SPECIAL SECRETARIAT FOR WATER

MINISTRY OF ENVIRONMENT & ENERGY

# 1st Update of River Basin Management Plans

## River Basin District of

## Thrace (EL12)

### Summary

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**DEVELOPMENT OF 1st UPDATE OF RIVER BASIN MANAGEMENT PLANS FOR THE 14 WATER DISTRICTS OF GREECE, IN ACCORDANCE WITH THE DIRECTIVE 2000/60/EC, THE LAW 3199/2003 AND THE P.D. 51/2007 - STUDY M.5: "RIVER BASIN DISTRICTOF EASTERNMACEDONIA (EL11) ANDRIVER BASIN DISTRICTOF THRACE (EL12)"**

**JOINT VENTURE: "1st UPDATE OF RIVER BASIN MANAGEMENT PLANS FOR THE WATER DISTRICTS OF EASTERN MACEDONIA (EL11) AND THRACE (EL12)"**

- Z&A P. ANTONAROPOULOS AND ASSOCIATES S.A.
- NERCO – N. CHLYKAS AND ASSOCIATES S.A.
- GEORGIOS GIANNELIS
- KONSTANTINOS PAGONIS

**RIVER BASIN DISTRICTOF THRACE (EL12)**

**Summary of 1st Update of River Basin Management Plans – English**

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## ABBREVIATIONS/ACRONYMS

| | |
|---|---|
| RBD | River Basin District |
| RB | River Basin |
| WB | Water body/bodies |
| SWB | Surface Water Body/bodies |
| GWB | Groundwater Body/bodies |
| HMWB | Heavily Modified Water Body/ bodies |
| AWB | Artificial Water Body/bodies |
| RBMP | River Basin Management Plan |
| GOLR | General Organization of Land Reclamation |
| LOLR | Local Organization of Land Reclamation |
| MEWSS | Municipal Enterprise for Water Supply and Sewerage |
| WFD | Water Framework Directive |
| JMD (MD) | Joint Ministerial Decision (Ministerial Decision) |
| PD | Presidential Degree |
| EC | European Council |
| EEC | European Economic Community |
| EU | European Union |

# 1 INTRODUCTION – DEVELOPMENT OF 1ST UPDATE OF RIVER BASIN MANAGEMENT PLAN

## 1.1 Introduction

Since the beginning of 2000, the European Union has had a new policy on water resource management. The basic tool for promoting the new policy is the Water Framework Directive 2000/60/EC.

The harmonization of the Greek legislation with the Water Framework Directive 2000/60/EC was done with the Law 3199/2003 (Government GazetteA' 280) and the PD 51/2007 (Government Gazette A' 54).

Priority and necessary steps for the implementation of the *Directive* in our country was the development of the River Basin Management Plans of the country's 14 Water Districts (WD) as established by the Decision No. 706/2010 of the National Water Committee (Government Gazettes 1383/B΄/02-09-2010 and 1572/B΄/28-09-2010 that corrects Annex II), and as it applies after the approval of the country's RBMPs.

The River Basin Management Plans (RBMPs) are revised and updated every six years. The first approved RBMPs relate to the 1st Management Cycle (2009-2015) and are valid until their Update. The RBMP's to be established by the 1st Update of the RBMPs concern the 2nd Management Cycle (2016-2021) and are valid until their Update.

The 1st RBMP of the River Basin District of Thrace (EL12) was approved by the Decision No. 1006/4.9.2013 (Government Gazette 2290/B/13.9.2013) of the National Water Committee.

In November 2015, the Special Secretariat for Water (SSW) of the Ministry of Environment and Energy was invited to open an international tender for awarding the study "Development of 1st Update of River Basin Management Plans for the 14 Water Districts of Greece, in accordance with the Directive 2000/60/EC, the Law 3199/2003 and the P.D. 51/2007. – Study M.5: River Basin District of Eastern Macedonia (EL11) and River Basin District of Thrace (EL12)".

Further to the tender, the contract 20-01-2017 was assigned by the Special Secretariat of Water to prepare the above study in the Joint Venture with the name **"J/V of the 1st Update of River Basin Management Plans for the Water Districts of Eastern Macedonia (EL11) and Thrace (EL12)"**.

## 1.2 Development of 1st Update of River Basin Management Plan

In the framework of the 1st Update of River Basin Management Plan, the following actions are undertaken:

- Update of the identification and characterization of surface (river, lake, transitional and coastal) and groundwater bodies.
- Review and update of the standardized reporting conditions and assessment/classification of the status/potential of surface water bodies (ecological and chemical status), including highly modified and artificial water bodies, and groundwater bodies (quantitative and qualitative status), based on new data available from the operation of the National Water Monitoring Network.
- Re-evaluation of the surface water bodies with significant hydromorphological modifications in order to determine those that are highly modified (HMWB) and artificial (AWB).
- Update of the list of significant pressures, as included in the approved Management Plans, and their impacts.

- Update of the Register of Protected Areas, based on new data that have resulted from the implementation of relevant EU Directives.
- Review of environmental objectives for all surface and groundwater bodies, including highly modified and artificial.
- Assessment of the progress in relation to the achievement of the environmental objectives of the Directive, as set out in the first Management Plan.
- Revision of the Program of Basic and Supplementary Measures for the protection and rehabilitation of the water resources of each RBD, as contained in the approved/first Management Plan, in accordance with article 11 and Annex VI of Directive 2000/60/EC (article 12 and Annex III of PD 51/2007).
- Update of the economic analysis of water uses (including cost estimation with expected new EU guidelines), taking into account the Joint Ministerial Decision 135275/22.05.2017 (Government Gazette 1751 B') and based on the most recent data from relevant water services.
- Recording of the transboundary partnerships so far and promotion of the implementation of joint or compatible Management Plans in transboundary river basins, in line with the SSW guidelines.
- Revision of the Strategic Environmental Impact Assessment (SEIA) to identify, describe and assess the environmental impacts of the implementation of the aforementioned Program of Measures and the Management Plan.
- Informing the public and promoting its active participation, as well as publicizing the Management Plan, six months before their completion, in accordance with article 14 of Directive 2000/60/EC and article 15 of PD 51/2007.
- Covering the country's reporting and other obligations in the EU on the Management Plans, including the WISE (Water Information System for Europe) electronic system, according to the standards established by the European Environmental Agency (EEA).

The impacts of implementing the Management Plan can only be positive, at a time when the country's water resources face increasing pressures. The implementation will provide the basis for supporting a sustainable water management policy that will lead to effective protection and rational use of our valuable water resources.

## 1.3 Public Consultation

### 1.3.1 Consultation procedure

The Public Consultation process is a requirement of Directive 2000/60/EC and has a fundamental role in the drafting, reading and updating of the Management Plan. All important issues should be discussed with stakeholders, competent authorities and general public through appropriate consultation and participatory actions.

The Consultation process of the 1st Update of RBMP lasted from November 2015 to December 2017 and included the following:

- **Phase A:** In November 2015, the planned activities of the 1st Update of RBMP, as well as the detailed timetable of those, were posted on the website of the Ministry of Environment and Energy (www.ypeka.gr) for informing the public.
- **Phase B:** In June 2016, information on the significant water management issues in each RBD, were posted on the website of the Ministry of Environment and Energy, that included the results of the National Water Monitoring Network for the RBD, the main pressures, and the definition

and recording of the competent authorities and bodies involved in the consultation. Also, in December 2016, the basic common methodologies for the classification of water bodies status, the assessment of pressures and impacts including hydromorphological pressures, the identification of highly modified water bodies and the definition of the exemptions of article 4 of Directive 2000/60/EC, were posted on the website.

- **Phase C:** In June 2017, the Preliminary Draft of the 1st Update of RBMP, as well as a related questionnaire, were posted on the website of the Special Secretariat for Waters (http://wfdver.ypeka.gr). This phase included the public consultation of the Strategic Environmental Impact Assessment (SEIA).

**The Public Consultation was completed on 15 December 2017.**

For Public Consultation purposes, through the website of the Special Secretariat for Waters (http://wfdver.ypeka.gr), the opportunity to submit comments or complete the consultation questionnaire was given.

In addition, during the consultation, it was possible to intervene in the preparation of the 1st Update of RBMP by email, fax or post, with the aimof tabling different views and providing information.

In order to encourage the active involvement of stakeholders as well as the public during the 1st Update process, the following were implemented:

- Working meetings between the Special Secretariat for Waters, contractors and stakeholders (Ministries, Decentralized Administration, Prefectures and other local bodies), in order to exchange data and views.
- Special working meetings with the relevant Water Directorates for the preparation of both the preliminary RBMP and the Program of Measures.
- An Open Conference was organized by the Special Secretariat for Waters with the assistance of the Decentralized Administration, in Serres on 19-10-2017 on the topic of *"Consultation of the 1st Update of the River Basin Management Plan of Thrace RBD (EL12) with the aim of informing the public and the bodies of the RBD"*. It is noted that this conference was organized within the framework of the two-day public information for both the River Basin Management Plan and the Flood Risk Management Plan.

Finally, it is noted that the SEIA consultation process was carried out in the same time with the public consultation for the RBMP, which contributed significantly to the formulation of the final Management Plan.

### 1.3.2 Consultation results

In total, **124 people participated in the conference, 13 interventions were performed and 17 questionnaires were completed.** Also, at a later date, 2 comments and observations from operators and 1 completed questionnaire were sent in writing. Finally, 2 emails were sent and no comment was posted on the Special Secretariat for Waters website.

The main conclusions are the following:

- Satisfactory participation of Public Administration bodies.
- Poor participation of citizens and Non-Governmental Organizations (NGOs).
- High environmental sensitivity for water resources.
- The consultation process has been successful since it has highlighted all the issues/problems/ shortcomings that have emerged in the implementation of the first RBMP, demonstrated the need for revision and eventually contributed to the final formulation of the 1st Update of the RBMP of Thrace RBD (EL12).

In summary, the changes/completions/additions included in the Management Plan, as a result of the public consultation, concern the following:

- Update of the data presented in the Management Plan on the basis of the information provided and/or indications raised during the consultation. These data mainly concern issues related to water abstraction in the RBD, but also data on water uses, water abstraction points, actions implemented within the framework of the approved Management Plans etc.
- The redefinition of Grounwater Bodies “Drosinio” (EL120B100) and “Orestiada” (EL12BT010), while minor corrections were made to the limits of GWB “Xanthi - Komotini”(EL1200050), “Nestos Delta” (EL1200060), “Samothraki” (EL1200170) and “Samothraki – Xiropotamos” (EL1200180).
- Reform of the final Program of Measures, which includes:
  - The recasting of specific measures regarding the specification/specialization of restrictions and actions defined there in.
  - The correction of the implementing bodies of the measures.
  - Differentiation in the description of certain measures to include actions already planned by implementing bodies and/or available financial instruments.
  - The introduction of targeted supplementary measures to achieve specific and locally important management objectives, enhance existing knowledge and improve environmental and water conditions. Indicatively, for Thrace RBD, the inclusion of a measure for delimitation of parts of groundwater bodies that are qualitatively burdened by their natural background, as well as a multitude of measures to rebuild and better manage the numerous wetlands of the RBD.

# 2 DIFFERENCES COMPARED TO THE 1ST RIVER BASIN MANAGEMENT PLAN

## 2.1 Main differences compared to the 1st Management Plan

The development of the 1st Update of River Basin Management Plans includes significant changes and improvements compared to the 1st Management Plan. Particularly:

- The classification of the ecological and chemical status is based on the available data of the National Water Monitoring Network for 2012-2015 period.
- Takes into account the results of actions that have been implemented so far in the context of increasing knowledge of water status and the pressures it receives, as well as the actions implemented to fill in the gaps identified in the 1st Management Plan.
- Takes into account the new requirements arising from the EU Directive 2000/60/EC Guidance Documents.
- Takes into account the results of the European Commission's Special Report on the Evaluation of Management Plans which was implemented as part of the European Parliament's briefing on the implementation of the *Directive* and is available on the EU's website.
- Takes into account the new analytical methodologies for critical aspects of the implementation of Directive 2000/60/EC:
  - Analysis of anthropogenic pressures and their impacts on surface and underground water systems.
  - Determination and criteria for assessment of hydromorphological alterations.
  - Determination of Heavily Modified (HMWB) and Artificial (AWB) Water Bodies.
  - Determination of the "exemptions" to the achievement of the environmental objectives of Directive 2000/60/EC:
    - Identification of the "exemptions" of paragraphs 4 to 6 of Article 4 of Directive 2000/60/EC (4.4 - 4.6).
    - Identification of the "exemptions" of paragraph 7 of Article 4 of Directive 2000/60/EC (4.7) on new modifications..
  - Assessment (classification) of Surface Water Bodies status:
    - Assessment of the ecological and chemical status of river water bodies.
    - Assessment of the ecological and chemical status of lake water systems.
    - Assessment of the ecological and chemical status of coastal and transitional water bodies.
- Takes into account the new analytical national assessment methodologies for individual Biological Quality Elements (BQEs), for each surface water body category that has been approved by the EU in the context of the intercalibration exercise at European level. These methodologies concern the following:
  - Analytical methodologies for the assessment of biological quality elements in rivers.
  - Analytical methodologies for the assessment of biological quality elements in lakes.
  - Analytical methodologies for the assessment of biological quality elements in coastal and transitional water bodies.

- The 1st Update is being drawn up at the same time as the Flood Risk Management Plans pursuant to Directive 2007/60/EC and synergy of actions and program of measures has been accomplished.
- The 1st Update is also being drawn up at the same time as the programs of measures for the achievement of the good environmental status of the marine waters of the country in accordance to Directive 2008/56/EC and has achieved synergy of actions and program of measures.
- The 1st Update takes into account the National Strategy for Adaptation to Climate Change and incorporates into the program of measures sub-actions of the National Strategy for Adaptation to Climate Change.
- The 1st Update is being carried out simultaneously for the 14 River Basin Districts of the country and homogeneity has been achieved in the individual methodologies and the proposed programs of measures (basic and supplementary).

## 2.2 Recording the main differences

The following table summarizes the differences identified in each individual subject, between the 1st RBMP and the 1st Update of RBMP.

*Table 2-1: Differences in the 1st Update of the RBMP in relation to the 1st Management Plan*

| SUBJECT OF UPDATED RBMP | DIFFERENCE IN RELATION TO THE 1ST RBMP | SUMMARY OF THE RESULTS |
|---|---|---|
| **COMPETENT AUTHORITIES** | The Competent Authorities aren't differentiated in relation to the 1st RBMP. Int he 1st Update of RBMP, the inventory of the main authorities/ stakeholders involved in the Water Management as outlined in the existing institutional framework is rationalized and presented in accordance with the requirements of the new EU Guidance Document for submission of data (GD Reporting 2016). | The authorities and bodies involved in water management, as well as their responsibilities and roles in the preparation and implementation of Directive 2000/60/EC, are presented in a schematic and understandable way.<br>The results are summarized in Chapter 3.4 of the RBMP, and in detail in the analytical documentation "Designation and registration of competent authorities and determination of the area of their competence". |
| **DEFINITION OF SURFACE WATER BODIES – TYPOLOGY** | During the 1st Update, a new typology is being developed for rivers and lakes. Also, the reservoirs are now declared as Heavily Modified Water Bodies, but their standardization and evaluation are made with the elements and tools that are used for the lakes, as lakes are the class of natural surface water bodies to which they are the most similar.<br>Based on the above, the number of the surface water bodies is reviewed.<br>It is also noted that during the 1st Update the WB Codes are reshaped. The "GR" at the beginning of the codes becomes "EL" for compatibility reasons with the EU databases. | In the Thrace WD, there are differentiations in the number of water bodies compared to the 1st RBMP. The differentiations refer to river water bodies that either have been consolidated or have been corrected, as well as reservoirs whose code has been changed to reflect their characterization as heavily modified river water bodies. These differentiations practically don't affect the classification methodology of their status.<br>In particular, in the 1st RBMP there were two hundred and ten (210) surface water bodies identified. However, in the 1st Update, twenty three (23) river water bodies were consolidated in pairs to eleven (11), resulting in a total of one hundred ninety nine (199) surface water bodies, while a correction was made in one (1) river.<br>At the same time, it was considered necessary to change the characterization and typology process in rivers and lakes (including reservoirs).<br>There were no changes in the determination of the transitional and coastal water bodies.<br>The results are summarized in Chapter 4.1 of the RBMP, and in detail in the analytical documentation "Characterization, typology, typo-characteristic conditions and assessment/classification of the status of all surface water bodies". |
| **DEFINITION OF GROUNDWATER BODIES** | The number of the GWBs and their limits are re-evaluated on the basis of newer data obtained from the Monitoring Network, specific studies that have been implemented since the approval of the 1st RBMP to date and observations submitted during public consultation.<br>It is also noted that during the 1st Update the GWB Codes are reshaped. The "GR" at the beginning of the codes becomes "EL" for compatibility reasons with the EU databases. | In the Thrace WD, there are differentiations in the definition of groundwater bodies compared to the 1st RBMP. The "Drosinio" (EL120B100) and "Orestiada" (EL12BT010) GWBs were redefined, while small adjustments were made in the boundaries of "Xanthi-Komotini" (EL1200050), "Nestos Delta" (EL1200060), "Samothraki" (EL1200170) and "Samothraki-Xiropotamos" (EL1200180).<br>The results are summarized in Chapter 4.2 of the RBMP, and in detail in the analytical documentation "Characterization and assessment/classification of the status of groundwater bodies". |

| SUBJECT OF UPDATED RBMP | DIFFERENCE IN RELATION TO THE 1ST RBMP | SUMMARY OF THE RESULTS |
|---|---|---|
| **HEAVILY MODIFIED (HMWB) AND ARTIFICIAL (AWB) WATER BODIES** | The Heavily Modified (HMWB) and Artificial (AWB) Water Bodies that were defined in the 1st RBMP, are reviewed in accordance with the new methodology established (see above in chapter 2.1) and the Monitoring Network data. | The implementation of the new methodology for the Initial and Definitive Identification of HMWB and AWB, slightly differentiated the number of HMWB and AWB that were defined as such in the 1st RBMP.<br>Four (4) river water bodies that were defined as AWB in the 1st RBMP, arenow defined as HMWB, while one (1) river water body that was defined as HMWB in the 1st RBMP is now correctly defined as natural water body, based on the results of the Monitoring Network and the implementation of the new methodology of determination.<br>The results are summarized in Chapter 4.3 of the RBMP, and in detail in the analytical documentation "Determination of Heavily Modified (HMWB) and Artificial (AWB) Water Bodies". |
| **PROTECTED AREAS** | The Register of Protected Areas, which was formed in the 1st RBMP, is re-examined and updated, due to:<br>• The new Natura 2000 sites proposed by the Ministry of Environment and Energy, on the basis of the provisions of the Birds Directive 2009/147/EC and the Habitats Directive 92/43/EEC.<br>• The results of the Monitoring of the Bathing Water Directive 2006/7/EC.<br>• Other Directives on water protection with stricter targets such as: the Drinking Water Directive (80/778/EEC, as amended by Directive 98/83/EC), the Directive 2006/113/EC about shellfish, the Directive 2006/44/EC about freshwater fish, the Directive 91/676/EEC concerning the protection of the environment by nitrate pollution and the Directive 91/271/EEC about sensitive SWBs due to urban waste water treatment.<br>• Newer data emerged from the adoption of the 1st RBMP and the relevant EU Guidance Documents. | The surface and groundwater bodies that are associated with protected areas are declared.<br>In the 1st Update, from eighteen (18) GWBs that were included in the Register of Protected Areas due to the pumping of water intended for human consumption, the three (3) GWBs which are karst aquifers remained.<br>At the same time, one (1) area designated for the protection of aquatic species of economic importance was added (due to the start of operation of an aquaculture), while one (1) area designated for the protection of aquatic species of economic importance was removed (due to the closure of operation of an aquaculture). Four (4) new bathing waters were added. Finally, eight (8) Small Island Wetlands were incuded in the Register of Protected Areas, as areas for the protection of birds and habitats.<br>The other areas are not differentiated from the 1st RBMP.<br>The results are summarized in Chapter 4.4 of the RBMP, and in detail in the analytical documentation "Update of Register of Protected Areas" |
| **PRESSURES AND IMPACTS** | In the 1st Update, the assessment of pressures and impacts is carried out on the basis of the new common methodology developed and the newer elements that emerged from the adoption of the 1st RBMP.<br>Significant differentiation is the assessment of the pressures on hydromorphological characteristics of the water bodies. A specific, more analytical methodological approach has been developed. | In the Thrace WD, the methodological approaches followed in the 1st RBMP are largely similar to those of the 1st Update.<br>The resulting differentiations derive mainly from the newer data available, concerning the fuller picture of cultivated land, the installation of new activities and plants and the better mapping of the activities in the WD.<br>The pressures and estimated loads from each pressure are linked to individual surface water bodies (in a sub-basin level) to optimize |

