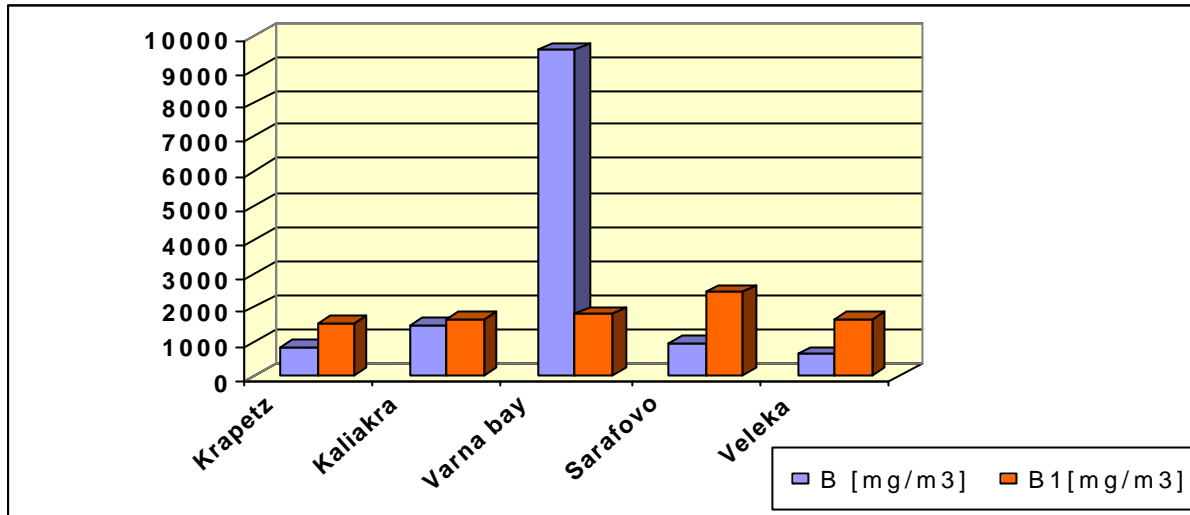


Figure 21: Distribution of average summer phytoplankton biomass (mg/m³) (B: period 2000-2006); B1: July 2006)