| SUBJECT OF UPDATED RBMP | DIFFERENCE IN RELATION TO THE 1ST RBMP | SUMMARY OF THE RESULTS |
|---|---|---|
| | | the linking of the proposed measures with them.<br>As far as the pressures on the hydro-morphological characteristics of the water bodies, are more fully evaluated and exploited to determine preliminarily the WD's heavily modified water bodies (HMWB).<br>TheresultsaresummarizedinChapter5 of the RBMP, and in detail in the analytical documentation "Analysis of anthropogenic pressures and their impacts on surface and underground water systems". |
| **CLASSIFICATIONOFSURFACEWATERBODIESSTATUS** | During the 1st Update, the status classification of SWBs is based: (a) on the new methodological approaches developed by the National Scientific Committee of the Special Secretariat of Water (SSW) for the determination of the ecological status classification methods of all SWB categories and approved by the EU and (b) the available data of the National Water Monitoring Network.<br>For the SWBs that are not monitored, their status classification is done by grouping based on their typology and estimated pressures. | The 1st Update includes a fuller and more credible mapping of the status of surface water bodies. The most important result of the applied methodological approach is the significant reduction of the surface water bodies with "unknown" status.<br>The results are summarized in Chapter 6.1 of the RBMP, and in detail in the analytical documentation "Characterization, typology, typo-characteristic conditions and assessment/classification of the status of all surface water bodies". |
| **CLASSIFICATIONOFGROUNDWATERBODIESSTATUS** | The methodology for classifying the status of the GWBs is not different from the 1st RBMP.<br>The classification of the GWBs is based on the newest data of the Monitoring Network. | The 1st Update includes an outline of groundwater bodies status on the basis of the latest monitoring data.<br>The results are summarized in Chapter 6.2 of the RBMP, and in detail in the analytical documentation "Characterization and assessment/classification of the status of groundwater bodies". |
| **NETWORK FOR WATER STATUS MONITORING** | The 1st Update, in relation to the 1st RBMP, includes the results of the National Water Monitoring Network with a large number of samples for the period 2012-2015, for almost all biological quality elements (BQEs), the physico-chemical and chemical quality elements as well as the hydromorphological quality elements of the SWBs.<br>It also includes measurements of both the qualitative and the quantitative status of GWBs. | Tha available data of the National Water Monitoring Network used are summarized in Chapter 6.3 of the RBMP, and in detail in the analytical documentations "Characterization, typology, typo-characteristic conditions and assessment/classification of the status of all surface water bodies" and "Characterization and assessment/classification of the status of groundwater bodies", for the surface and groundwater bodies respectively. |
| **ECONOMIC ANALYSIS OF WATER USE** | For the economic analysis of water use, the provisions of the new Joint Ministerial Decision 135275/22.05.17 "Adoption of general rules for costing and pricing of water services. Method and procedures for recovering the cost of water services in its various uses" is followed, as well as the methodological tools resulting from the work "Technical support and support of the SSW on organization, management and costing of water services" of the SSW. | The results are summarized in Chapter7 of the RBMP, and in detail in the analytical documentation "Economic analysis of water uses and determination of the existing level of cost recovery for water services (water supply, irrigation and drainage)". |

| SUBJECT OF UPDATED RBMP | DIFFERENCE IN RELATION TO THE 1ST RBMP | SUMMARY OF THE RESULTS |
|---|---|---|
| **ENVIRONMENTAL OBJECTIVES – EXEMPTIONS** | During the 1st Update, the setting of the environmental targets and exemptions is based on new methodological approaches developed in line with the EU guidelines (seeaboveinChapter 2.1). | The results are summarized in Chapter 8 of the RBMP, and in detail in the analytical documentation "Definition of environmental objectives, including the exemptions from the achievement of the objectives, and a list of planned and new projects/activities/modifications". |
| **PROGRAM OF MEASURES** | The Program of Measures as set out in the 1st Update of RBMP includes the following new approaches in relation to the 1st Management Plan:<br>▪ The specialization/rewording of measures of the 1st RBMP that continue in this Management Plan.<br>▪ Developing new measures to address the pressures of the water bodies and the achievement of the objectives (targets) set.<br>▪ The correlation of the measures with specific significant pressures identified in the Water District.<br>▪ The correlation of measures with Key Categories of Measures, as defined by the EU and specific indicators to monitor their progress.<br>▪ The correlation of measures with national actions to adapt to climate change, as defined in the National Climate Change Adaptation Strategy (Ministry of Environment and Energy, 2016). | The new Program of Measures issummarizedinChapter9 of the RBMP, and in detail in the analytical documentation "Basic and Supplementary Measures for the protection and rehabilitation of water bodies, including their cost analysis in relation to their efficiency and specific implementation monitoring forms". |

# 3 THRACE RIVER BASIN DISTRICT

## 3.1 River basins

Thrace River Basin District (EL12) is one of the fourteen water districts in which the country was divided by Law 1739/1987 (Government Gazette 201/A/1987).

Thrace River Basin District consists of five main hydrological river basins: **Nestos RB (EL1207), Xanthis – Xirorematos Streams RB (EL1208), Komotinis – Loutrou Evrou Streams RB (EL1209), Evros RB(EL1210) and Thasos - Samothraki RB (EL1242)**.

The boundaries of the main hydrological basins are defined by the following ranges:

**RB Nestos**: West-Southwest: Mount Falakro. North: West Rodopi Mountains, Borders with Bulgaria. East-Northeast: Mount Koula. South: West Gulf of Kavala, Northern coasts of Thasos Chanel.

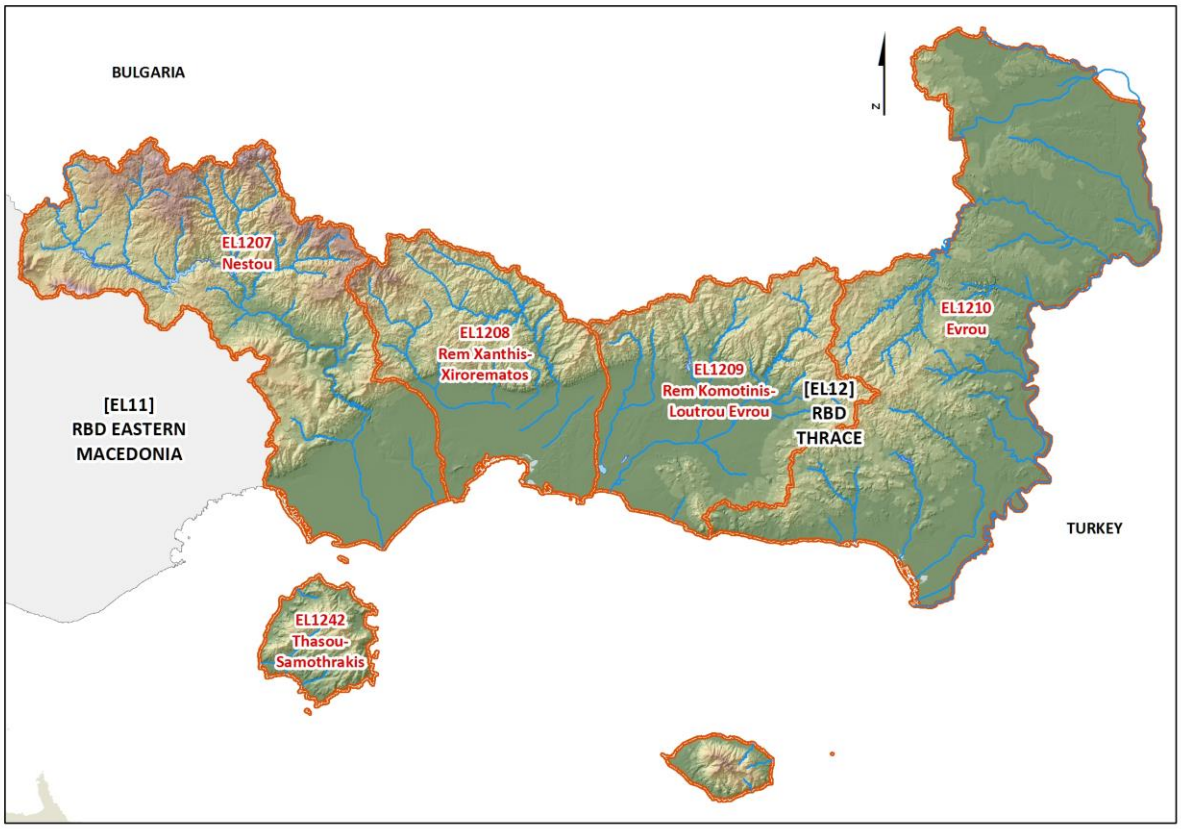
**RB Xanthis – Xirorematos Streams**: West-Northwest: Mount Koula. North: Mountains between Koula and Papikio, Borders with Bulgaria. East: Mount Papikio. South: Vistonikos Gulf, Western coasts of Thracian Sea.

**RB Komotinis – Loutrou Evrou Streams**: West-Northwest: Mount Papikio. North: East Rodopi Mountains, Borders with Bulgaria. East: Mount Papikio. South: Central coasts of Thracian Sea.

**RB Evros**: West: East Rodopi Mountains, Borders with Bulgaria. North: Borders with Bulgaria and Turkey. East: Transboundary River Evros, Borders with Turkey. South: Eastern coasts of Thracian Sea, Evros estuaries.

**RB Thasos –Samothraki**: Islands of Thasos and Samothraki.

*Figure 3-1: River Basin District of Thrace (EL12)*



The River Basins (RB) constituting the River Basin District of Thrace (EL12), according to the decision of the National Water Committee, no. 706/2010 (Government Gazette 1383/B/2-9-10), is presented in the Table below.

*Table 3-1: River Basins of Thrace River Basin District (EL12)*

| River Basin | Code | Area ($km^2$) | Altitude (m) | | |
|---|---|---|---|---|---|
| | | | Average | Maximum | Minimum |
| **NESTOS** | **EL1207** | 2.975,5 | 606 | 2.200 | 0 |
| **XANTHIS – XIROREMATOS STREAMS** | **EL1208** | 1.662,6 | 363 | 1.822 | 0 |
| **KOMOTINIS – LOUTROU EVROU STREAMS** | **EL1209** | 1.958,3 | 289 | 1.459 | 0 |
| **EVROS** | **EL1210** | 4.080,8 | 175 | 1.202 | 0 |
| **THASOS - SAMOTHRAKI** | **EL1242** | 562,8 | 347 | 1.600 | 0 |
| **THRACE** | **EL12** | **11.240*** | | | |

** It refers to the land area of the RBD. It doesn't include the coastal water bodies that amount to 731 $km^2$*

## 3.2 Natural Characteristics

The River Basin District of Thrace (EL12) is located at the north-east part of Greece and extends in the largest part of the prefectures of Eastern Macedonia - Thrace. It includes the islands of Thasos and Samothraki.

Its geographical boundaries are Mount Falakro to the west, the borders with Bulgaria (including Rodopi Mountains, Mount Koula & Mount Papikio) to the North, the Borders with Turkey to the North-East and East and the seashore from Kavala Gulf to Evros Estuaries, including the islands of Thasos and Samothraki, to the South (North Aegean Sea).

The total land area of the river basin district is 11,240 $km^2$, from which 564 $km^2$ belong to Thasos and Samothraki Islands.The coastal water bodies amount to 731 $km^2$.

The Thrace RBD (EL12) consists of significant geographic features and natural resources (large rivers, lakes, lagoons) and, equally distributed long lowlands and mountainous areas.

The average annual temperature varies from 14,5 to 16,5°C. The annual thermometric range exceeds 20°C. The average annual heigh of the atmospheric precipitations in the River Basin District of Thrace (EL12) is778 mm. Itvariesfrom 500 to 600 mm incoastal areas, lowlands and the islands, from 600 to 1000 mm in the interior of the RBD and exceeds 1000 mm at higher altitudes (mountain areas).

The main rivers of the RBD are Nestos and Evros (both transboundary). Nestos and Despatis at North-West of the RBD and Evros, Ardas and Erythropotamos at North-East of the RBD, are transboundary rivers that are partly located within the Bulgarian borders.

Evros river forms the borderline between Greece and Bulgaria for about 12 km and also between Greece and Turkey with an exception of a section upstream of New Vissa where the river flows through Turkish territory. Thus, Evros is a transboundary river that is partly located within Bulgarian and Turkish borders.

The Thrace RBD (EL12) includes one natural lake, lake Ismarida and five reservoirs (heavily modified rivers): Thisavros, Platanovryssi, Gratini, Nea Adriani and Esymi Reservoirs.

Also, the Thrace RBD (EL12) includes five transitional water bodies, the estuaries of rivers Nestos and Evros and the lagoons of the Wider Area of Keramoti, Keramoti, Vistonida and Rodopi – Porto Lagos. From the aforementioned transitional WBs, the most significant are Nestos estuaries, Vistonida Lake (and nearby lagoons) and Evros Estuaries, that are also 3 out of 10 Ramsar Wetlands of Greece.

Finaly in the RBD there are twelve coastal water bodies. Nine of them are located in the same geographic altitude from west to east, following the seashore of the RBD and the other three are located around the islands Thasos and Samothraki.

In the context of the 1st update of RBMP, a total of **one hundred ninety nine (199) surface water bodies** are identified in the Thrace RBD (EL12), the distribution from which in the RBD and by RB is presented in the next chapter.

## 3.3 Competent Authorities

The competent authorities for the implementation of Directive 2000/60/EC have been designated according to **Law 3199/2003** (Government Gazette 280A΄/9.12.2003), as amended and in force, forthe Protection and Management of Waters. The competent authorities are:

The **National Water Committee**, hasbeendesignatedasahigh-levelinter-ministerial body and is responsible for drawing up the policy for the management and protection of the country's water resources.

The **National Water Council**, delivers an opinion to the National Water Committee on National Water Protection and Management Plans and takes note of the Annual Report submitted by the National Water Committee on the status of the country's water environment, the implementation of the legislation on water protection and management, and the compatibility with the European acquis communautaire.

The Special Secretariat for Waters, has the competence to prepare the programs for the protection and management of the country's water resources and the coordination of services and state bodies on all issues related to the protection and management of water. The Secretariat, in cooperation with the Water Directorates of the Decentralized Administrations, prepares the national programs for the protection and management of the country's water resources and monitors and coordinates their implementation.

*Table 3-2: Identity of the National Competent Authority*

| OFFICIAL NAME | SPECIAL SECRETARIAT FOR WATERS |
|---|---|
| **Acronym** | S.S.W. |
| **Legal Status** | Single Administrative Division of the Ministry of Environment and Energy |
| **Provisions for Creating and Defining Competencies** | - Law 3199/2003 (Government Gazette A' 280) for the Protection and Management of Waters, as amended and in force, in particular by Law 4117/2013 (Government Gazette A΄ 29) και Law 4315/2014 (Government Gazette A΄ 269).<br>- PD 132/2017 (Government Gazette A΄ 160) «Ministry of Environment and Energy (MEE)» )» in conjunction with CMD 322/2013 «Organization of the Special Secretariat for Waters of the Ministry for Environment, Energy and Cliamte Change» (Government Gazette B' 679), as in force. |
| **Contact Info** | |
| **Postal Address** | Amaliados 17 |
| **Postal Code** | 11523 |
| **City** | Athens |
| **Country** | Greece |
| **Website** | http://www.ypeka.gr/, http://wfdver.ypeka.gr |
| **Contact Points** | Tel: 210 6475102, 213 1515410<br>e-mail: info.egy@prv.ypeka.gr |

In addition to the implementation of Directive 2000/60/EC, the following Ministries are involved at a National Level: Ministry of Foreign Affairs, Ministry of Rural Development and Food, Ministry of Infrastructure and Transport, Ministry of Finance and Development, Ministry of Health, Ministry of Maritime and Island Policy, Ministry of Interior Affairs.

**At a Regional Level the Competent Authorities are:**

The **Water Council of Decentralized Management**, which is recommended to each Decentralized Administration, according to article 6 of Law 3199/03, as amended by article 53 of Law 4423/2016 (Government GazetteA΄ 182/27.09.2016) and is an instrument of social dialogue and consultation on water protection and management issues.

The **Water Directorates of Decentralized Management**, through which the Decentralized Administration's responsibilities for water protection and management are exercised.

Following the reorganization of the local government departments as a result of the administrative reforms of the "Kallikratis" project, the Water Directorates of the former State Regions are now subordinated to the respective Decentralized Administrations. The Decentralized Management of Macedonia-Thrace (DMMT), under the responsibility of which is the Thrace RBD (EL12), includes two Water Directorates: the **Water Directorate of Central Macedonia** and the **Water Directorate of Eastern Macedonia and Thrace**. Each Water Directorate is responsible for the protection and management of the waters in the respective Region (Central Macedonia or Eastern Macedonia and Thrace) and exercises the powers conferred on Decentralized Management in accordance with the applicable legislation.

In the RBs of Thrace RBD (EL12), the responsibilities of the Decentralized Administration for the protection and management of waters are exercised by the Water Directorate of Eastern Macedonia and Thrace.

*Table 3-3: Identity of the Regional Competent Authority*

| OFFICIAL NAME | DECENTRALIZED ADMINISTRATION OF MACEDONIA - THRACE<br>WATER DIRECTORATE OF EASTERN MACEDONIA AND THRACE |
|---|---|
| **Acronym** | W.D.E.M.T. |
| **Legal Status** | Organic Unit of the Decentralized Administration of Macedonia – Thrace.<br>Falls under the General Directorate for Spatial Planning and Environmental Policy.. |
| **Provisions for Creating and Defining Competencies** | - Law 3199/2003 (Government Gazette A' 280) for the Protection and Management of Waters, as amended and in force, in particular by Law 4117/2013 (Government Gazette A΄ 29) και Law 4315/2014 (Government Gazette A΄ 269).<br>- Law 3852/2010 (Government Gazette A' 87) Project Kallikratis, as in force.<br>- PD 51/2007 on the Designation of Measures and Procedures for the Integrated protection and management of water, in accordance with the provisions of Directive 2000/60/EC<br>- PD 142/2010 (Government Gazette A' 235) Organization of the Decentralized Administration of Macedonia Thrace.<br>- National Water Committee Decision 706/2010 (Government Gazette B΄1383/2-9-2010 «Designation of the Country's River Basins and appointment of the competent Regional authorities for their protection and management» and B΄1572/28-9-2010 amending Annex II), as in force after approval of the current River Basin Management Plans of the country's River Basin Districts. |
| **Contact Info** | |
| **Postal Address** | Tenedou 58 |
| **Postal Code** | 65110 |
| **City** | Kavala |
| **Country** | Greece |
| **Website** | http://www.damt.gov.gr |
| **Contact Points** | Tel.: 2313 309811<br>Fax: 2510 837173<br>email: dy-amt@damt.gov.gr |

# 4 DESIGNATION AND CLASSIFICATION OF WATER BODIES

## 4.1 Surface Water Bodies (SWB)

According to the 1st Update of RBMP in the River Basin District of Thrace (EL12) **one hundred ninety nine (199) surface water bodies**are identified. The aforementioned WBs are presented at the following table by category.

*Table 4-1: Number of surface water bodies of Thrace RBD (EL12) for each RB*

| Type of WB | RB | | | | | Total RBD |
|---|---|---|---|---|---|---|
| | Nestos (EL1207) | Xanthis – Xlroremato s streams (EL1208) | Komotinis – Loutrou Evrou streams (EL1209)) | Evros (EL1210) | Thasos – Samothraki (EL1242) | |
| River WB | 50 | 28 | 28 | 63 | 7 | 176 |
| Reservoirs (heavily modified river WB) | 2 | - | 2 | 1 | - | 5 |
| Lake WB | - | - | 1 | - | - | 1 |
| Transitional WB | 3 | 1 | - | 1 | - | 5 |
| Coastal WB | 3 | 2 | - | 4 | 3 | 12 |
| **Total SWB** | **58** | **31** | **31** | **69** | **10** | **199** |

### 4.1.1 River water bodies

The river water bodies of Thrace (EL12) RBD, under the new typology as defined by the Mediterranean Intercalibration Group, based on European Decision 2013/480EC are presented at the following table for each river basin.

*Table 4-2: River WBs under new typology, based on the European Desicion 2013/480/EK and MED GIG, in the RBs of Thrace RBD (EL12)*

| No | WB NAME | WB CODE | HMWB/ AWB | LENGTH (km) | INSTANT RUNOFF BASIN ($km^2$) | CUMULATIVE RUNOFF BASIN ($km^2$) | AVERAGE ANNUAL RUNOFF ($hm^3$) | TYPE OF WB |
|---|---|---|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | | | | | | | | |
| 1 | NESTOS P. | EL1207R0002000002H | ✓ | 15,05 | 15,44 | 2265,0 | 1509,71 | R-M1 |
| 2 | NESTOS P. | EL1207R0002000004H | ✓ | 6,41 | 13,87 | 2100,1 | 1399,84 | R-M1 |
| 3 | NESTOS P. | EL1207R0002000005N | | 20,08 | 101,17 | 2086,2 | 1390,59 | R-M4 |
| 4 | NESTOS P. | EL1207R0002000006N | | 32,97 | 29,78 | 1984,9 | 1323,03 | R-M1 |
| 5 | NESTOS P. | EL1207R0002010001H | ✓ | 9,42 | 18,26 | 2430,0 | 1619,73 | R-M1 |
| 6 | XEROREMA R. | EL1207R0002020003N | | 17,82 | 149,4 | 249,0 | 99,58 | R-M4 |
| 7 | MAVROMYTHS R. | EL1207R0002040007N | | 7,25 | 39,57 | 39,6 | 26,38 | R-M1 |
| 8 | KATO REMA R. | EL1207R0002060008N | | 9,31 | 62,15 | 62,2 | 41,43 | R-M1 |
| 9 | CHRYSOREMA R. | EL1207R0002080009N | | 5,59 | 11,33 | 11,3 | 7,55 | R-M1 |
| 10 | ANONYMO R. | EL1207R0002100010N | | 5,30 | 43,33 | 35,7 | 28,88 | R-M1 |
| 11 | MELISSOXORIOY R. | EL1207R0002120011N | | 8,78 | 30,17 | 48,6 | 32,37 | R-M1 |
| 12 | MELISSOXORIOY R. | EL1207R0002120012N | | 1,71 | 18,04 | 18,0 | 12,02 | R-M1 |
| 13 | ARKOUDOREMA R. | EL1207R0002140013N | | 8,02 | 39,49 | 280,1 | 109,8 | R-M1 |
| 14 | ARKOUDOREMA R. | EL1207R0002140014N | | 22,77 | 61,33 | 240,6 | 94,32 | R-M1 |
| 15 | ARKOUDOREMA R. | EL1207R0002140020N | | 16,85 | 67,75 | 67,8 | 26,56 | R-M1 |
| 16 | ARKOUDOREMA R. | EL1207R0002140117N | | 2,67 | 46,77 | 17,7 | 79 | R-M4 |
| 17 | ARKOUDOREMA R. | EL1207R0002140118N | | 2,15 | 9,8 | 9,8 | 3,84 | R-M1 |
| 18 | ARKOUDOREMA R. | EL1207R0002140215N | | 6,43 | 30,71 | 55,5 | 21,77 | R-M1 |
| 19 | ARKOUDOREMA R. | EL1207R0002140216N | | 2,75 | 24,83 | 24,8 | 9,73 | R-M1 |
| 20 | ARKOUDOREMA R. | EL1207R0002140319N | | 5,48 | 28,47 | 28,5 | 11,16 | R-M1 |
| 21 | NESTOS P. | EL1207R0002150021H | ✓ | 6,63 | 13,23 | 1202,4 | 801,46 | R-M1 |
| 22 | DIAVOLOREMA R. | EL1207R0002160022N | | 15,27 | 37,94 | 201,3 | 134,20 | R-M1 |
| 23 | DIAVOLOREMA R. | EL1207R0002160027N | | 6,96 | 24,8 | 24,8 | 16,53 | R-M1 |
| 24 | DIAVOLOREMA R. | EL1207R0002160123N | | 4,60 | 14,11 | 14,1 | 9,41 | R-M1 |
| 25 | DIAVOLOREMA R. | EL1207R0002160224N | | 6,21 | 22,42 | 109,1 | 72,7 | R-M1 |
| 26 | DIAVOLOREMA R. | EL1207R0002160225N | | 11,86 | 86,6 | 86,6 | 57,72 | R-M1 |
| 27 | DIAVOLOREMA R. | EL1207R0002160326N | | 2,27 | 15,47 | 15,5 | 10,31 | R-M1 |
| 28 | MEGALO R. | EL1207R0002180028N | | 15,55 | 42,3 | 107,9 | 84,97 | R-M1 |
| 29 | MEGALO R. | EL1207R0002180031N | | 5,75 | 15,65 | 35,2 | 23,47 | R-M1 |

| No | WB NAME | WB CODE | HMWB/ AWB | LENGTH (km) | INSTANT RUNOFF BASIN ($km^2$) | CUMULATIVE RUNOFF BASIN ($km^2$) | AVERAGE ANNUAL RUNOFF ($hm^3$) | TYPE OF WB |
|---|---|---|---|---|---|---|---|---|
| 30 | MEGALO R. | EL1207R0002180032N | | 4,39 | 19,56 | 19,6 | 13,04 | R-M1 |
| 31 | MEGALO R. | EL1207R0002180129N | | 1,40 | 18,29 | 18,3 | 12,18 | R-M1 |
| 32 | MEGALO R. | EL1207R0002180230N | | 6,93 | 31,69 | 31,7 | 21,12 | R-M1 |
| 33 | PETROREMA | EL1207R0002200033N | | 4,27 | 14,81 | 36,2 | 24,12 | R-M1 |
| 34 | PETROREMA | EL1207R0002200034N | | 7,01 | 21,38 | 21,4 | 14,25 | R-M1 |
| 35 | MYLOY R. | EL1207R0002220035N | | 5,48 | 31,75 | 31,8 | 21,16 | R-M1 |
| 36 | LOUTROU R. | EL1207R0002240036N | | 13,61 | 80,32 | 202,1 | 65,4 | R-M1 |
| 37 | LOUTROU R. | EL1207R0002240037N | | 17,45 | 66,28 | 121,8 | 39,41 | R-M1 |
| 38 | LOUTROU R. | EL1207R0002240038N | | 7,19 | 55,49 | 55,5 | 17,96 | R-M1 |
| 39 | PSYCHROREMA R. | EL1207R0002260039N | | 4,02 | 24,41 | 24,4 | 16,27 | R-M1 |
| 40 | DESPATHS P. | EL1207R0002280142N | | 3,92 | 9,6 | 20,6 | 13,7 | R-M1 |
| 41 | DESPATHS P. | EL1207R0002280143N | | 1,39 | 10,95 | 11,0 | 7,3 | R-M1 |
| 42 | DESPATHS P. | EL1207R0002280244N | | 1,74 | 3,23 | 26,0 | 17,35 | R-M1 |
| 43 | DESPATHS P. | EL1207R0002280245N | | 3,93 | 22,8 | 22,8 | 15,2 | R-M1 |
| 44 | DESPATHS P. | EL1207R0002280347N | | 1,91 | 1,47 | 24,7 | 16,63 | R-M4 |
| 45 | DESPATHS P. | EL1207R0002280348N | | 3,21 | 23,48 | 23,5 | 15,65 | R-M1 |
| 46 | MYLOREVMA R. | EL1207R0002300049N | | 7,99 | 93,64 | 93,6 | 62,42 | R-M4 |
| 47 | LASPIAS R. | EL1207R0005010050H | ✓ | 4,49 | 14,6 | 221,8 | 65,24 | R-M1 |
| 48 | LASPIAS R. | EL1207R0005010051H | ✓ | 10,70 | 207,2 | 207,2 | 60,95 | R-M2 |
| 49 | NESTOS P. | EL1207R0B02000040N | | 17,69 | 61,66 | 211,8 | 141,16 | R-M1 |
| 50 | DESPATHS P. | EL1207R0B02280041N | | 19,55 | 46,6 | 118,1 | 78,74 | R-M1 |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | | | |
| 51 | KOSYNTHOS R. | EL1208R0000000057N | | 12,02 | 48,97 | 319,6 | 86,22 | R-M1 |
| 52 | KOSYNTHOS R. | EL1208R0000000059N | | 26,78 | 118,21 | 235,4 | 63,51 | R-M2 |
| 53 | KOMPSATOS R. | EL1208R0000000069N | | 10,95 | 31,1 | 481,6 | 160 | R-M1 |
| 54 | KOMPSATOS R. | EL1208R0000000073N | | 5,30 | 17,08 | 278,5 | 92,53 | R-M1 |
| 55 | KOMPSATOS R. | EL1208R0000000076N | | 16,77 | 71,81 | 239,2 | 79,46 | R-M1 |
| 56 | KOSYNTHOS R. | EL1208R0000010052H | ✓ | 3,60 | 15,92 | 455,3 | 122,84 | R-M1 |
| 57 | AMMOREMA R. | EL1208R0000010063H | ✓ | 4,92 | 2,17 | 29,0 | 6,43 | R-M1 |
| 58 | AMMOREMA R. | EL1208R0000010064N | | 11,19 | 26,79 | 26,8 | 5,95 | R-M1 |
| 59 | KOMPSATOS R. | EL1208R0000010066N | | 7,87 | 60,57 | | 198,0 | R-M1 |
| 60 | KOMPSATOS R. | EL1208R0000010067N | | 6,47 | 27,5 | 580,5 | 192,83 | R-M1 |

| No | WB NAME | WB CODE | HMWB/ AWB | LENGTH (km) | INSTANT RUNOFF BASIN (km²) | CUMULATIVE RUNOFF BASIN (km²) | AVERAGE ANNUAL RUNOFF (hm³) | TYPE OF WB |
|---|---|---|---|---|---|---|---|---|
| 61 | KOMPSATOS R. | EL1208R0000010068N | | 11,27 | 71,26 | 553,0 | 183,7 | R-M1 |
| 62 | ASPROPOTAMOS R. | EL1208R0000010080H | ✓ | 14,74 | 113,24 | 108,0 | 31,00 | R-M1 |
| 63 | MEGALO R. | EL1208R0000020054N | | 10,40 | 23,62 | | 6,37 | R-M1 |
| 64 | KOMPSATOS R. | EL1208R0000020082N | | 5,77 | 22,5 | 22,5 | 7,47 | R-M1 |
| 65 | KOSYNTHOS R. | EL1208R0000030055H | ✓ | 3,09 | 21,55 | 415,7 | 112,17 | R-M1 |
| 66 | KOSYNTHOS R. | EL1208R0000030056H | ✓ | 6,99 | 74,62 | 394,2 | 106,35 | R-M1 |
| 67 | KOSYNTHOS R. | EL1208R0000040058N | | 7,38 | 35,21 | 35,2 | 9,5 | R-M1 |
| 68 | KOMPSATOS R. | EL1208R0000040083N | | 6,41 | 16,25 | 16,3 | 5,4 | R-M1 |
| 69 | XEROPOTAMOS R. | EL1208R0000060070N | | 13,92 | 46,76 | 133,3 | 44,27 | R-M1 |
| 70 | XEROPOTAMOS R. | EL1208R0000060071N | | 18,48 | 73,25 | 86,5 | 28,74 | R-M1 |
| 71 | THERMO LOYTRO R. | EL1208R0000060072N | | 2,11 | 13,27 | 13,3 | 4,41 | R-M1 |
| 72 | RODOPHGH R. | EL1208R0000080074N | | 2,76 | 3,01 | 22,3 | 7,4 | R-M1 |
| 73 | RODOPHGH R. | EL1208R0000080075N | | 2,69 | 19,25 | 19,3 | 6,4 | R-M1 |
| 74 | KOSYNTHOS R. | EL1208R0000090060N | | 13,18 | 81,42 | 117,2 | 31,61 | R-M1 |
| 75 | MEGALO R. | EL1208R0000090061N | | 3,81 | 35,72 | 35,7 | 9,64 | R-M1 |
| 76 | KREMMYDOREMA R. | EL1208R0000100077N | | 4,49 | 42,82 | 42,8 | 14,23 | R-M1 |
| 77 | REMATIA R. | EL1208R0000120078N | | 4,57 | 16,66 | 16,7 | 5,53 | R-M1 |
| 78 | KOMPSATOS R. | EL1208R0000130079N | | 14,86 | 107,85 | 107,9 | 35,83 | R-M2 |
| **RB KOMOTINIS –LOUTROU EVROU STREAMS (EL1209)** | | | | | | | | |
| 79 | VOSVOZIS P. | EL1209R0000010084N | | 3,63 | 26,35 | 365,4 | 45,00 | R-M1 |
| 80 | VOSVOZIS P. | EL1209R0000010085N | | 7,70 | 74,91 | 345,2 | 42,52 | R-M1 |
| 81 | KARYDOREMA R. | EL1209R0000020086H | ✓ | 11,47 | 61,02 | 106,9 | 13,17 | R-M1 |
| 82 | KARYDOREMA R. | EL1209R0000020087N | | 6,66 | 13,72 | 106,9 | 13,17 | R-M1 |
| 83 | KARYDOREMA R. | EL1209R0000020088N | | 6,22 | 32,43 | 32,2 | 3,97 | R-M1 |
| 84 | CHIONOREMA R. | EL1209R0000030089N | | 14,54 | 100,26 | 147,2 | 18,13 | R-M2 |
| 85 | CHIONOREMA R. | EL1209R0000030090N | | 11,21 | 56,26 | 55,5 | 6,84 | R-M1 |
| 86 | PLATANITHS R. | EL1209R00010100113N | | 6,05 | 31,44 | 31,4 | 6,40 | R-M1 |
| 87 | LISSOS P. | EL1209R00020000102H | ✓ | 11,34 | 114,19 | 722,0 | 146,74 | R-M2 |
| 88 | LISSOS P. | EL1209R00020000106N | | 8,27 | 59,58 | 517,7 | 105,22 | R-M1 |
| 89 | LISSOS P. | EL1209R00020000111N | | 54,08 | 247,68 | 307,7 | 62,54 | R-M2 |
| 90 | LISSOS P. | EL1209R0002020092N | | 3,27 | 83,9 | 77,0 | 15,66 | R-M1 |
| 91 | LISSOS P. | EL1209R0002030094H | ✓ | 8,56 | 8,58 | | 302,00 | R-M1 |

| No | WB NAME | WB CODE | HMWB/ AWB | LENGTH (km) | INSTANT RUNOFF BASIN (km²) | CUMULATIVE RUNOFF BASIN (km²) | AVERAGE ANNUAL RUNOFF (hm³) | TYPE OF WB |
|---|---|---|---|---|---|---|---|---|
| 92 | LISSOS P. | EL1209R0002030095H | ✓ | 13,28 | 111,65 | 1379,9 | 280,44 | R-M2 |
| 93 | SIDIROREMA R. | EL1209R00020400101N | | 23,26 | 153,23 | 153,2 | 31,14 | R-M2 |
| 94 | SIDIROREMA R. | EL1209R0002040096N | | 3,54 | 41,36 | 362,7 | 73,71 | R-M1 |
| 95 | SIDIROREMA R. | EL1209R0002040097H | ✓ | 3,01 | 6,39 | 321,3 | 65,3 | R-M1 |
| 96 | SIDIROREMA R. | EL1209R0002040098N | | 13,85 | 70,53 | 314,9 | 64,01 | R-M1 |
| 97 | AMYGDALOREMA R. | EL1209R0002040199H | ✓ | 6,08 | 22,34 | 91,2 | 18,53 | R-M1 |
| 98 | AMYGDALOREMA R. | EL1209R00020402100N | | 4,09 | 58,92 | 58,9 | 11,97 | R-M1 |
| 99 | MIKROREMA R. | EL1209R00020600103N | | 13,52 | 184,57 | 183,6 | 37,31 | R-M2 |
| 100 | XEROREMA R. | EL1209R00020800104H | ✓ | 12,57 | 25,77 | 90,5 | 18,40 | R-M1 |
| 101 | XEROREMA R. | EL1209R00020800105N | | 7,13 | 64,63 | 64,8 | 13,16 | R-M1 |
| 102 | MELISSOREMA R. | EL1209R00021000107N | | 14,18 | 17,03 | 150,4 | 30,57 | R-M1 |
| 103 | MELISSOREMA R. | EL1209R00021000109N | | 4,94 | 27,3 | 90,3 | 18,35 | R-M1 |
| 104 | MELISSOREMA R. | EL1209R00021000110N | | 9,25 | 62,1 | 63,0 | 12,8 | R-M1 |
| 105 | MELISSOREMA R. | EL1209R00021001108N | | 6,99 | 43,28 | 43,1 | 8,77 | R-M1 |
| 106 | ALEPOREMA R. | EL1209R00021200112N | | 4,64 | 60,42 | 60,4 | 12,28 | R-M1 |
| **RB EVROS (EL1210)** | | | | | | | | |
| 107 | DYTIKOS VRACHIONAS | EL1210R00020100124N | | 6,44 | 7,67 | 305,1 | 72,91 | R-M1 |
| 108 | DYTIKOS VRACHIONAS | EL1210R00020100125N | | 11,66 | 34,4 | 297,4 | 71,07 | R-M1 |
| 109 | ARDANIOU R. | EL1210R00020100126H | ✓ | 6,03 | 32,87 | 263,0 | 62,85 | R-M1 |
| 110 | ARDANIOU R. | EL1210R00020100127N | | 7,27 | 72,1 | 230,2 | 55,00 | R-M1 |
| 111 | ARDANIOU R. | EL1210R00020100128N | | 4,99 | 21,84 | 158,1 | 37,77 | R-M1 |
| 112 | ARDANIOU R. | EL1210R00020100129N | | 14,82 | 87,6 | 144,1 | 34,42 | R-M5 |
| 113 | ARDANIOU R. | EL1210R00020100130N | | 3,02 | 21,46 | 48,6 | 11,62 | R-M5 |
| 114 | ARDANIOU R. | EL1210R00020100131N | | 3,95 | 27,15 | 27,2 | 6,49 | R-M5 |
| 115 | PROVATONAS R. | EL1210R00020200139H | ✓ | 10,02 | 21,64 | 81,3 | 19,44 | R-M1 |
| 116 | PROVATONAS R. | EL1210R00020200140N | | 8,46 | 59,69 | 59,7 | 14,27 | R-M1 |
| 117 | EBROS R. | EL1210R00020300132A | ✓ | 7,93 | 207 | 52870,0 | 8436 | R-L2 |
| 118 | MAVROREMA R. | EL1210R00020400141H | ✓ | 9,69 | 54,8 | 100,2 | 23,96 | R-M1 |
| 119 | MAVROREMA R. | EL1210R00020400142N | | 8,99 | 45,44 | 45,4 | 10,86 | R-M5 |
| 120 | DIAVOLOREMA R. | EL1210R00020600143N | | 6,85 | 7,65 | 227,1 | 54,28 | R-M1 |
| 121 | DIAVOLOREMA R. | EL1210R00020600145N | | 7,45 | 37,33 | 161,8 | 38,67 | R-M1 |
| 122 | LYGARIA R. | EL1210R00020600146N | | 8,65 | 25,44 | 25,4 | 6.08 | R-M1 |