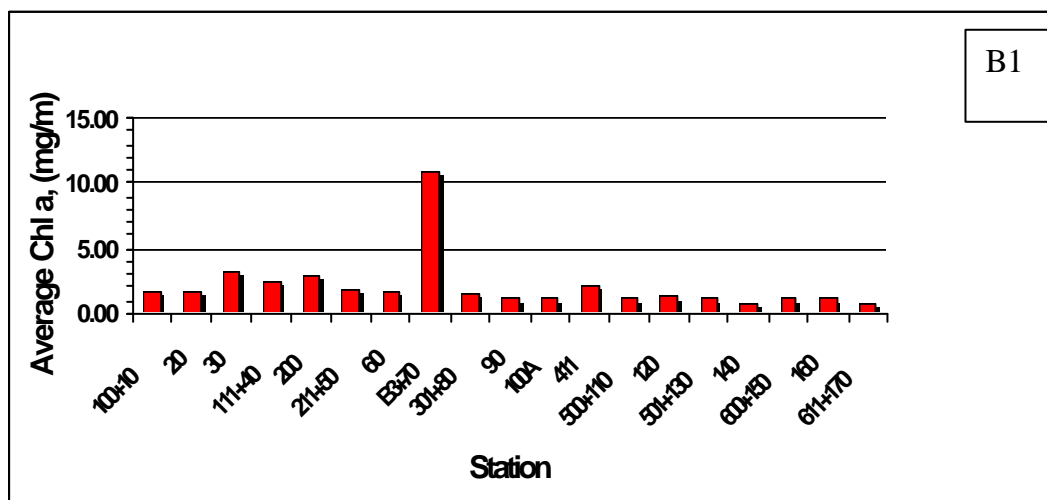
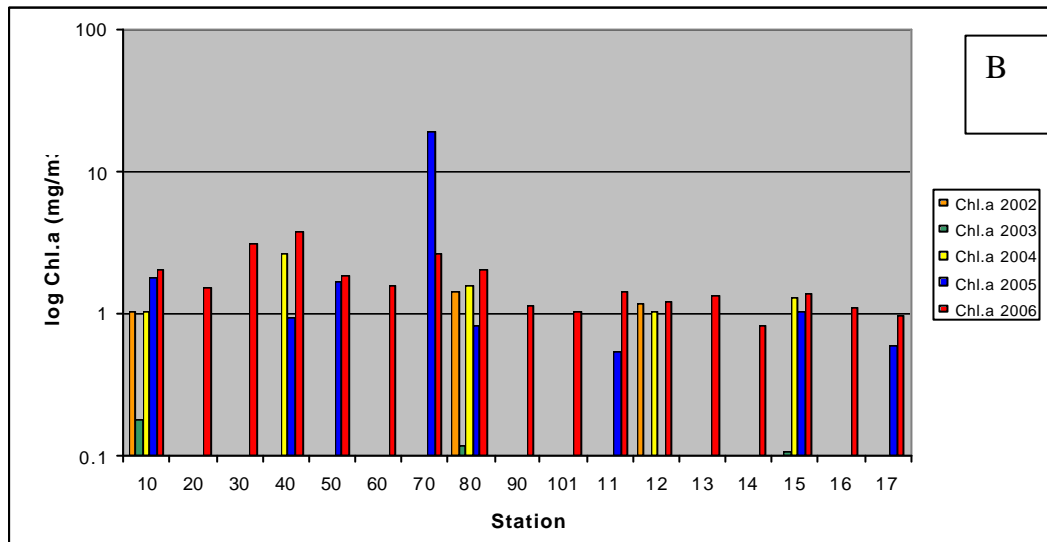


Figure 22: Distribution of average summer phytoplankton chlorophyll a (mg/m³) (B): period 2000-2006); B1: July 2006)