| No | WB NAME | WB CODE | HMWB/ AWB | LENGTH (km) | INSTANT RUNOFF BASIN ($km^2$) | CUMULATIVE RUNOFF BASIN ($km^2$) | AVERAGE ANNUAL RUNOFF ($hm^3$) | TYPE OF WB |
|---|---|---|---|---|---|---|---|---|
| 123 | DIAVOLOREMA R. | EL1210R00020600147N | | 12,94 | 43,1 | 99,0 | 23,67 | R-M5 |
| 124 | DAMASKINIES R. | EL1210R00020600148N | | 9,13 | 16,2 | 16,2 | 3,87 | R-M5 |
| 125 | LIBADIA R. | EL1210R00020600149N | | 6,97 | 39,74 | 39,7 | 9,5 | R-M5 |
| 126 | KAMILOPOTAMOS R. | EL1210R00020601144N | | 10,05 | 57,66 | 57,7 | 13,78 | R-M1 |
| 127 | KAZANI R. | EL1210R00020800150N | | 0,99 | 8,79 | 32,9 | 7,9 | R-M1 |
| 128 | KAZANI R. | EL1210R00020800151N | | 2,26 | 24,12 | 24,12 | 5,79 | R-M1 |
| 129 | POTISTIKON R. | EL1210R00021000154N | | 11,50 | 73,8 | 169,4 | 46,6 | R-M1 |
| 130 | POTISTIKON R. | EL1210R00021000155N | | 20,28 | 66,99 | 96,3 | 23,03 | R-M1 |
| 131 | POTISTIKON R. | EL1210R00021000156N | | 3,48 | 29,33 | 29,3 | 7,01 | R-M1 |
| 132 | POTISTIKON R. | EL1210R00021001153N | | 5,29 | 24,8 | 194,2 | 46,43 | R-M1 |
| 133 | MPERDEMENO R. | EL1210R00021400168N | | 4,11 | 185,82 | 451,7 | 97,57 | R-M2 |
| 134 | MPERDEMENO R. | EL1210R00021400171H | ✓ | 11,80 | 78,74 | 196,7 | 42,49 | R-M1 |
| 135 | DASOS R. | EL1210R00021400172H | ✓ | 8,51 | 30,29 | 118,0 | 25,49 | R-M1 |
| 136 | XERON R. | EL1210R00021400173N | | 21,23 | 87,71 | 87,7 | 18,94 | R-M1 |
| 137 | MANNA R. | EL1210R00021401169H | ✓ | 2,90 | 2,65 | 69,2 | 14,94 | R-M1 |
| 138 | MANNA R. | EL1210R00021401170N | | 8,28 | 66,53 | 66,5 | 14,37 | R-M1 |
| 139 | ARAPHS R. | EL1210R00030100114H | ✓ | 2,22 | 1,32 | 42,0 | 13 | R-M1 |
| 140 | ARAPHS R. | EL1210R00030100115N | | 4,51 | 38,33 | 38,3 | 11,86 | R-M1 |
| 141 | EIRHNH R. | EL1210R00050100117N | | 7,19 | 17,74 | | 6,95 | R-M1 |
| 142 | APOKRHMNO R. | EL1210R00050200118N | | 10,97 | 93,84 | 93,3 | 29,6 | R-M1 |
| 143 | EIRHNH R. | EL1210R00050300119N | | 18,01 | 108,58 | 108,2 | 34,33 | R-M2 |
| 144 | LOUTROU R. | EL1210R00090100121H | ✓ | 7,26 | 15,59 | 203,3 | 130,93 | R-M1 |
| 145 | LOUTROU R. | EL1210R00090100122H | ✓ | 16,76 | 103,23 | 197,4 | 62,10 | R-M2 |
| 146 | LOUTROU R. | EL1210R00090300123N | | 2,31 | 52,67 | 52,5 | 16,52 | R-M1 |
| 147 | ERYTHROPOTAMOS R. | EL1210R00111200157N | | 8,34 | 96,49 | 930,4 | 358,35 | R-M1 |
| 148 | ERYTHROPOTAMOS R. | EL1210R00111200158N | | 9,01 | 50,19 | 833,9 | 321,19 | R-M1 |
| 149 | ERYTHROPOTAMOS R. | EL1210R00111200161N | | 19,98 | 172,51 | 646,4 | 248,98 | R-M2 |
| 150 | ERYTHROPOTAMOS R. | EL1210R00111200178N | | 46,02 | 180,43 | 205,7 | 47,87 | R-M5 |
| 151 | ERYTHROPOTAMOS R. | EL1210R00111200179N | | 34,24 | 164,58 | 211,1 | 49,14 | R-M5 |
| 152 | ERYTHROPOTAMOS R. | EL1210R00111201177N | | 4,14 | 32,33 | 32,3 | 7,52 | R-M1 |
| 153 | KAZANTZH R. | EL1210R00111202159N | | 14,08 | 62,46 | 105,0 | 24,43 | R-M1 |
| 154 | KAZANTZH R. | EL1210R00111202160N | | 4,93 | 42,49 | 61,7 | 14,36 | R-M1 |

| No | WB NAME | WB CODE | HMWB/ AWB | LENGTH (km) | INSTANT RUNOFF BASIN ($km^2$) | CUMULATIVE RUNOFF BASIN ($km^2$) | AVERAGE ANNUAL RUNOFF ($hm^3$) | TYPE OF WB |
|---|---|---|---|---|---|---|---|---|
| 155 | ERYTHROPOTAMOS R. | EL1210R00111203163N | | 5,56 | 12,58 | 22,5 | 5,24 | R-M1 |
| 156 | ERYTHROPOTAMOS R. | EL1210R00111204165N | | 11,33 | 46,52 | 46,3 | 10,78 | R-M5 |
| 157 | ERYTHROPOTAMOS R. | EL1210R00111209166N | | 4,36 | 25,26 | 25,3 | 5,88 | R-M5 |
| 158 | ARDAS P. | EL1210R00131601175H | ✓ | 5,20 | 88,41 | 88,4 | 20,33 | R-M1 |
| 159 | ERYTHROPOTAMOS R. | EL1210R0B111200162N | | 8,40 | 25,01 | 477,2 | 183,78 | R-M1 |
| 160 | ERYTHROPOTAMOS R. | EL1210R0B111200164N | | 14,06 | 48,78 | 436,2 | 101,51 | R-M5 |
| 161 | ARDAS P. | EL1210R0B131600174H | ✓ | 37,37 | 273,93 | 5635,0 | 2370,00 | R-M2 |
| 162 | EBROS R. | EL1210R0B151900176N | | 28,59 | 199,55 | 44255,0 | 7061,38 | R-L2 |
| 163 | EBROS R. | EL1210R0T020000136N | | 22,77 | 207 | 52778,0 | 8421,32 | R-L2 |
| 164 | EBROS R. | EL1210R0T020000138N | | 61,63 | 207 | 48527,0 | 7743,03 | R-L2 |
| 165 | EBROS R. | EL1210R0T020000167N | | 46,00 | 142,17 | 46397,0 | 7403,16 | R-L2 |
| 166 | EBROS R. | EL1210R0T020100133N | | 27,11 | 207 | 52793,0 | 8423,71 | R-L2 |
| 167 | EBROS R. | EL1210R0T020100134H | ✓ | 1,62 | 207 | 52858,0 | 8434,09 | R-L2 |
| 168 | EBROS R. | EL1210R0T020100135H | ✓ | 12,57 | 207 | 52858,0 | 8434,09 | R-L2 |
| 169 | EBROS R. | EL1210R0T020100137H | ✓ | 9,49 | 207 | 52778,0 | 8421,32 | R-L2 |
| **RB THASOS – SAMOTHRAKI (EL1242)** | | | | | | | | |
| 170 | ANONYMO R. | EL1242R00020100180N | | 5,26 | 20,81 | 20,8 | 3,9 | R-M1 |
| 171 | PORTES R. | EL1242R00040100181N | | 15,90 | 43,53 | 43,5 | 11,18 | R-M1 |
| 172 | KAMINOREMA R. | EL1242R00060100183N | | 9,08 | 48,12 | 48,1 | 12,37 | R-M1 |
| 173 | DIPOTAMOS R. | EL1242R00080100184N | | 8,35 | 41,34 | 41,3 | 10,62 | R-M1 |
| 174 | GIALI R. | EL1242R00100100186N | | 3,42 | 10,4 | 7,5 | 7,8 | R-M1 |
| 175 | ANONYMO R. | EL1242R00100100187N | | 5,92 | 6,29 | 6,3 | 6 | R-M1 |
| 176 | FONIAS R. | EL1242R00100100188N | | 6,09 | 10,19 | 10,2 | 5,3 | R-M1 |

### 4.1.2 Lake water bodies and heavily modified river water bodies (reservoirs)

In the Thrace RBD (EL12), **one (1) natural lake and five (5) reservoirs** were identified and are presented at the following tables, per RB.

*Table 4-3: Lake WB of Thrace RBD (EL12)*

| No | WB NAME | WB CODE | HMWB/AWB | AREA ($km^2$) | PERIMETER (km) | TYPE OF WB |
|---|---|---|---|---|---|---|
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | | |
| 1 | ISMARIDA L. | EL1209L000006N | | 1,86 | 5,52 | GR-VSNL |

*Table 4-4: Reservoirs (River HMWB) of Thrace RBD (EL12)*

| No | WB NAME | WB CODE | HMWB/AWB | AREA ($km^2$) | PERIMETER (km) | TYPE OF WB |
|---|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | | | | | | |
| 1 | PLATANOVRYSSI RES. | EL1207RL002150002H | ✓ | 3,25 | 40,05 | L-M5/7W |
| 2 | THISAVROS RES. | EL1207RLB02000001H | ✓ | 13,26 | 91,85 | L-M5/7W |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | | |
| 3 | GRATINI RES. | EL1209RL002040003H | ✓ | 1,43 | 12,17 | L-M5/7W |
| 4 | NEA ADRIANI RES. | EL1209RL000010005H | ✓ | 0,61 | 5,46 | GR-SR |
| **RB EVROS (EL1210)** | | | | | | |
| 5 | ESYMI RES. | EL1210RL009010004H | ✓ | 0,97 | 14,9 | L-M5/7W |

### 4.1.3 Transitional Water Bodies

In the Thrace RBD (EL12), **five (5) transitional WB** are identified and presented at the following table, per RB.

*Table 4-5: Transitional WB of Thrace RBD (EL12)*

| No | WB NAME | WB CODE | HMWB/ AWB | AREA ($km^2$) | PERIMETER (km) | TYPE OF WB |
|---|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | | | | | | |
| 1 | WIDER KERAMOTI AREA LAG. | EL1207T0001N | | 7,89 | 54.8 | TW1 |
| 2 | KERAMOTI LAG. | EL1207T0002N | | 1,22 | 16,8 | TW1 |
| 3 | NESTOS RIVER DELTA | EL1207T0003N | | 33,24 | 41,6 | TW2 |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | |
| 4 | RODOPI - PORTO LAGOS LAG. | EL1208T0004N | | 72,13 | 174,6 | TW1 |
| **RB EVROS (EL1210)** | | | | | | |
| 5 | EVROS RIVER DELTA | EL1210T0005N | | 160,37 | 167,5 | TW2 |

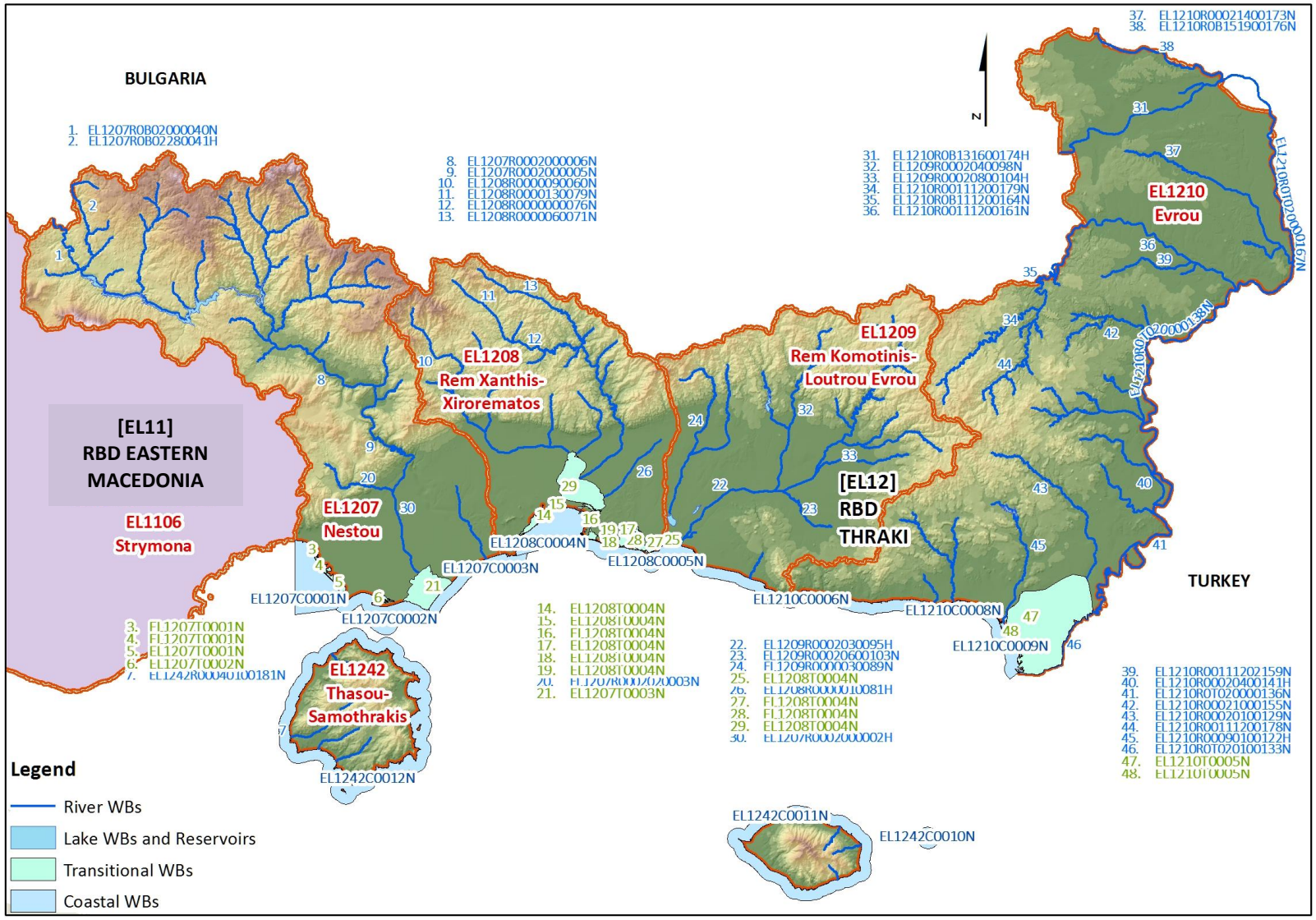
### 4.1.4 Coastal Wate rBodies

In the Thrace RBD (EL12), **twelve (12) coastal WB** are identified and are presented at the following table, per RB.

*Table 4-6: Coastal WB of Thrace RBD (EL12)*

| No | WB NAME | WB CODE | HMWB /AWB | AREA ($km^2$) | PERIMETER (km) | TYPE OF WB |
|---|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | | | | | | |
| 1 | EASTERN KAVALA GULF | EL1207C0001N | | 69,55 | 39,0 | III E |
| 2 | NORTHERN COASTS OF THASOS CHANNEL | EL1207C0002N | | 49,22 | 54,6 | III E |
| 3 | AVDIRA BEACH | EL1207C0003N | | 38,30 | 48,5 | III E |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | |
| 4 | VISTONIKOS GULF | EL1208C0004N | | 62,91 | 57,8 | III E |
| 5 | WESTERN COASTS OF THRACIAN SEA | EL1208C0005N | | 48,58 | 58,6 | III E |
| **RB EVROS (EL1210)** | | | | | | |
| 6 | EASTERN COASTS OF THRACIAN SEA | EL1210C0006N | | 89,10 | 109,2 | III E |
| 7 | ALEXANDROUPOLIS PORT | EL1210C0007H | ✓ | 4,68 | 13,1 | III E |
| 8 | ALEXANDROUPOLIS COASTS | EL1210C0008N | | 6,08 | 16,9 | III E |
| 9 | EVROS COASTS | EL1210C0009N | | 35,71 | 102,4 | III E |
| **RB THASOS – SAMOTHRAKI (EL1242)** | | | | | | |
| 10 | NISIDA | EL1242C0010N | | 11,57 | 12,5 | III E |
| 11 | SAMOTHRAKI COASTS | EL1242C0011N | | 116,99 | 134,9 | III E |
| 12 | THASOS COASTS | EL1242C0012N | | 198,30 | 260,0 | III E |

*Figure 4-1: Surface WB of Thrace RBD (EL12)*



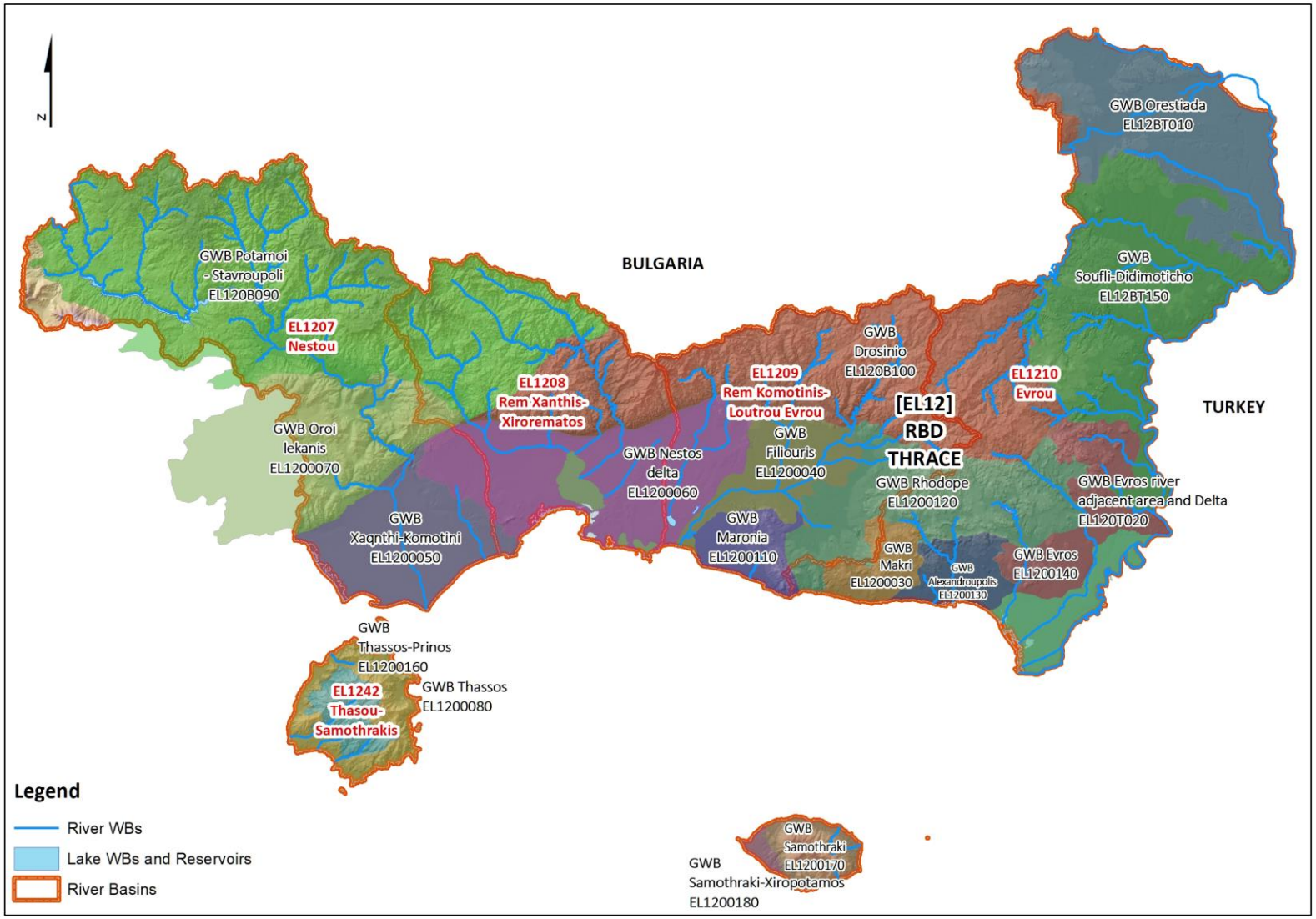
## 4.2 Groundwater bodies

In the Thrace RBD (EL12), **eighteen (18) GWB** are identified and are presented at the following table, per RB.

*Table 4-7: Ground water bodies of Thrace RBD (EL12)*

| No | WB NAME | WB CODE | AREA (km²) |
|---|---|---|---|
| **RB NESTOS (EL1207)** | | | |
| 1 | NESTOS DELTA | EL1200060 | 554,58 |
| 2 | ORI LEKANIS | EL1200070 | 949,69 |
| 3 | POTAMOI – STAVROUPOLI | EL120B090 | 2.426,54 |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | |
| 4 | XANTHI – KOMOTINI | EL1200050 | 901,97 |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | |
| 5 | FILIOURIS | EL1200040 | 332,07 |
| 6 | DROSINIO | EL120B100 | 1.807,04 |
| 7 | MARONEIA | EL1200110 | 190,00 |
| 8 | RHODOPE | EL1200120 | 755,58 |
| **RB EVROS (EL1210)** | | | |
| 9 | ORESTIADA | EL12BT010 | 934,71 |
| 10 | EVROS RIVER ADJACENT AREA – EVROS DELTA | EL120T020 | 225,64 |
| 11 | MAKRI | EL1200030 | 166,57 |
| 12 | ALEXANDROUPOLI | EL1200130 | 183,80 |
| 13 | EVROS | EL1200140 | 385,83 |
| 14 | SOUFLI – DIDIMOTICHO | EL12BT150 | 1.204,61 |
| **RB THASOS - SAMOTHRAKI (EL1242)** | | | |
| 15 | THASOS | EL1200080 | 247,31 |
| 16 | THASOS – PRINOS | EL1200160 | 136,32 |
| 17 | SANOTHRAKI | EL1200170 | 154,53 |
| 18 | SAMOTHRAKI – XIROPOTAMOS | EL1200180 | 25,52 |

*Figure 4-2: Groundwater WB of Thrace RBD (EL12)*



## 4.3 Heavily Modified Water Bodies (HMWB) and Artificial Water Bodies (AWB)

**Thirty nine (39) HMWB and one (1) AWB** are identified from a total of 199 SWBsin the RBD of Thrace (EL12). The aforementioned HMWB/AWB are presented at the following tables.