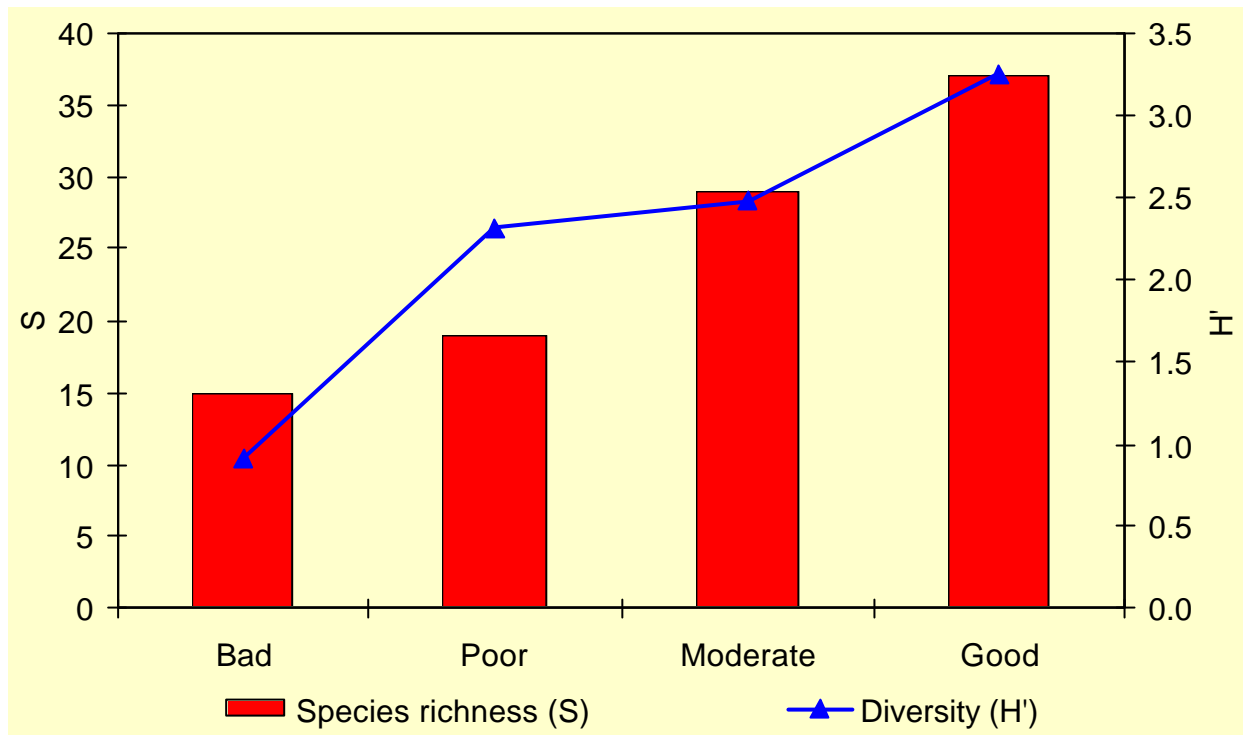


Figure 23: Values of species richness (S) and diversity index (H') per ecological class

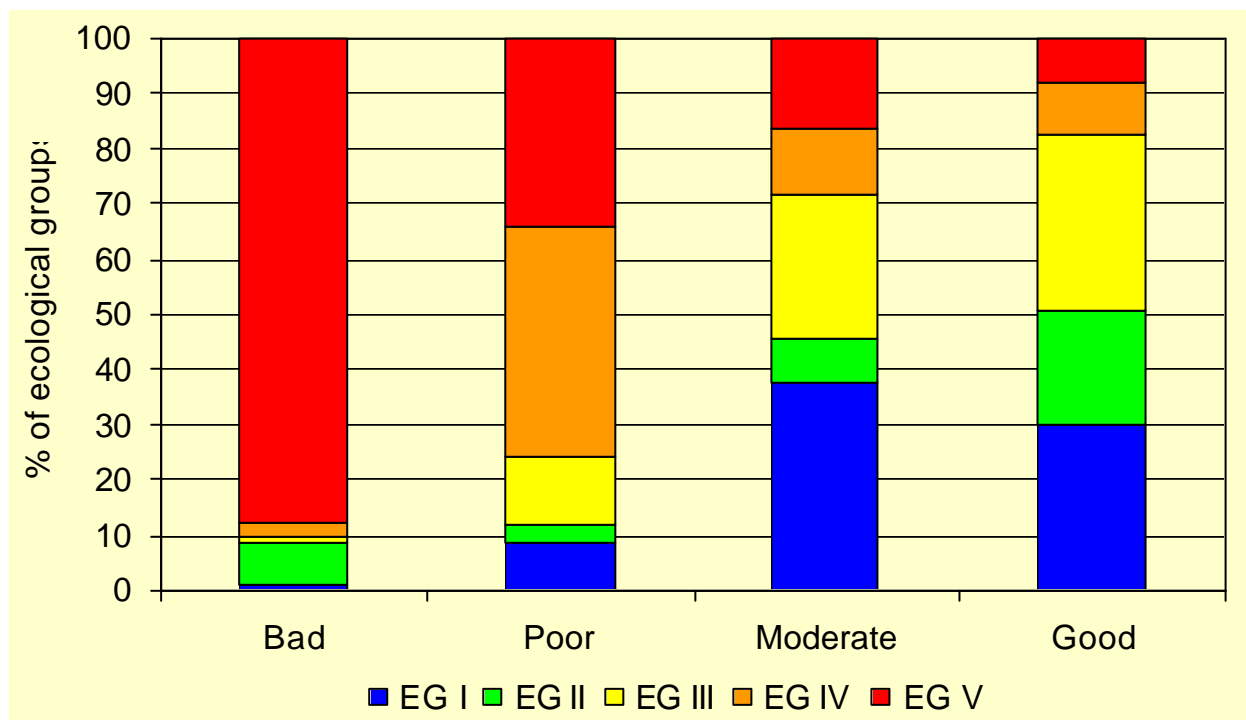


Figure 24: Percentage share of sensitive (EG I), indifferent (EG II) and tolerant (EG III) to pollution taxa, second (EG IV) and first order (EG V) opportunists per status class

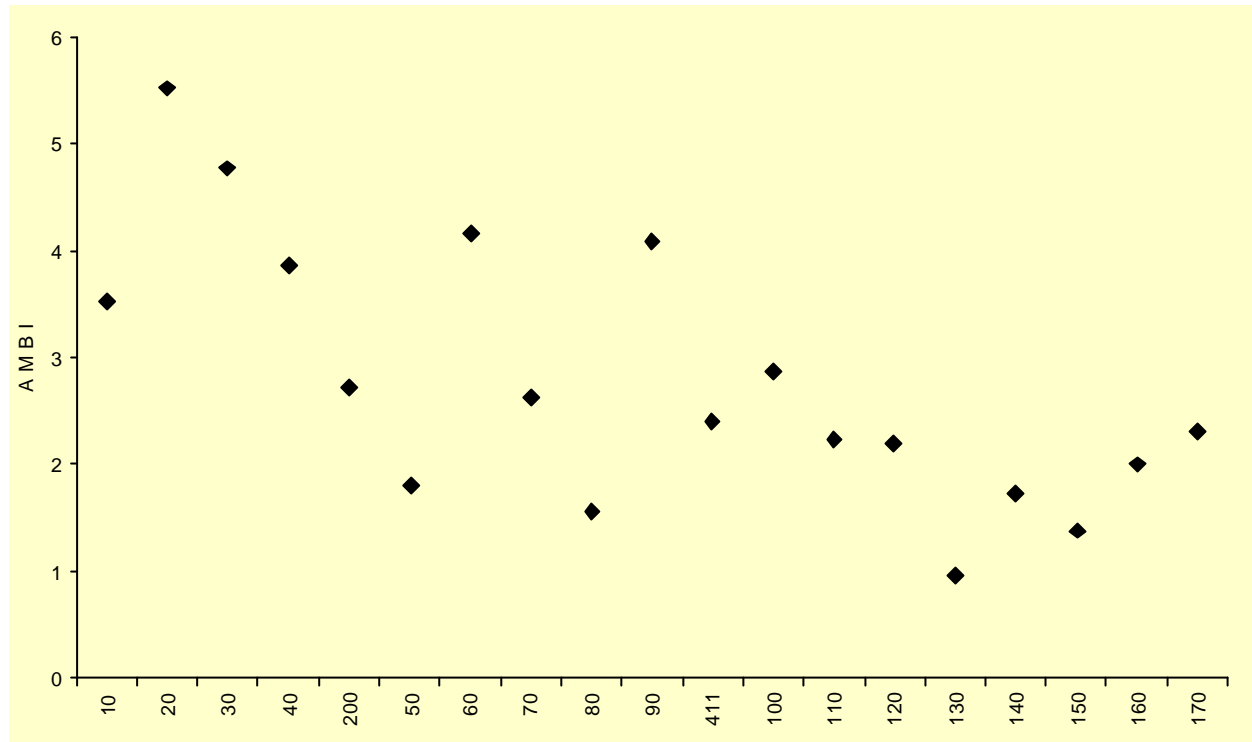


Figure 25: Classification of the ecological status of Black Sea coastal waters according to the values of AMBI