*Table 4-8: HMWB (rivers) of Thrace RBD (EL12)*

| WB CODE | WB NAME | WB TYPE | LENGTH (KM) | BASIN (KM²) | «Determined water usage» according to the article 4(3)(α) of WFD |
|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | | | | | |
| EL1207R0005010050H | LASPIAS R. | R-M1 | 4,49 | 14,6 | Irrigation, Flood protection |
| EL1207R0005010051H | LASPIAS R. | R-M2 | 10,70 | 207,2 | Irrigation, Flood protection |
| EL1207R0002000002H | NESTOS P. | R-M1 | 15,05 | 15,44 | Irrigation, Flood protection |
| EL1207R0002000004H | NESTOS P. | R-M1 | 6,41 | 13,87 | Irrigation, Flood protection |
| EL1207R0002010001H | NESTOS P. | R-M1 | 9,42 | 18,26 | Irrigation, Flood protection |
| EL1207R0002150021H | NESTOS P. | R-M1 | 6,94 | 13,23 | Downstream Dam |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | |
| EL1208R0000010063H | AMMOREMA R. | R-M1 | 5,16 | 2,17 | Irrigation, Flood protection |
| EL1208R0000010080H | ASPROPOTAMOS R. | R-M1 | 14,74 | 113,24 | Irrigation, Flood protection |
| EL1208R0000010052H | KOSYNTHOS R. | R-M1 | 3,60 | 15,92 | Irrigation, Flood protection |
| EL1208R0000030055H | KOSYNTHOS R. | R-M1 | 3,09 | 21,55 | Irrigation, Flood protection |
| EL1208R0000030056H | KOSYNTHOS R. | R-M1 | 6,99 | 74,62 | Irrigation, Flood protection |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | |
| EL1209R0002040199H | AMYGDALOREMA R. | R-M1 | 6,08 | 22,34 | Downstream Dam |
| EL1209R0000020086H | ΚΑΡΥΔΟΡΡΕΜΑ Ρ. | R-M1 | 11,47 | 61,02 | Urbanization, Flood protection |
| EL1209R00020800104H | XEROREMA R. | R-M1 | 12,57 | 25,77 | Downstream Dam |
| EL1209R0002040097H | SIDIROREMA R. | R-M1 | 3,01 | 6,39 | Irrigation, Flood protection |
| EL1209R00020000102H | LISSOS R. | R-M2 | 11,34 | 114,19 | Irrigation, Flood protection |
| EL1209R0002030094H | LISSOS R. | R-M1 | 8,56 | 8,58 | Irrigation, Flood protection |
| EL1209R0002030095H | LISSOS R. | R-M2 | 13,28 | 111,65 | Irrigation, Flood protection |
| **RB EVROS (EL1210)** | | | | | |
| EL1210R00030100114H | ARAPHS R. | R-M1 | 2,22 | 1,32 | Urbanization, Flood protection |
| EL1210R00131601175H | ARDAS R. | R-M1 | 5,20 | 88,41 | Irrigation, Flood protection |
| EL1210R0B131600174H | ARDAS R. | R-M2 | 37,37 | 273,97 | Downstream Dam |
| EL1210R0T020100134H | EBROS R. | R-L2 | 1,62 | 207,00 | Flood protection |
| EL1210R0T020100135H | EBROS R. | R-L2 | 12,57 | 207,00 | Flood protection |
| EL1210R0T020100137H | EBROS R. | R-L2 | 9,49 | 207,00 | Flood protection |
| EL1210R00020400141H | MAVROREMA R. | R-M1 | 9,69 | 54,80 | Irrigation, Flood protection |
| EL1210R00020200139H | PROVATONAS R. | R-M1 | 10,02 | 21,64 | Irrigation, Flood protection |
| EL1210R00020100126H | ARDANIOU R. | R-M1 | 6,03 | 32,87 | Irrigation, Flood protection |
| EL1210R00021400172H | DASOS R. | R-M1 | 8,51 | 30,29 | Irrigation, Flood protection |
| EL1210R00090100121H | LOUTROU R. | R-M1 | 7,26 | 15,65 | Downstream Dam |
| EL1210R00090100122H | LOUTROU R. | R-M2 | 16,99 | 103,23 | Downstream Dam |
| EL1210R00021401169H | MANNA R. | R-M1 | 2,90 | 2,65 | Irrigation, Flood protection |
| EL1210R00021400171H | MPERDEMENO R. | R-M1 | 11,80 | 78,74 | Irrigation, Flood protection |

*Table 4-9: AWB (Rivers) of Thrace RBD (EL12)*

| WB CODE | WB NAME | TYPE | LENGTH (KM) | BASIN (KM²) | «Determined water usage» according to the article 4(3)(α) of WFD |
|---|---|---|---|---|---|
| **RB EVROS (EL1210)** | | | | | |
| EL1210R00020300132A | EBROS R. | R-L2 | 7,93 | 207,00 | Irrigation, Flood protection |

*Table 4-10: HMWB (Reservoirs) of Thrace RBD (EL12)*

| WB CODE | WB NAME | TYPE | AREA (KM²) | «Determined water usage» according to the article 4(3)(α) of WFD |
|---|---|---|---|---|
| **RB NESTOS (EL1207)** | | | | |
| EL1207RLB02000001H | THISAVROS RES. | L-M5/7W | 13,26 | Hydropowerproduction |
| EL1207RL002150002H | PLATANOVRYSSI RES. | GR-VSNL | 3,25 | Hydropowerproduction |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | |
| EL1209RL002040003H | GRATINI RES. | L-M5/7W | 1,43 | Industry (Thermal Plant Cooling), Irrigation |
| EL1209RL000010005H | NEA ADRIANI RES. | GR-SR | 0,61 | Irrigation |
| **RB EVROS (EL1210)** | | | | |
| EL1210RL009010004H | ESYMI RES. | - | 0,97 | Drinking water supply for Alexandroupoli |

*Table 4-11: HMWB (Coastal) of Thrace RBD (EL12)*

| WB CODE | WB NAME | TYPE | AREA (KM²) | «Determined water usage» according to the article 4(3)(α) of WFD |
|---|---|---|---|---|
| **RBEVROS (EL1210)** | | | | |
| EL1210C0007H | ALEXANDROUPOLIS PORT | IIIE | 5,1 | Port |

## 4.4 Protected Areas

The areas that are included in the updated Register of Protected Areas, as they are defined in Annex V of PD 51/2007, are presented at the following chapters.

### 4.4.1 Areas designated for the abstraction of water intended for human consumption

In the Thrace RBD (EL12) abstraction of water for human consumption is made mainly from groundwater bodies and from two (2) surface water bodies, Esymi res. (EL1210RL009010004H) and Chionorema R. (EL1209R0000030090N). The three (3) groundwater bodies with karst aquifer and the two (2) aforementioned surface water bodies, that are incuded in the Register in the 1st Update of RBMP, are presented at the following table.

*Table 4-12: Areas designated for the abstraction of water intended for human consumption in Thrace RBD (EL12)*

| No | GWB NAME | GWB CODE | PROTECTED AREA CODE | AQUIFER | QUALITY STATUS | QUANTITATIVE STATUS |
|---|---|---|---|---|---|---|
| **GROUNDWATER BODIES (GWB)** | | | | | | |
| 1 | MAKRI | EL1200030 | EL1200030A7 | KARST | GOOD | GOOD |
| 2 | ORI LEKANIS | EL1200070 | EL1200070A7 | KARST | GOOD | GOOD |
| 3 | THASOS | EL1200080 | EL1200080A7 | KARST | GOOD | GOOD |
| **SURFACE WATER BODIES (SWB)** | | | | | | |
| 1 | ESYMI RES. | EL1210RL009010004H | EL1210RL009010004HA7 | - | - | - |
| 2 | CHIONOREMA R. | EL1209R0000030090N | EL1209R0000030090NA7 | - | - | - |

### 4.4.2 Water bodies designated as recreational waters including areas designated as bathing waters under the Directive 2006/7/EC

According to Greece's **Register of Bathing Waters** (SSW, 2016), in the Thrace RBD (EL12), in 2016 there were **40 areas designated as bathing waters**, all of them in coastal water bodies. There were no recreational waters identified.

### 4.4.3 Areas vulnerable to nitrate pollution and sensitive in urban waste water treatment

***Areas vulnerable to nitrate pollution from agricultural sources under Directive 91/676/EEC***

In the Thrace RBD (EL12) there are **three (3) areas** officially designated as vulnerable to nitrate pollution from agricultural sources, the **Valley east and west of Lake Vistonida (EL1208NI01),** the **Area of the southern part of river Evros (EL1210NI02),** and the **Area of the northern part of river Evros (EL1210NI03)**. The vulnerable zones and the water bodies included within that are or likely to be nitro-polluted are presented at the following table.

*Table 4-13: Vulnerable Zones and Water Bodies that are or likely to be nitro-polluted in Thrace RBD (EL12)*

| VULNERABLE ZONE NAME | WATER BODIES THAT ARE OR LIKELY TO BE NITRO-POLLUTED | | | |
|---|---|---|---|---|
| | WB CODE | WB CODE | WB CATEGORY | RB |
| Valley east and west of Lake Vistonida EL1208NI01 | EL1200040 | FILIOURIS | GROUNDWATER | |
| | EL1200050 | XANTHI – KOMOTINI | GROUNDWATER | |
| | EL1200060 | NESTOS DELTA | GROUNDWATER | |
| | EL1200110 | MARONEIA | GROUNDWATER | |
| | EL1200120 | RHODOPE | GROUNDWATER | |
| | EL1208T0004N | RODOPI - PORTO LAGOS LAG. | TRANSITIONAL | EL1208 |
| | EL1207T0003N | NESTOS RIVER DELTA | TRANSITIONAL | EL1207 |
| | EL1209L000006N | ISMARIDA L. | LAKE | EL1209 |
| | EL1209RL000010005H | NEA ADRIANI RES. | RESERVOIR | EL1209 |
| | EL1207R0005010050H | LASPIAS R. | RIVER | EL1207 |
| | EL1207R0005010051H | LASPIAS R. | RIVER | EL1207 |
| | EL1208R0000000057N | KOSYNTHOS R. | RIVER | EL1208 |
| | EL1208R0000030056H | KOSYNTHOS R. | RIVER | EL1208 |
| | EL1208R0000030055H | KOSYNTHOS R. | RIVER | EL1208 |
| | EL1208R0000010052H | KOSYNTHOS R. | RIVER | EL1208 |
| | EL1208R0000020054N | MEGALO R. | RIVER | EL1208 |
| | EL1208R0000010063H | AMMOREMA R. | RIVER | EL1208 |
| | EL1208R0000010066N | KOMPSATOS R. | RIVER | EL1208 |
| | EL1208R0000010067N | KOMPSATOS R. | RIVER | EL1208 |
| | EL1208R0000010080H | ASPROPOTAMOS R. | RIVER | EL1208 |
| | EL1209R0000010084N | VOSVOZIS P. | RIVER | EL1209 |
| | EL1209R0000010085N | VOSVOZIS P. | RIVER | EL1209 |
| | EL1209R0000020086H | KARYDOREMA R.. | RIVER | EL1209 |
| | EL1209R0000030089N | CHIONOREMA R. | RIVER | EL1209 |
| | EL1209R0002030094H | LISSOS P. | RIVER | EL1209 |
| | EL1209R0002020092N | LISSOS P. | RIVER | EL1209 |
| | EL1209R0002030095H | LISSOS P. | RIVER | EL1209 |
| | EL1209R0002040096N | SIDIROREMA R. | RIVER | EL1209 |
| | EL1209R0002040097H | SIDIROREMA R. | RIVER | EL1209 |
| | EL1209R0002040098N | SIDIROREMA R. | RIVER | EL1209 |
| | EL1209R0002040199H | AMYGDALOREMA R. | RIVER | EL1209 |
| | EL1209R00020000102H | LISSOS P. | RIVER | EL1209 |
| | EL1209R00020600103N | MIKROREMA R. | RIVER | EL1209 |
| | EL1209R00020800104H | XEROREMA R. | RIVER | EL1209 |
| | EL1209R00020000106N | LISSOS P. | RIVER | EL1209 |
| | EL1209R00021000107N | MELISSOREMA R. | RIVER | EL1209 |
| Area of the southern part of river Evros | EL120T020 | EVROS RIVER ADJACENT AREA – EVROS DELTA | GROUNDWATER | |

| VULNERABLE ZONE NAME | WATER BODIES THAT ARE OR LIKELY TO BE NITRO-POLLUTED | | | |
|---|---|---|---|---|
| | WB CODE | WB CODE | WB CATEGORY | RB |
| EL1210NI02 | EL1200140 | EVROS | GROUNDWATER | |
| | EL1210T0005N | EVROS RIVER DELTA | TRANSITIONAL | EL1210 |
| | EL1210R00020100124N | DYTIKOS VRACHIONAS | RIVER | EL1210 |
| | EL1210R00020100125N | DYTIKOS VRACHIONAS | RIVER | EL1210 |
| | EL1210R00020100126H | ARDANIOU R. | RIVER | EL1210 |
| | EL1210R00090100120H | LOUTROU R. | RIVER | EL1210 |
| | EL1210R00090100121H | LOUTROU R. | RIVER | EL1210 |
| Area of the northern part of river Evros EL1210NI03 | EL12BT010 | ORESTIADA | GROUNDWATER | EL1210 |
| | EL1210R0B131600174H | ARDAS P. | RIVER | EL1210 |
| | EL1210R00131601175H | ARDAS P. | RIVER | EL1210 |
| | EL1210R0B151900176N | EBROS R. | RIVER | EL1210 |
| | EL1210R0T020000167N | EBROS R. | RIVER | EL1210 |
| | EL1210R00021400173N | MPERDEMENO R. | RIVER | EL1210 |
| | EL1210R00021400171H | MPERDEMENO R. | RIVER | EL1210 |
| | EL1210R00021400172H | MPERDEMENO R. | RIVER | EL1210 |
| | EL1210R00021400168N | MPERDEMENO R. | RIVER | EL1210 |
| | EL1210R00021401169H | MANNA R. | RIVER | EL1210 |

***Areas designated sensitive under Directive 91/271/EEC***

In the Thrace RBD (EL12), there are **twenty six (26) water bodies** designated as sensitive according to the **Ministerial Decision 19661/1982/1999** (Government Gazette 1811B'/29.09.1999).

*Table 4-14: Sensitive Areas in Thrace RBD (EL12)*

| No | SENSITIVE AREA CODE UWWTD | SENSITIVE AREA CODE RBMP | WB CODE | WB NAME |
|---|---|---|---|---|
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | |
| 1 | ELSATW04 | EL1208T0004NUW | EL1208T0004N | RODOPI - PORTO LAGOS LAG. |
| 2 | ELSARV08 | EL1208R0000000069NUW | EL1208R0000000069N | KOMPSATOS R. |
| 3 | ELSARV08 | EL1208R0000010066NUW | EL1208R0000010066N | KOMPSATOS R. |
| 4 | ELSARV08 | EL1208R0000010067NUW | EL1208R0000010067N | KOMPSATOS R. |
| 5 | ELSARV08 | EL1208R0000010068NUW | EL1208R0000010068N | KOMPSATOS R. |
| 6 | ELSARV09 | EL1208R0000000057NUW | EL1208R0000000057N | KOSYNTHOS R. |
| 7 | ELSARV09 | EL1208R0000010052HUW | EL1208R0000010052H | KOSYNTHOS R. |
| 8 | ELSARV09 | EL1208R0000030055HUW | EL1208R0000030055H | KOSYNTHOS R. |
| 9 | ELSARV09 | EL1208R0000030056HUW | EL1208R0000030056H | KOSYNTHOS R. |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | |
| 10 | ELSARV22 | EL1209R0000010084NUW | EL1209R0000010084N | VOSVOZIS P. |
| 11 | ELSARV22 | EL1209R0000010085NUW | EL1209R0000010085N | VOSVOZIS P. |
| 12 | ELSARV22 | EL1209R0000030089NUW | EL1209R0000030089N | CHIONOREMA R. |
| 13 | ELSALK01 | EL1209L000006NUW | EL1209L000006N | ISMARIDA L. |
| **RB EVROS (EL1210)** | | | | |
| 14 | ELSATW01 | EL1210T0005NUW | EL1210T0005N | EVROS RIVER DELTA |
| 15 | ELSARV04 | EL1210R00020300132AUW | EL1210R00020300132A | EBROS R. |
| 16 | ELSARV04 | EL1210R0B151900176NUW | EL1210R0B151900176N | EBROS R. |
| 17 | ELSARV04 | EL1210R0T020000136NUW | EL1210R0T020000136N | EBROS R. |
| 18 | ELSARV04 | EL1210R0T020000138NUW | EL1210R0T020000138N | EBROS R. |
| 19 | ELSARV04 | EL1210R0T020000167NUW | EL1210R0T020000167N | EBROS R. |
| 20 | ELSARV04 | EL1210R0T020100133NUW | EL1210R0T020100133N | EBROS R. |
| 21 | ELSARV04 | EL1210R0T020100134HUW | EL1210R0T020100134H | EBROS R. |
| 22 | ELSARV04 | EL1210R0T020100135HUW | EL1210R0T020100135H | EBROS R. |
| 23 | ELSARV04 | EL1210R0T020100137HUW | EL1210R0T020100137H | EBROS R. |
| 24 | ELSARV05 | EL1210R00111200157NUW | EL1210R00111200157N | ERYTHROPOTAMOS R. |
| 25 | ELSARV05 | EL1210R00111200158NUW | EL1210R00111200158N | ERYTHROPOTAMOS R. |
| 26 | ELSARV05 | EL1210R00111200161NUW | EL1210R00111200161N | ERYTHROPOTAMOS R. |

### 4.4.4 Areas designated for the protection of Birds and Habitats

In the Thrace RBD (EL12), there are **twenty six (26) protected areas of the Natura 2000 Network** and **eight (8) Small Island Wetlands** that are included in the Register of Protected Areas (see tables bellow).

*Table 4-15: Areas designated for the protection of birds and Habitats in Thrace RBD (EL12)*

| No | NATURA 2000 CODE | TYPE | NAME | AREA (ha) | RBD | RB |
|---|---|---|---|---|---|---|
| 1 | GR1120004 | SPA | STENA NESTOU | 8.752,99 | EL12 | EL1207 |
| 2 | GR1120005 | SCI | AISTHITIKO DASOS NESTOU | 2.335,86 | EL12 | EL1207 |
| 3 | GR1140002 | SCI | RODOPI (SIMYDA) | 6.715,45 | EL12 | EL1207 |
| 4 | GR1140003 | SCI | PERIOCHI ELATIA, PYRAMIS KOUTRA | 7.447,10 | EL12 | EL1207 |
| 5 | GR1140008 | SPA | KENTRIKI RODOPI KAI KOILADA NESTOU | 105.948,30 | EL12 | EL1207 |
| 6 | GR1150001 | SPA | DELTA NESTOU KAI LIMNOTHALASSES KERAMOTIS KAI NISOS THASOPOULA | 14.624,76 | EL12 | EL1207 |
| 7 | GR1150010 | SCI | DELTA NESTOU KAI LIMNOTHALASSES KERAMOTIS - EVRYTERI PERIOCHI KAI PARAKTIA ZONI | 22.484,64 | EL12 | EL1207 |
| 8 | GR1130007 | SCI | POTAMOS KOMPSATOS (NEA KOITI) | 423,65 | EL12 | EL1208 |
| 9 | GR1130009 | SCI | LIMNES KAI LIMNOTHALASSES TIS THRAKIS - EVRYTERI PERIOCHI KAI PARAKTIA ZONI | 29.455,98 | EL12 | EL1208 |
| 10 | GR1130010 | SPA | LIMNES VISTONIS, ISMARIS - LIMNOTHALASSES PORTO LAGOS, ALYKI PTELEA, XIROLIMNI, KARATZA | 18.217,14 | EL12 | EL1208 |
| 11 | GR1130012 | SPA | KOILADA KOMPSATOU | 16.600,86 | EL12 | EL1208 |
| 12 | GR1130006 | SCI | POTAMOS FILIOURIS | 2.058,44 | EL12 | EL1209 |
| 13 | GR1130011 | SPA | KOILADA FILIOURI | 37.565,90 | EL12 | EL1209 |
| 14 | GR1110002 | SPA | DASOS DADIAS – SOUFLI | 41.111,58 | EL12 | EL1210 |
| 15 | GR1110003 | SCI | TREIS VRYSES | 9.912,62 | EL12 | EL1210 |
| 16 | GR1110005 | SCI | VOUNA EVROU | 42.372,50 | EL12 | EL1210 |
| 17 | GR1110006 | SPA | DELTA EVROU | 12.557,92 | EL12 | EL1210 |
| 18 | GR1110007 | SCI | DELTA EVROU KAI DYTIKOS VRACHIONAS | 9.857,56 | EL12 | EL1210 |
| 19 | GR1110008 | SPA | PARAPOTAMIO DASOS VOREIOU EVROU KAI ARDA | 25.931,73 | EL12 | EL1210 |
| 20 | GR1110009 | SPA | NOTIO DASIKO SYMPLEGMA EVROU | 29.275,36 | EL12 | EL1210 |
| 21 | GR1110010 | SPA | OREINOS EVROS - KOILADA DEREIOU | 48.907,49 | EL12 | EL1210 |
| 22 | GR1110011 | SPA | KOILADA ERYTHROPOTAMOU: ASVESTADES, KOUFOVOUNO, VRYSIKA | 9.587,12 | EL12 | EL1210 |
| 23 | GR1110004 | SCI | FENGARI SAMOTHRAKIS, ANATOLIKES AKTES, VRACHONISSIDA ZOURAFA KAI THALASSIA ZONI | 16.437,74 | EL12 | EL1242 |
| 24 | GR1110012 | SPA | SAMOTHRAKI: OROS FENGARI KAI PARAKTIA ZONI | 21.021,87 | EL12 | EL1242 |
| 25 | GR1150008 | SCI | ORMOS POTAMIAS - AKR. PYRGOS EOS N. GRAMVOUSSA | 357,89 | EL12 | EL1242 |
| 26 | GR1150012 | SPA | THASOS (OROS YPSARIO KAI PARAKTIA ZONI) KAI NISIDES KOINYRA, XIRONISI | 17.592,29 | EL12 | EL1242 |

*Table 4-16: Small Island Wetlands in Thrace RBD (EL12)*

| No | NAME | CODE | ISLAND | PREFECTURE | AREA (ha) |
|---|---|---|---|---|---|
| 1 | EKVOLI POTAMOU VATOU | ELY111SAT001 | SAMOTHRACE | EVROU | 6,60 |
| 2 | EKVOLI RYAKA FONIA | ELY111SAT002 | SAMOTHRACE | EVROU | 5,47 |
| 3 | ELOS PALAIAPOLIS | ELY111SAT007 | SAMOTHRACE | EVROU | 1,45 |
| 4 | ELOS FONIA | ELY111SAT008 | SAMOTHRACE | EVROU | 1,07 |
| 5 | EKVOLI RYAKA KATSAMPA | ELY111SAT009 | SAMOTHRACE | EVROU | 1,27 |
| 6 | LIMNI STO FYLAKIO | ELY111SAT011 | SAMOTHRACE | EVROU | 1,06 |
| 7 | VDELOLIMNI | ELY111SAT012 | SAMOTHRACE | EVROU | 2,66 |
| 8 | EKVOLI XIROPOTAMOU | ELY111SAT013 | SAMOTHRACE | EVROU | 5,18 |

Also, in the Thrace RBD (EL12) there are **four (4) National Parks**: (a) the **"National Park of Evros Delta"** that was designated under the JMD 4110/2007 (Government Gazette 102/D/16.3.2007), (b) the **"National Park of Dasos Dadias – Leukimis – Soufliou"** that was designated under the JMD 35633/2006 (Government Gazette 911/D/13.10.2006), (c) the **"National Park of Eastern Macedonia and Thrace (Nestos Delta, Vistonida, Ismarida)"** that was designated under the JMD 44549/2008 (Government Gazette 497/D/17.10.2008) and (d) the **"National Park of of Rodopi Mountain"** that was designated under the JMD 40379/2009 (Government Gazette 445/D/2.10.2009). The National Parks' borders are mainly within the Natura 2000 Protected Areas.

### 4.4.5 Areas designated for the protection of aquatic speciesof economic importance

During the 1st RBMP and also in the 1st Update, in the Register of Protected Areas seven (7) coastal water bodies under the Directive 2006/113/EC and five (5) river water bodies under the Directive 2006/44/EC were included (see tables below).

The coastal areas were chosen because they include "Aquaculture Development Areas", as designated in Table 1 of the Annex of Ministerial Decision 31722/4.11.2011.

*Table 4-17: Protected Areas under Directive 2006/113/EK*

| No | PROTECTED AREA CODE | WB CODE | WB NAME | WB CATEGORY |
|---|---|---|---|---|
| 1 | EL1207C0001NSH | EL1207C0001N | EASTERN KAVALA GULF | COASTAL |
| 2 | EL1207C0002NSH | EL1207C0002N | NORTHERN COASTS OF THASOS CHANNEL | COASTAL |
| 3 | EL1207C0003NSH | EL1207C0003N | AVDIRA BEACH | COASTAL |
| 4 | EL1208C0004NSH | EL1208C0004N | VISTONIKOS GULF | COASTAL |
| 5 | EL1208C0005NSH | EL1208C0005N | WESTERN COASTS OF THRACIAN SEA | COASTAL |
| 6 | EL1210C0006NSH | EL1210C0006N | EASTERN COASTS OF THRACIAN SEA | COASTAL |
| 7 | EL1242C0012NSH | EL1242C0012N | THASOS COASTS | COASTAL |

*Table 4-18: Protected Areas under Directive 2006/44/EK*

| No | PROTECTED AREA CODE | WB CODE | WB NAME | WB CATEGORY |
|---|---|---|---|---|
| 1 | EL1207R0002240036NFI | EL1207R0002240036N | LOUTROU R. | RIVER |
| 2 | EL1207R0002240037NFI | EL1207R0002240037N | LOUTROU R. | RIVER |
| 3 | EL1207R0002240038NFI | EL1207R0002240038N | LOUTROU R. | RIVER |
| 4 | EL1207R0002140014NFI | EL1207R0002140014N | ARKOUDOREMA R. | RIVER |
| 5 | EL1208R0000090060NFI | EL1208R0000090060N | KOSYNTHOS R. | RIVER |

# 5 PRESSURES AND IMPACTS

The anthropogenic pressures in water bodies are the total of anthropogenic pressures in water bodies that affect or can affect the water bodies of the area in which they are developed. These pressures have an important role because they could be the cause to fail the environmental objectives according to EC No 03 Guidance DocumentThe sources of pollution aredifferentiated in the follow categories:

- Point sources of pollution
- Diffuse sources of pollution
- Water flow regulation and morphological alterations
- Abstractions
- Artificial recharge of groundwater bodies
- Alteration of water level or volume
- Other impacts of human activity on the status of water
- Deteriorationof waters from other sources of pollution

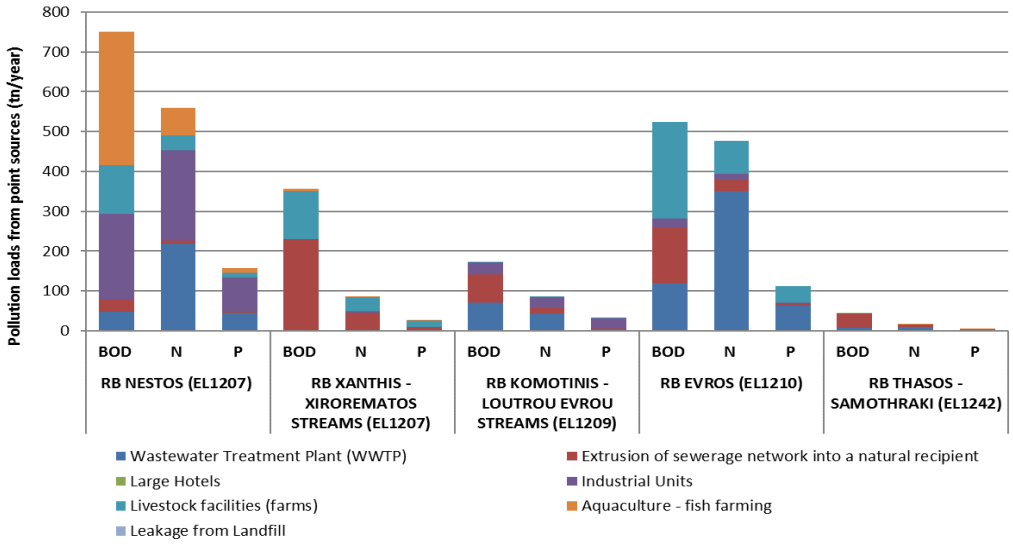
## 5.1 Point sources of pollution

It includes all point sources of pollution that produce criteria pollutants (BOD, N, P). The list of categories of these pressures includes:

- Wastewater Treatment Plants (WWTP).
- Extrusion of sewerage networks into a natural recipient.
- Large hotels.
- Industrial units.
- Livestock facilities (farms).
- Aquaculture – fish farming.
- Leakage from landfill.

The total annual loads of BOD, N and P, from the above point sources are presented in the following figure and tables, per RB.

*Figure 5-1: Total annual loads of BOD, N and P that are produced in RB Nestos (EL1207), Xanthis – Xiroremato streams (EL1208), Komotinis – Loutrou Evrou streams (EL1209), Evros (EL1210) and Thasos – Samothraki (EL1242) from point sources of pollution*



## RB Nestos (EL1207)

*Table 5-1: Total annual loads of BOD, N and P that are produced in RB Nestos (EL1207) from point sources of pollution*

| POINT SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| Industrial Units | 213,3 | 226,9 | 87,4 |
| Leakage from Landfill | 0,0 | 0,0 | 0,0 |
| Wastewater Treatment Plant (WWTP) | 47,2 | 219,0 | 45,6 |
| Extrusion of sewerage networks into a natural recipient | 32,2 | 6,4 | 1,3 |
| Large Hotels | 0,0 | 0,0 | 0,0 |
| Aquaculture – Fish Farming | 335,2 | 67,4 | 11,3 |
| Livestock Facilities (Farms) | 122,9 | 38,9 | 11,7 |
| **TOTAL** | **750,8** | **558,6** | **157,4** |

## RB Xanthis – Xiroremátos streams (EL1208)

*Table 5-2: Total annual loads of BOD, N and P that are produced in RB Xanthis – Xiroremátos streams (EL1208) from point sources of pollution*

| POINT SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| Industrial Units | 2,5 | 3,4 | 1,1 |
| Leakage from Landfill | 0,0 | 0,0 | 0,0 |
| Wastewater Treatment Plant (WWTP) | 0,0 | 0,0 | 0,0 |
| Extrusion of sewerage networks into a natural recipient | 227,5 | 45,5 | 9,5 |
| Large Hotels | 0,0 | 0,0 | 0,0 |
| Aquaculture – Fish Farming | 5,8 | 1,2 | 0,2 |
| Livestock Facilities (Farms) | 121,2 | 34,8 | 15,3 |
| **TOTAL** | **356,9** | **84,8** | **26,1** |

## RB Komotinis – Loutrou Evrou streams (EL1209)

*Table 5-3: Total annual loads of BOD, N and P that are produced in RB Komotinis – Loutrou Evrou streams (EL1209) from point sources of pollution*

| POINT SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| Industrial Units | 27,9 | 26,1 | 25,9 |
| Leakage from Landfill | 0,0 | 0,0 | 0,0 |
| Wastewater Treatment Plant (WWTP) | 70,1 | 43,0 | 2,8 |
| Extrusion of sewerage networks into a natural recipient | 72,4 | 14,5 | 3,0 |
| Large Hotels | 0,0 | 0,0 | 0,0 |
| Aquaculture – Fish Farming | 0,0 | 0,0 | 0,0 |
| Livestock Facilities (Farms) | 3,1 | 1,8 | 0,4 |
| **TOTAL** | **173,6** | **85,3** | **32,1** |

## RB Evros (EL1210)

*Table 5-4: Total annual loads of BOD, N and P that are produced in RB Evros (EL1210) from point sources of pollution*

| POINT SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| Industrial Units | 23,4 | 17,2 | 2,3 |
| Leakage from Landfill | 0,0 | 0,0 | 0,0 |
| Wastewater Treatment Plant (WWTP) | 120,2 | 349,8 | 61,9 |
| Extrusion of sewerage networks into a natural recipient | 137,7 | 27,5 | 5,7 |
| Large Hotels | 0,0 | 0,0 | 0,0 |
| Aquaculture – Fish Farming | 0,0 | 0,0 | 0,0 |
| Livestock Facilities (Farms) | 242,8 | 81,1 | 41,6 |
| **TOTAL** | **524,2** | **475,7** | **111,6** |

**RB Thasos - Samothraki (EL1242)**

*Table 5-5: Total annual loads of BOD, N and P that are produced in RB Thasos - Samothraki (EL1242) from point sources of pollution*

| POINT SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| Industrial Units | 0,0 | 0,0 | 0,0 |
| Leakage from Landfill | 0,0 | 0,0 | 0,0 |
| Wastewater Treatment Plant (WWTP) | 8,2 | 8,8 | 1,3 |
| Extrusion of sewerage networks into a natural recipient | 34,5 | 6,9 | 1,4 |
| Large Hotels | 0,0 | 0,0 | 0,0 |
| Aquaculture – Fish Farming | 0,0 | 0,3 | 0,0 |
| Livestock Facilities (Farms) | 0,0 | 0,0 | 0,0 |
| **TOTAL** | **42,7** | **16,0** | **2,8** |

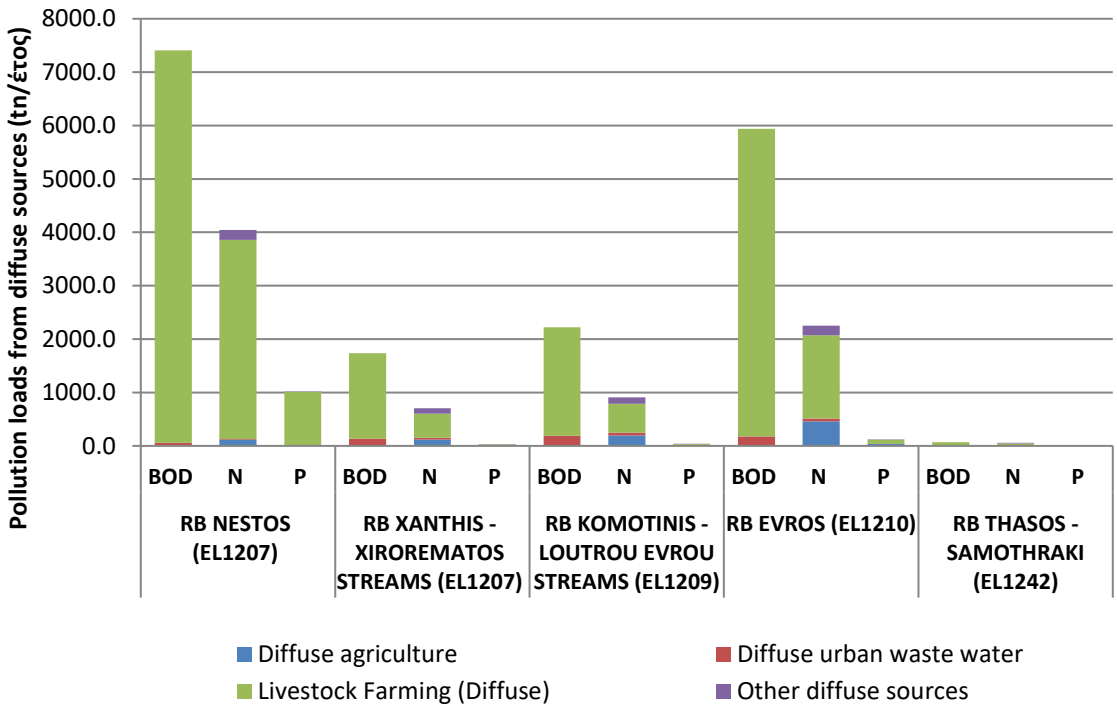
## 5.2 Diffuse sources of pollution

It includes all diffuse sources of pollution that produce criteria pollutants (BOD, N, P). The list of categories of these pressures includes:

- Agriculture.
- Urban waste water that doesn't end up in WWTP.
- Livestock farming.
- Other diffuse sources (i.e. forests, pastures etc).

The total annual loads of BOD, N and P, from the above diffuse sources are presented in the following figure and tables.

*Figure 5-2: Total annual loads of BOD, N and P that are produced in RB Nestos (EL1207), Xanthis – Xirorematos streams (EL1208), Komotinis – Loutrou Evrou streams (EL1209), Evros (EL1210) and Thasos – Samothraki (EL1242) from diffuse sources of pollution*



### RB Nestos (EL1207)

*Table 5-6: Total annual loads of BOD, N and P that are produced in RB Nestos (EL1207) from diffuse sources of pollution*

| DIFFUSE SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| URBAN WASTE WATER | 57,7 | 16,4 | 0,5 |
| AGRICULTURE | 0,0 | 114,7 | 5,1 |
| LIVESTOCK FARMING | 7353,4 | 3728,3 | 1003,6 |
| OTHER SOURCES | 0,0 | 184,4 | 1,3 |
| **TOTAL** | **7411,1** | **4044,0** | **1010,6** |

### RB Xanthis – Xiroremátos streams (EL1208)

*Table 5-7: Total annual loads of BOD, N and P that are produced in RB Xanthis - Xiroremátos streams (EL1208) from diffuse sources of pollution*

| DIFFUSE SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| URBAN WASTE WATER | 135,4 | 38,7 | 1,0 |
| AGRICULTURE | 0,0 | 115,1 | 7,2 |
| LIVESTOCK FARMING | 1601,1 | 449,0 | 21,0 |
| OTHER SOURCES | 0,0 | 101,6 | 1,5 |
| **TOTAL** | **1736,5** | **704,3** | **30,7** |

### RB Komotinis – Loutrou Evrou streams (EL1209)

*Table 5-8: Total annual loads of BOD, N and P that are produced in RB Komotinis – Loutrou Evrou streams (EL1209) from diffuse sources of pollution*

| DIFFUSE SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| URBAN WASTE WATER | 186,7 | 53,2 | 1,3 |
| AGRICULTURE | 0,0 | 196,7 | 11,9 |
| LIVESTOCK FARMING | 2038,2 | 538,5 | 19,5 |
| OTHER SOURCES | 0,0 | 118,0 | 0,9 |
| **TOTAL** | **2224,8** | **906,4** | **33,6** |

### RB Evros (EL1210)

*Table 5-9: Total annual loads of BOD, N and P that are produced in RB Evros (EL1210) from diffuse sources of pollution*

| DIFFUSE SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| URBAN WASTE WATER | 179,4 | 51,3 | 1,5 |
| AGRICULTURE | 0,0 | 461,2 | 37,4 |
| LIVESTOCK FARMING | 5761,0 | 1558,7 | 78,0 |
| OTHER SOURCES | 0,0 | 181,8 | 1,0 |
| **TOTAL** | **5940,4** | **2253,0** | **118,0** |

### RB Thasos - Samothraki (EL1242)

*Table 5-10: Total annual loads of BOD, N and P that are produced in RB Thasos - Samothraki (EL1242) from diffuse sources of pollution*

| DIFFUSE SOURCES OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| URBAN WASTE WATER | 14,6 | 4,2 | 0,1 |
| AGRICULTURE | 0,0 | 13,0 | 0,5 |
| LIVESTOCK FARMING | 52,9 | 27,6 | 2,4 |
| OTHER SOURCES | 0,0 | 12,4 | 0,1 |
| **TOTAL** | **67,5** | **57,2** | **3,1** |

## 5.3 Hydromorphological pressures

### 5.3.1 Hydromorphological alterations and modifications

The hydromorphological alterations of SWBs, in every RB of the Thrace RBD, are presented in the following tables.