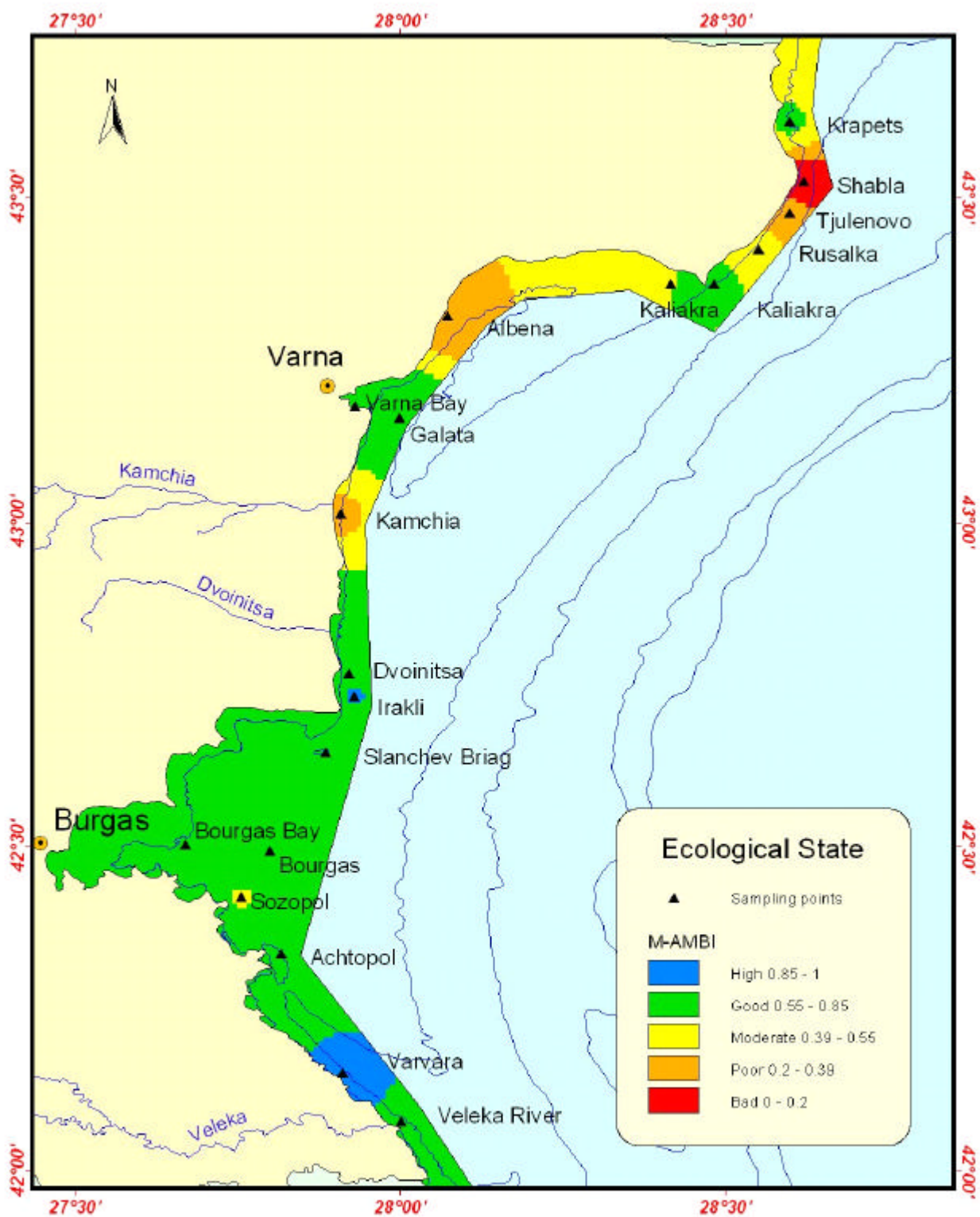


Figure 26: Classification of the ecological status of Black sea coastal waters according to the values of M-AMBI