**RB Nestos (EL1207)**

*Table 5-11: Hydromorphological alterations due to projects onSWB (HMWB-AWB) of Nestos RB (EL1207)*

| REGIONAL UNIT | PROJECT | USE OF PROJECT | WB CODE | AREA (km²) / LENGTH (km) HMWB-AWB | HMWB-AWB |
|---|---|---|---|---|---|
| KAVALAS | River TrainingNestos R. | Abstractions - Irrigation | EL1207R0002000002H, EL1207R0002010001H, EL1207R0002000004H | 30,88 km | HMWB |
| KAVALAS | River TrainingLaspias R. | Irrigation | EL1207R0005010050H, EL1207R0005010051H | 15,19 km | HMWB |
| DRAMAS | Thisavros Dam | Hydropowerproduction, Irrigation | EL1207RLB02000001H | 13,26 km² | HMWB |
| DRAMAS | Platanovryssi Dam | Hydropowerproduction, Irrigation | EL1207RL002150002H | 3,25 km² | HMWB |

**RB Xanthis – Xirorematosstreams (EL1208)**

*Table 5-12: Hydromorphological alterations due to projects onSWB (HMWB-AWB) of Xanthis – Xirorematos streams RB (EL1208)*

| REGIONAL UNIT | PROJECT | USE OF PROJECT | WB CODE | AREA (km²) / LENGTH (km) HMWB-AWB | HMWB-AWB |
|---|---|---|---|---|---|
| XANTHIS | River Training Ammorema R. | Irrigation, Flood protection | EL1208R0000010063H | 5,16 km | HMWB |
| XANTHIS | River TrainingAspropotamos R. | Irrigation, Flood protection | EL1208R0000010080H | 14,74 km | HMWB |
| XANTHIS | River TrainingKosynthos R. | Flood protection | EL1208R0000030056H, EL1208R0000030055H, EL1208R0000030052H | 13,68 km | HMWB |

**RB Komotinis – Loutrou Evrou streams (EL1209)**

*Table 5-13: Hydromorphological alterations due to projects on SWB (HMWB-AWB) of Komotinis – Loutrou Evroustreams RB (EL1209)*

| REGIONAL UNIT | PROJECT | USE OF PROJECT | WB CODE | AREA (km²) / LENGTH (km) HMWB-AWB | HMWB-AWB |
|---|---|---|---|---|---|
| RODOPIS | River Training Lissos R. | Irrigation, Flood protection | EL1209R00020000102H, EL1209R0002000094H, EL1209R0002000095H | 33,18 km | HMWB |
| RODOPIS | River TrainingKarydorema R. | Flood protection, Drainage | EL1209R0000020086H | 11,47 km | HMWB |
| RODOPIS | New rivebed and River Training Sidirorema R. | Flood protection, Drainage | EL1209R0002040014H | 3,01 km | HMWB |
| RODOPIS | Gratini Reservoir | Komotini Thermal Plant Cooling, Irrigation | EL1209RL002040003H | 1,43 km² | HMWB |
| RODOPIS | N. Adriani Reservoir | Irrigation | EL1209RL000010005H | 0,62 km² | HMWB |

**RB Evros (EL1210)**

*Table 5-14: Hydromorphological alterations due to projects on SWB (HMWB-AWB) of Evros RB (EL1210)*

| REGIONAL UNIT | PROJECT | USE OF PROJECT | WB CODE | AREA (km²) / LENGTH (km) HMWB-AWB | HMWB-AWB |
|---|---|---|---|---|---|
| EVROU | River Training ARAPIS R. | Irrigation, Flood protection | EL1210R00030100114H | 2,22 km | HMWB |
| EVROU | River Training ARDANIOU R. | Irrigation, Flood protection | EL1210R00020100126H | 6,03 km | HMWB |
| EVROU | River Training MAVROREMA R. | Irrigation, Flood protection | EL1210R00020400141H | 9,69 km | HMWB |
| EVROU | River Training PROVATONAS R. | Irrigation, Flood protection | EL1210R00020200139H | 10,02 km | HMWB |
| EVROU | River Training MANNA R. | Irrigation, Flood protection | EL1210R00021401169H | 2,9 km | HMWB |
| EVROU | River Training DASOS R. | Irrigation, Flood protection | EL1210R00021400172H | 8,51 km | HMWB |
| EVROU | River Training MPERDEMENO R. | Irrigation, Flood protection | EL1210R00021400171H | 11,8 km | HMWB |
| EVROU | River Training EVROS R. | Flood protection | EL1210R0T020100137H, EL1210R0T020100134H, EL1210R0T020100135H | 23,68 km | HMWB |
| EVROU | Esymi Reservoir | Drinking water supply for Alexandroupoli | EL1210RL009010004H | 0,98 km² | HMWB |
| EVROU | Alexandroupolis Port | Port | EL1210C0007H | 5,1 km² | HMWB |

**RB Thasos - Samothraki (EL1242)**

There are no hydromorphological alterations on the SWB of RB Thasos – Samothraki (EL1242)

### 5.3.2 Sandpits

**RB Xanthis – Xirorematos streams (EL1208)**

In Xanthis – Xirorematos streams RB (EL1208), the Municipality of Iasmos has the right to siphon from certain positions of river Kompsatos, while there is also a decision from the Prefect of Xanthi to exploit sandpits in river Kosynthos.

**RB Komotinis – Loutrou Evrou streams (EL1209)**

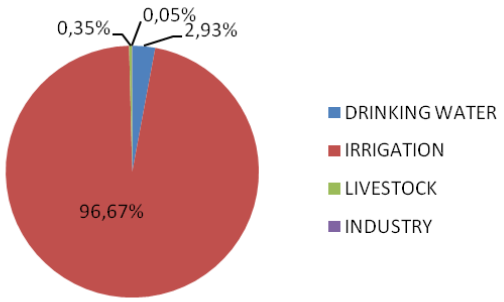
In Komotinis – Loutrou Evrou streams RB (EL1209), in the past, sandblastings has been carried out along LISSOS R. (EL1209R00020000106N), MELISSORREMA R. (EL1209R00021000107N), AMYGDALORREMA R. (EL1209R0002040199H) and SIDIRORREMA R. (EL1209R0002040098N).Also, extensive sandpits were also made in CHIONOREMA R. (EL1209R0000030089N). All these activities have been stoped.

## 5.4 Water Abstraction

**Nestos RB (EL1207)**

In Nestos River Basin, the total annual abstractions of water for all uses are estimated at 268,07 $hm^3$. The largest amount relates to irrigation (259,16 $hm^3$, 96,67%), a small amount relates to drinking water (7,85 $hm^3$, 2,93%), while the estimated abstractions related to livestock breeding and industry are 0,93 $hm^3$ (0,35%) and 0,14 $hm^3$ (0,05%) respectively.

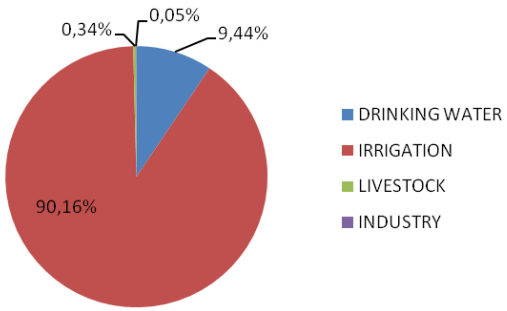
*Figure 5-3: Distribution of abstractions in NestosRB (EL1207)*




**Xanthis – Xirorematos Streams RB (EL1208)**

In Xanthis – Xirorematos Streams River Basin, the total annual abstractions of water for all uses are estimated at 167,92 $hm^3$. The largest amount relates to irrigation (151,39 $hm^3$, 90,16%), a small amount relates to drinking water (15,86 $hm^3$, 9,44%), while the estimated abstractions related to livestock breeding and industry are 0,58 $hm^3$ (0,34%) and 0,09 $hm^3$ (0,05%) respectively.

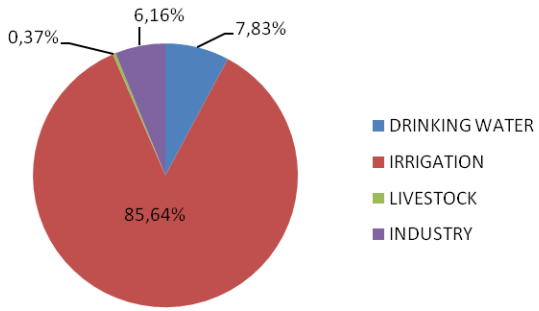
*Figure 5-4: Distribution of abstractions in Xanthis Xirorematos Streams RB (EL1208)*




**Komotinis – Loutrou Evrou Streams RB (EL1209)**

In Komotinis – Loutrou Evrou Streams River Basin, the total annual abstractions of water for all uses are estimated at 187,34 $hm^3$. The largest amount relates to irrigation (160,44 $hm^3$, 85,64%),smaller amounts relate to drinking water (14,66 $hm^3$, 7,83%) andindustry (11,55 $hm^3$, 6,16%), while a very small amount relates to livestock breeding (0,70 $hm^3$, 0,37%).

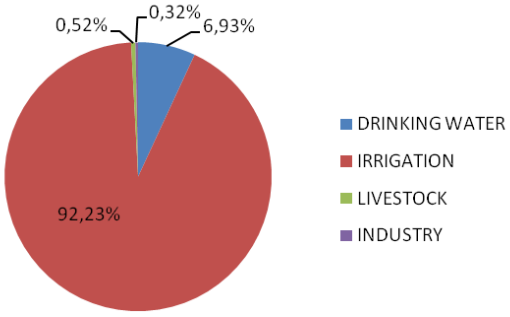
*Figure 5-5: Distribution of abstractions inKomotinis – Loutrou Evrou Streams RB (EL1209)*




**Evros RB (EL1210)**

In Evros River Basin, the total annual abstractions of water for all uses are estimated at 315,47 $hm^3$. The largest amount relates to irrigation (290,95 $hm^3$, 92,23%),a small amount relates to drinking water (21,86 $hm^3$, 6,93%), while the estimated abstractions related to livestock breeding and industry are 1,65 $hm^3$ (0,52%) and 1,01 $hm^3$ (0,32%) respectively.

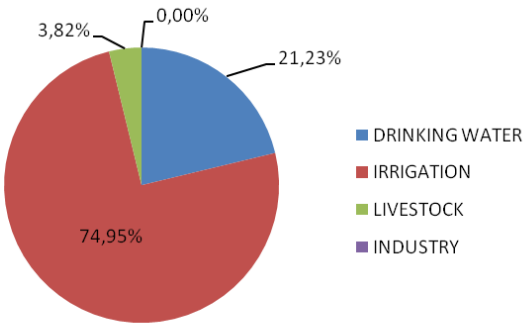
*Figure 5-6: Distribution of abstractions in Evros RB (EL1210).*




**Thasos – Samothraki RB (EL1242)**

In Thasos - Samothraki River Basin, the total annual abstractions of water for all uses are estimated at 1,32 $hm^3$. The largest amount relates to irrigation (0,99 $hm^3$, 74,95%), a significant amount relates to drinking water (0,28 $hm^3$, 21,23%) and a very small amount relates to livestock breeding (0,05 $hm^3$, 3,82%).

*Figure 5-7: Distribution of abstractions inThasos – Samothraki RB (EL1242).*



**Abstractions from Surface Water Bodies**

The annual abstractions per SWB for each RB of the Thrace RBD are presented at the following tables. Other surface water bodies, that are not listed in the table below, may also be discharged. Inanycase, the water abstractions in these bodies are very small and aren't recorded at the National Register of Points of Abstractions.

The aforementioned annual abstractions concern mainly agricultural irrigation by collective networks. Full inventory recording is under way through the National Register of Points of Abstractions and the implementation of certain Measures that are proposed in this Plan.

**Nestos RB (EL1207)**

The annual abstractions in Nestos RB (EL1207) relate to agricultural irrigation.

*Table 5-15: Annual abstractions from SWB of Nestos RB (EL1207)*

| A/A | WB CODE | WB NAME | TYPE OF WB | ANNUAL ABSTRACTIONS OF WATER (hm³/year) | USE OF ABSTRACTION |
|---|---|---|---|---|---|
| 1 | EL1207R0002000004H | NESTOS P. | R | 121,76 | AGRICULTURE |

**Xanthis – Xirorematos Streams RB (EL1208)**

The annual abstractions in Xanthis - Xirorematos Streams RB (EL1208) relate to drinking water.

*Table 5-16: Annual abstractions from SWB of Xanthis – Xirorematos Streams RB (EL1208)*

| A/A | WB CODE | WB NAME | TYPE OF WB | ANNUAL ABSTRACTIONS OF WATER (hm³/year) | USE OF ABSTRACTION |
|---|---|---|---|---|---|
| 1 | EL1208R0000010067N | KOMPSATOS R. | R | 1,80 | DRINKING WATER |

**Komotinis – Loutrou Evrou Streams RB (EL1209)**

The annual abstractions in Komotinis – Loutrou Evrou Streams RB (EL1209) relate to industry. The stored water from Gratini Reservoir is used mainly for cooling in the Thermal Plant in the Industrial Area of Komotini.

*Table 5-17: Annual abstractions from SWB of Komotinis – Loutrou Evrou Streams RB (EL1209)*

| A/A | WB CODE | WB NAME | TYPE OF WB | ANNUAL ABSTRACTIONS OF WATER (hm³/year) | USE OF ABSTRACTION |
|---|---|---|---|---|---|
| 1 | EL1209RL002040003H | GRATINI RES. | RL | 8,00 | INDUSTRY |

**Evros RB (EL1210)**

The annual abstractions in Evros RB (EL1210) relate to agricultural irrigation.

*Table 5-18: Annual abstractions from SWB of Evros RB (EL1210)*

| A/A | WB CODE | WB NAME | TYPE OF WB | ANNUAL ABSTRACTIONSOF WATER (hm³/year) | USE OF ABSTRACTION |
|---|---|---|---|---|---|
| 1 | EL1209RL002040003H | GRATINI RES. | RL | 8,00 | INDUSTRY |

**Evros RB (EL1210)**

There are no annual abstractions from SWBs in Thasos - Samothraki RB (EL1242).

**Abstractions from Ground water Bodies**

The annual abstractions per GWB and RB are presented at the following tables. No overpayments are observed from GWBs in the Thrace RBD (EL12).

*Table 5-19: Annual supply and abstractions from the GWBs of Nestos RB (EL1207)*

| WB CODE | WB NAME | Annual Average Recharge ($10^6$ m$^3$) | Annual Average Abstracts ($10^6$ m$^3$) | Drinking Water supply ($10^6$ m$^3$) | Irrigation ($10^6$ m$^3$) | Livestock ($10^6$ m$^3$) | Industry ($10^6$ m$^3$) | Quantitative status |
|---|---|---|---|---|---|---|---|---|
| EL1200060 | Nestos Delta | 75 | 34,02 | 3,8 | 30 | 0,42 | 0,1 | Good |
| EL1200070 | Ori Lekanis | 297 | 26,17 | 9,7 | 16,3 | 0,12 | - | Good |
| EL120B090 | Potamoi – Stavroupoli | 192 | 12,34 | 4,2 | 7,7 | 0,44 | - | Good |

*Table 5-20: Annual supply and abstractions from the GWBs of Xanthis - Xiroremátos Streams RB (EL1208)*

| WB CODE | WB NAME | Annual Average Recharge ($10^6$ m$^3$) | Annual Average Abstracts ($10^6$ m$^3$) | Drinking Water supply ($10^6$ m$^3$) | Irrigation ($10^6$ m$^3$) | Livestock ($10^6$ m$^3$) | Industry ($10^6$ m$^3$) | Quantitative status |
|---|---|---|---|---|---|---|---|---|
| EL1200050 | Xanthi – Komotini | 90 | 78,46 | 8 | 70 | 0,46 | 1,62 | Good |

*Table 5-21: Annual supply and abstractions from the GWBs of Komotinis – Loutrou Evrou Streams RB (EL1209)*

| WB CODE | WB NAME | Annual Average Recharge ($10^6$ m$^3$) | Annual Average Abstracts ($10^6$ m$^3$) | Drinking Water supply ($10^6$ m$^3$) | Irrigation ($10^6$ m$^3$) | Livestock ($10^6$ m$^3$) | Industry ($10^6$ m$^3$) | Quantitative status |
|---|---|---|---|---|---|---|---|---|
| EL1200040 | Filiouris | 21,5 | 19,39 | 1,7 | 17,6 | 0,09 | - | Good |
| EL120B100 | Drosinio | 90,5 | 43,77 | 10,15 | 33 | 0,62 | - | Good |
| EL1200110 | Maroneia | 16,5 | 13,73 | 0,7 | 13 | 0,037 | - | Good |
| EL1200120 | Rhodope | 51 | 27 | 2,5 | 24,3 | 0,20 | - | Good |

*Table 5-22: Annual supply and abstractions from the GWBs of Evros RB (EL1210)*

| WB CODE | WB NAME | Annual Average Recharge ($10^6$ m$^3$) | Annual Average Abstracts ($10^6$ m$^3$) | Drinking Water supply ($10^6$ m$^3$) | Irrigation ($10^6$ m$^3$) | Livestock ($10^6$ m$^3$) | Industry ($10^6$ m$^3$) | Quantitative status |
|---|---|---|---|---|---|---|---|---|
| EL12BT010 | Orestiada | 628 | 50,71 | 5 | 45 | 0,09 | 0,62 | Good |
| EL120T020 | Evros river adjacent area – Evros Delta | 14 | 13 | 0,66 | 12,3 | 0,04 | - | Good |
| EL1200030 | Makri | 11 | 2,9 | 0,52 | 1,54 | 0,03 | - | Good |
| EL1200130 | Alexandroupolis | 19 | 8,14 | 4 | 3,19 | 0,95 | - | Good |
| EL1200140 | Evros | 25,6 | 4,13 | 1,05 | 2,94 | 0,14 | - | Good |
| EL12BT150 | Soufli - Didimoticho | 77 | 20,42 | 4 | 16,2 | 0,16 | 0,05 | Good |

*Table 5-23: Annual supply and abstractions from the GWBs of Thasos - Samothraki RB (EL1242)*

| WB CODE | WB NAME | Annual Average Recharge ($10^6$ m$^3$) | Annual Average Abstracts ($10^6$ m$^3$) | Drinking Water supply ($10^6$ m$^3$) | Irrigation ($10^6$ m$^3$) | Livestock ($10^6$ m$^3$) | Industry ($10^6$ m$^3$) | Quantitative status |
|---|---|---|---|---|---|---|---|---|
| EL1200080 | Thasos | 43,5 | 2,765 | 1,9 | 0,8 | 0,065 | - | Good |
| EL1200160 | Thasos – Prinos | 11,4 | 1,51 | 1,05 | 0,43 | 0,03 | - | Good |
| EL1200170 | Samothraki | 20 | 3,73 | 0,74 | 2,92 | 0,07 | - | Good |
| EL1200180 | Samothraki - Xiropotamos | 1,5 | 0,62 | 0,12 | 0,48 | 0,02 | - | Good |

## 5.5 Other Pressures

Other pressures include:

- Run-offs from mining activities (mines)
- Desalination Units
- Ports – Marinas – Navigation
- Artificial recharge of grounwater bodies
- Alteration in groundwater level and quantity due to underground holdings or the construction of large underground works.

***Run-offs from mining activities (mines)***

In Thrace RBD (EL12), there is currently no active mine. Inthepast, therewasexploitationoftheMine Agiou Filippou, located northeast of the settlement Kirki in Municipality of Alexandroupoli. The aforementioned Mine is a significantly polluted area within Evros RB (EL1210).The abandoned mine is located within the sub-basin of stream Kirkalon, which ends in EIRINI R. (EL1210R00050300119N) after 5 km.

***Desalination Units***

In Thrace RBD (EL12), there are no desalination units.

***Ports – Marinas – Navigation***

In Thrace RBD (EL12), there are nine (9) ports and eleven (11) fishing shelters.

***Artificial recharge of groundwater bodies***

In Thrace RBD (EL12), no artificial recharge is applied to groundwater bodies.

Implementation experiments have been carried out at the west part of GWB “Xanthi - Komotini” (EL1200050) and the east part of GWB “Nestos Delta” (EL1200060).

Consideration could be given to apply artificial recharge to the GWBs “Nestos Delta” (EL1200060), “Xanthi – Komotini” (EL1200050), “Filiouris” (EL1200040) and “Alexandroupoli” (EL1200130).