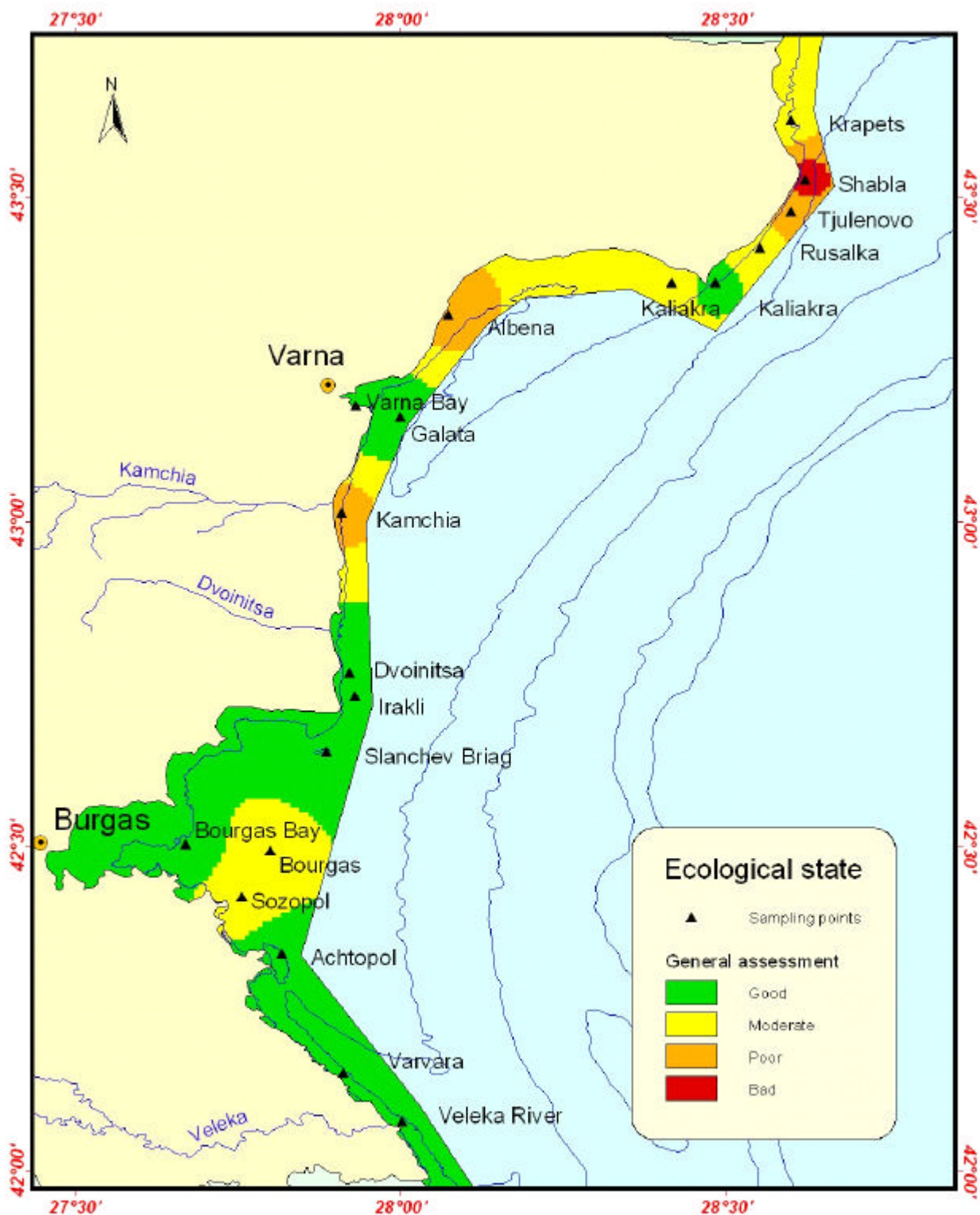


Figure 27: Classification of the ecological status per station

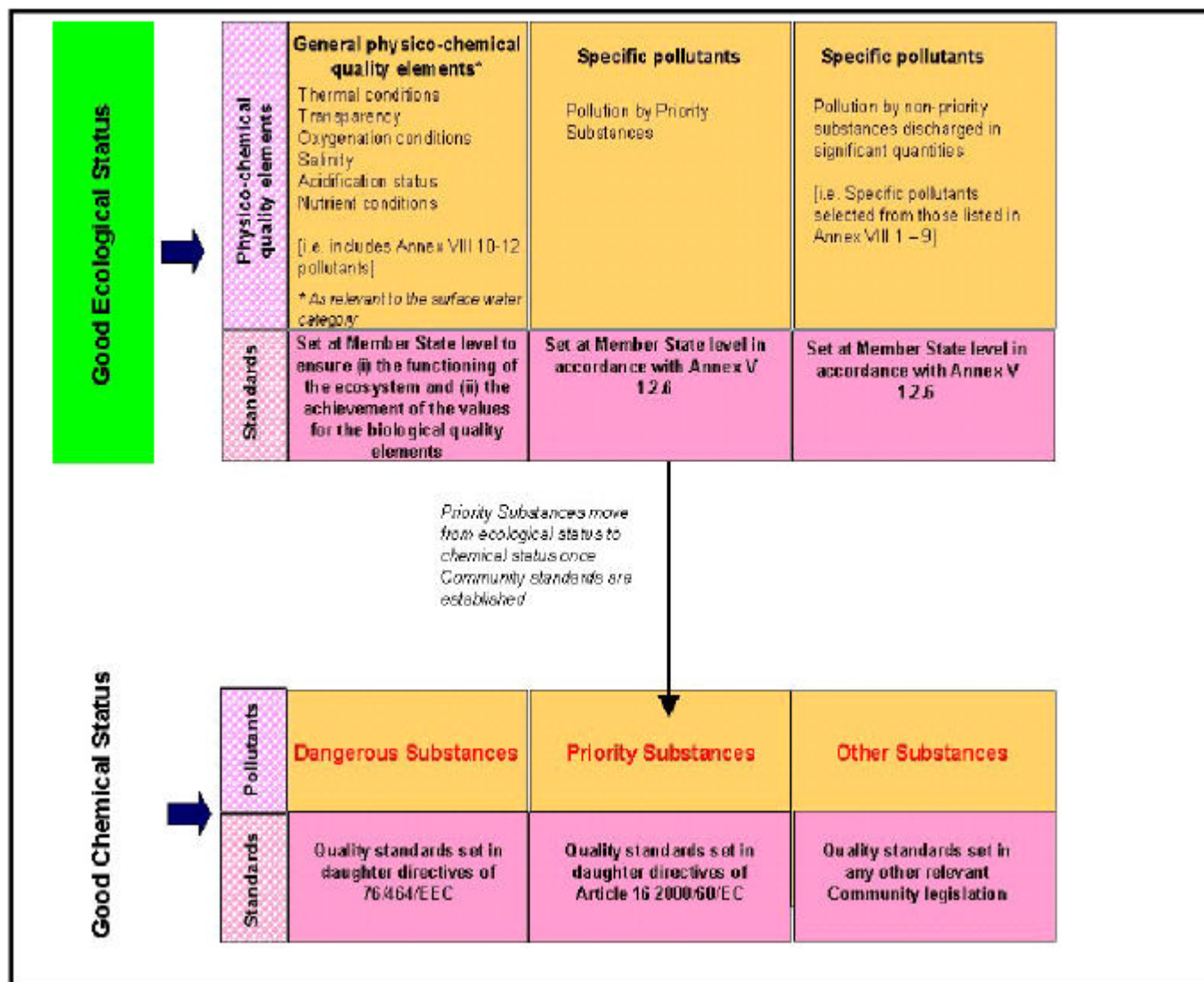


Figure 28: Relationship between good ecological status and good chemical status