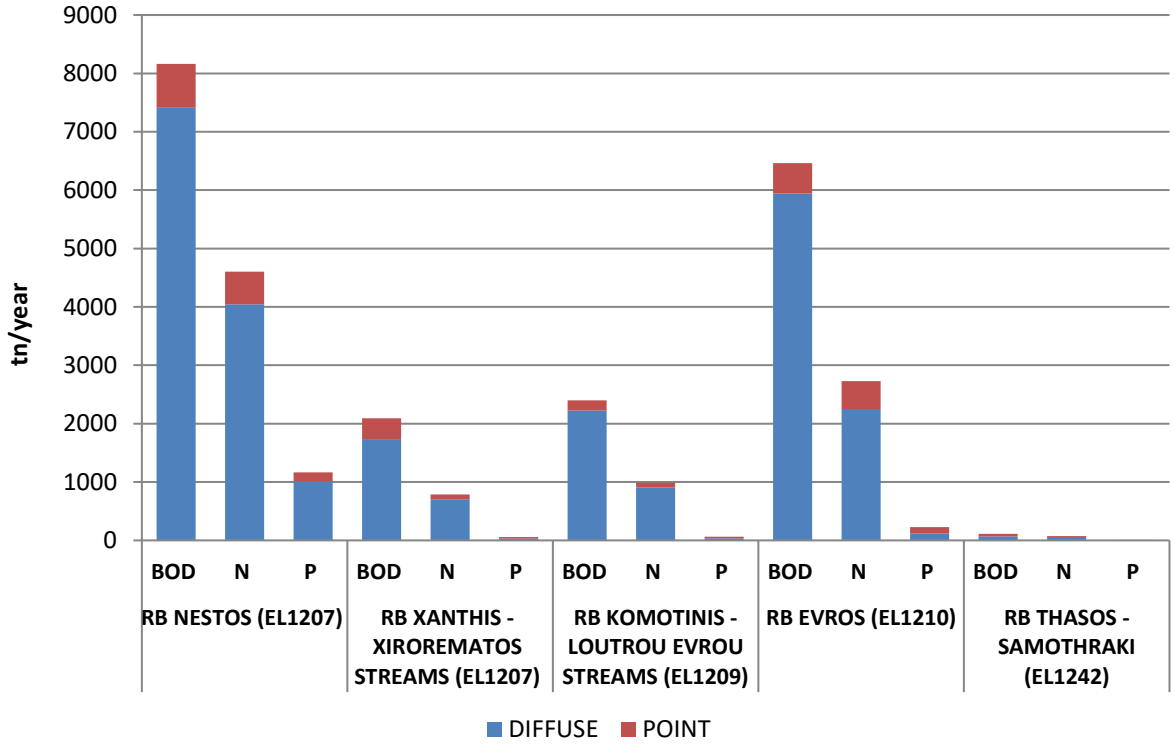
***Alteration in ground water level and quantity due to underground holdings or the construction of large underground works***

In Thrace RBD (EL12), there are no underground holdings or construction of large underground works.

## 5.6 Aggregate Pressure Data

The total annual loads of BOD, N and P from the individual sources of point and diffuse pollution are presented in the following figure and tables, per RB.

*Figure 5-8: Total annual loads of BOD, N and P that are produced in RB Nestos (EL1207), Xanthis – Xiroremato streams (EL1208), Komotinis – Loutrou Evrou streams (EL1209), Evros (1210) and Thasos – Samothraki (EL1242) from all (point and diffuse) sources of pollution*




### Nestos RB (EL1207)

*Table 5-24: Total annual loads of BOD, N and P that are produced in RB Nestos (EL1207) from all (point and diffuse) sources of pollution*

| SOURCE OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| DIFFUSE | 7411,2 | 4044,0 | 1010,6 |
| POINT | 750,8 | 558,6 | 157,4 |
| **TOTAL** | **8162,0** | **4602,6** | **1168,0** |

### Xanthis - Xiroremato Streams RB (EL1207)

*Table 5-25: Total annual loads of BOD, N and P that are produced in RB Xanthis – Xiroremato Streams (EL1208) from all (point and diffuse) sources of pollution*

| SOURCE OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| DIFFUSE | 1736,5 | 704,3 | 30,7 |
| POINT | 356,9 | 84,8 | 26,1 |
| **TOTAL** | **2093,3** | **789,1** | **56,8** |

### Komotinis – Loutrou Evrou Streams RB (EL1209)

*Table 5-26: Total annual loads of BOD, N and P that are produced in RB Komotinis – Loutrou Evrou Streams (EL1209) from all (point and diffuse) sources of pollution*

| SOURCE OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| DIFFUSE | 2224,8 | 906,4 | 33,6 |
| POINT | 173,6 | 85,3 | 32,1 |
| **TOTAL** | **2398,4** | **991,7** | **65,6** |

### Evros RB (EL1210)

*Table 5-27: Total annual loads of BOD, N and P that are produced in RB Evros (EL1210) from all (point and diffuse) sources of pollution*

| SOURCE OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| DIFFUSE | 5940,4 | 2253,0 | 118,0 |
| POINT | 524,2 | 475,7 | 111,6 |
| **TOTAL** | **6464,6** | **2728,7** | **229,6** |

### Thasos - Samothraki RB (EL1242)

*Table 5-28: Total annual loads of BOD, N and P that are produced in RB Thasos – Samothraki (EL1242) from all (point and diffuse) sources of pollution*

| SOURCE OF POLLUTION | BOD (tn/year) | N (tn/year) | P (tn/year) |
|---|---|---|---|
| DIFFUSE | 67,5 | 57,2 | 3,1 |
| POINT | 42,7 | 16,0 | 2,8 |
| **TOTAL** | **110,2** | **73,2** | **5,8** |

## 5.7 Impacts assessment

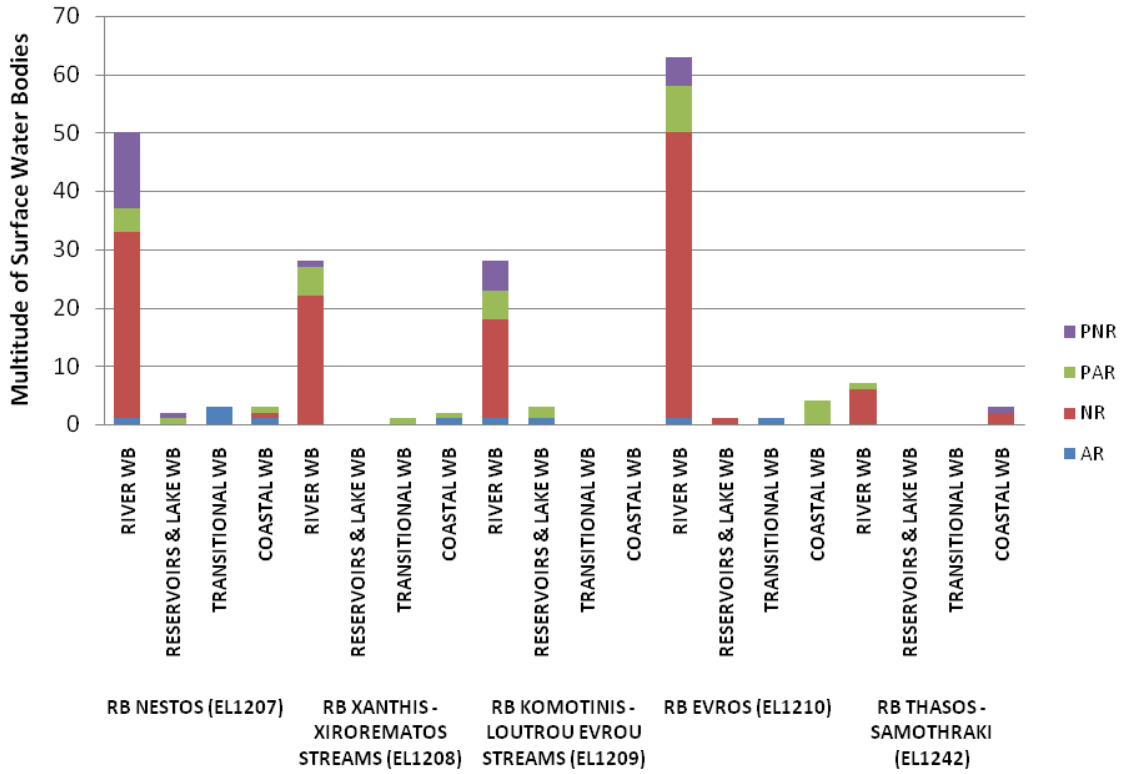
### 5.7.1 Impact assessment on Surface Water Bodies

In assessing the impacts and the characterization of the water bodies on the basis of the possibility of achieving the environmental objectives of the Directive 2000/60/EC, the following are being taken into consideration:

- Pressure tension from all significant sources of pollution and abstractions: High (H), Medium (M), Low (L).
- The available data and results from the Monitoring Program.
- Expert judgement when no other data is available.

The risk assessment of the achievement of the objectives in this Plan for each RB of the Thrace RBD (EL12), is presented below by category of SWB.

*Figure 5-9: Risk assessment failure to achieve objectives of SWB in RB Nestos (EL1207), Xanthis – Xiroremato streams (EL1208), Komotinis – Loutrou Evrou streams (EL1209), Evros (1210) and Thasos – Samothraki (EL1242)*




**Nestos RB (EL1207)**

Out of fifty eight (58) SWB in Nestos RB (EL1207), five (5) WBs are At Risk (8,6%), six (6) WBs are Probably At Risk (10,3%), fourteen (14) WBs are Probably Not at Risk (24,2%) and thirty three (33) WBs are Not at Risk (56,9%).

*Table 5-24: Statistics of risk assessment failure to achieve objectives of SWB in RB Nestos (EL1207)*

| Category of WB | Risk Assessment* | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | NR | | PNR | | PAR | | AR | | |
| | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB |
| River WB | 32 | 64,0% | 13 | 26,0% | 4 | 8,0% | 1 | 2,0% | 50 |
| Lake WB & Reservoirs | 0 | 0,0% | 1 | 50,0% | 1 | 50,0% | 0 | 0,0% | 2 |
| Coastal WB | 1 | 33,3% | 0 | 0,0% | 1 | 33,3% | 1 | 33,3% | 3 |
| Transitional WB | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 3 | 100,0% | 3 |
| **Total** | **33** | **56,9%** | **14** | **24,2%** | **6** | **10,3%** | **5** | **8,6%** | **58** |
| ***** Risk Assessment of the achievement of the objectives: At Risk (AR), Probably At Risk (PAR), Probably Not at Risk (PNR), Not at Risk (NR)* | | | | | | | | | |

### Xanthis – Xirorematos Streams RB (EL1208)

Out of thirty one (31) SWB in Xanthis – Xirorematos Streams RB (EL1208), one (1) WB is At Risk (3,2%), seven (7) WBs are Probably At Risk (22,6%), one (1) WB is Probably Not at Risk (3,2%) and twenty two (22) WBs are Not at Risk (71,0%).

*Table 5-25: Statistics of risk assessment failure to achieve objectives of SWB in RB Xanthis – Xirorematos Streams (EL1208)*

| Category of WB | Risk Assessment* | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | NR | | PNR | | PAR | | AR | | |
| | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB |
| River WB | 22 | 78,6% | 1 | 3,6% | 5 | 17,9% | 0 | 0,0% | 28 |
| Lake WB & Reservoirs | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 |
| Coastal WB | 0 | 0,0% | 0 | 0,0% | 1 | 50,0% | 1 | 50,0% | 2 |
| Transitional WB | 0 | 0,0% | 0 | 0,0% | 1 | 100,0% | 0 | 0,0% | 1 |
| **Total** | **22** | **71,0%** | **1** | **3,2%** | **7** | **22,6%** | **1** | **3,2%** | **31** |
| ***** Risk Assessment of the achievement of the objectives: At Risk (AR), Probably At Risk (PAR), Probably Not at Risk (PNR), Not at Risk (NR)* | | | | | | | | | |

### Komotinis – Loutrou Evrou Streams RB (EL1209)

Out of thirty one (31) SWB in Komotinis – Loutrou Evrou Streams RB (EL1209), two (2) WBs are At Risk (6,5%), seven (7) WBs are Probably At Risk (22,6%), five (5) WBs are Probably Not at Risk (16,1%) and seventeen (17) WBs are Not at Risk (54,8%).

*Table 5-26: Statistics of risk assessment failure to achieve objectives of SWB in RB Komotinis – Loutrou Evrou Streams (EL1209)*

| Category of WB | Risk Assessment* | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | NR | | PNR | | PAR | | AR | | |
| | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB |
| River WB | 17 | 60,7% | 5 | 17,9% | 5 | 17,9% | 1 | 3,6% | 28 |
| Lake WB & Reservoirs | 0 | 0,0% | 0 | 0,0% | 2 | 66,7% | 1 | 33,3% | 3 |
| Coastal WB | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 |
| Transitional WB | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 |
| **Total** | **17** | **54,8%** | **5** | **16,1%** | **7** | **22,6%** | **2** | **6,5%** | **31** |
| ***** Risk Assessment of the achievement of the objectives: At Risk (AR), Probably At Risk (PAR), Probably Not at Risk (PNR), Not at Risk (NR)* | | | | | | | | | |

**Evros RB (EL1210)**

Out of sixty nine (69) SWB in Evros RB(EL1210), two (2) WBs are At Risk (2,9%), twelve (12) WBs are Probably At Risk (17,4%), five (5) WBs are Probably Not at Risk (7,2%) and fifty (50) WBs are Not at Risk (72,5%).

*Table 5-27: Statistics of risk assessment failure to achieve objectives of SWB in RB Evros (EL1210)*

| Category of WB | RiskAssessment* | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | NR | | PNR | | PAR | | AR | | |
| | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB |
| River WB | 49 | 77,8% | 5 | 7,9% | 8 | 12,7% | 1 | 1,6% | 63 |
| Lake WB & Reservoirs | 1 | 100,0% | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 1 |
| Coastal WB | 0 | 0,0% | 0 | 0,0% | 4 | 100,0% | 0 | 0,0% | 4 |
| Transitional WB | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 1 | 100,0% | 1 |
| **Total** | **50** | **72,5%** | **5** | **7,2%** | **12** | **17,4%** | **2** | **2,9%** | **69** |

** Risk Assessment of the achievement of the objectives: At Risk (AR), Probably At Risk (PAR), Probably Not at Risk (PNR), Not at Risk (NR)*

**Thasos - Samothraki RB (EL1242)**

Out of ten (10) SWBs in Thasos - Samothraki RB (EL1242), none is At Risk (0,0%), one (1) WB is Probably At Risk (10,0%), one (1) WB is Probably Not at Risk (10,0%) and eight (8) WBs are Not at Risk (80,0%).

*Table 5-28: Statistics of risk assessment failure to achieve objectives of SWB in RB Thasos – Samothraki (EL1242)*

| Category of WB | Risk Assessment* | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | NR | | PNR | | PAR | | AR | | |
| | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB | % of Number | Number of WB |
| River WB | 6 | 85,7% | 0 | 0,0% | 1 | 14,3% | 0 | 0,0% | 7 |
| Lake WB & Reservoirs | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 |
| Coastal WB | 2 | 66,7% | 1 | 33,3% | 0 | 0,0% | 0 | 0,0% | 3 |
| Transitional WB | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 | 0,0% | 0 |
| **Total** | **8** | **80,0%** | **1** | **10,0%** | **1** | **10,0%** | **0** | **0,0%** | **10** |

** Risk Assessment of the achievement of the objectives: At Risk (AR), Probably At Risk (PAR), Probably Not at Risk (PNR), Not at Risk (NR)*

### 5.7.2 Impacts assessment on Groundwater Bodies

The assessment of the qualitative and quantitative status of the groundwater bodies of each RB, is presented below.

**Nestos RB (EL1207)**

There are 3 GWBs in Nestos RB (EL1207), from which 1 GWB presents "Bad" chemical status. All 3 GWBs are in "Good" quantitative status.

*Table 5-29: Chemical status and Quantitative status of GWB in Nestos RB (EL1207)*

| No | WB CODE | WB NAME | Quantitative status | Decline water levels tendency | Chemical status | Quality problems | Pollutants tendency |
|---|---|---|---|---|---|---|---|
| 1 | EL1200060 | Nestos Delta | Good | NO | Bad | Local charges of $NO_3NO_2$,$NH_4$, EC and Cl due to anthropogenic pressures and salinization. Charges of As, Al and $SO_4$ due to natural background. | Local charges of $NH_4$ |
| 2 | EL1200070 | Ori Lekanis | Good | NO | Good | NO | NO |
| 3 | EL120B090 | Potamoi – Stavroupoli | Good | - | Good | NO | - |

**Xanthis – Xirorematos Streams RB (EL1208)**

There is one (1) GWB in Xanthis – Xirorematos Streams RB (EL1208), which presents "Bad" chemical status and "Good" quantitative status.

*Table 5-30: Chemical status and Quantitative status of GWB in Xanthis – Xirorematos Streams RB (EL1208)*

| No | WB CODE | WB NAME | Quantitative status | Decline water levels tendency | Chemical status | Quality problems | Pollutants tendency |
|---|---|---|---|---|---|---|---|
| 1 | EL1200050 | Xanthi - Komotini | Good | NO | Bad | Local charges of $NO_3NO_2$,EC and Cl due to anthropogenic pressures and salinization. Charges of As andAl due to natural background. | Values of EC, $NO_3$ and Cl above threshold value |

**Komotinis – Loutrou Evrou Streams RB (EL1209)**

There are four (4) GWB in Komotinis – Loutrou Evrou Streams RB (EL1209), from which one (1) GWB presents "Bad" chemical status. All four (4) GWB are in "Good" quantitative status.

*Table 5-31: Chemical status and Quantitative status of GWB in Komotinis – Loutrou Evrou Streams RB (EL1209)*

| No | WB CODE | WB NAME | Quantitative status | Decline water levels tendency | Chemical status | Quality problems | Pollutants tendency |
|---|---|---|---|---|---|---|---|
| 1 | EL1200040 | Filiouris | Good | NO | Bad | Local charges of $NO_3$and Cl due to anthropogenic pressures and salinization. | NO |
| 2 | EL120B100 | Drosinio | Good | - | Good | NO | - |
| 3 | EL1200110 | Maroneia | Good | - | Good | NO | - |
| 4 | EL1200120 | Rhodope | Good | - | Good | NO | - |

### Evros RB (EL1210)

There are six (6) GWB in Evros RB (EL1210), from which one (1) GWB presents "Bad" chemical status. All six (6) GWB are in "Good" quantitative status.

*Table 5-32: Chemical status and Quantitative status of GWB in Evros RB (EL1210)*

| No | WB CODE | WB NAME | Quantitative status | Decline water levels tendency | Chemical status | Quality problems | Pollutants tendency |
|---|---|---|---|---|---|---|---|
| 1 | EL12BT010 | Orestiada | Good | NO | Bad | Local charges of $NO_3$ due to anthropogenic pressures. Charges of As, Al, Pb and $SO_4$ due to natural background. | Local charges of $NO_3$ |
| 2 | EL120T020 | Evros river adjacent area – Evros Delta | Good | NO | Good | Charges of Cl and EC due to natural background. | Values of EC and Clabovethreshold value |
| 3 | EL1200030 | Makri | Good | NO | Good | NO | NO |
| 4 | EL1200130 | Alexandroupolis | Good | - | Good | NO | NO |
| 5 | EL1200140 | Evros | Good | - | Good | - | - |
| 6 | EL12BT150 | Soufli - Didimoticho | Good | - | Good | - | - |

### Thasos - Samothraki RB (EL1242)

There are four (4) GWB in Thasos – Sanothraki RB (EL1242). All GWB present "Good" chemical and quantitative status.

*Table 5-33: Chemical status and Quantitative status of GWB in Thasos – Samothraki RB (EL1242)*

| No | WB CODE | WB NAME | Quantitative status | Decline water levels tendency | Chemical status | Quality problems | Pollutants tendency |
|---|---|---|---|---|---|---|---|
| 1 | EL1200080 | Thasos | Good | NO | Good | NO | - |
| 2 | EL1200160 | Thasos – Prinos | Good | - | Good | NO | - |
| 3 | EL1200170 | Samothraki | Good | - | Good | NO | - |
| 4 | EL1200180 | Samothraki - Xiropotamos | Good | - | Good | NO | - |

# 6 CLASSIFICATION OF WATER BODIES STATUS

## 6.1 Classification of Surface Water Bodies status

### 6.1.1 Evaluation of River Water Bodies status

In the River Basin District of Thrace (EL12), **one hundred and seventy six (176) river WB** were identified, the ecological and chemical classification of which is presented in the following table. Reservoirs (heavily modified river water bodies) are presented as a separate category.

*Table 6-1: Classification of River WB status of Thrace RBD (EL12)*

| No | WB CODE | WB NAME | HMWB/AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| **RB NESTOS (EL1207)** | | | | | | | | | |
| 1 | EL1207R0002000002H | NESTOS P. | ✓ | ✓ | Moderate | Good | 3 | 2 | Moderate |
| 2 | EL1207R0002000004H | NESTOS P. | ✓ | | Unknown | Good | 0 | 1 | Unknown |
| 3 | EL1207R0002000005N | NESTOS P. | | ✓ | Moderate | Good | 3 | 1 | Moderate |
| 4 | EL1207R0002000006N | NESTOS P. | | | Good | Good | 3 | 2 | Good |
| 5 | EL1207R0002010001H | NESTOS P. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 6 | EL1207R0002020003N | XEROREMA R. | | | Good | Good | 1 | 1 | Good |
| 7 | EL1207R0002040007N | MAVROMYTHS R. | | | Good | Good | 1 | 1 | Good |
| 8 | EL1207R0002060008N | KATO REMA R. | | | Good | Good | 1 | 1 | Good |
| 9 | EL1207R0002080009N | CHRYSOREMA R. | | | Good | Good | 1 | 1 | Good |
| 10 | EL1207R0002100010N | ANONYMO R. | | | Good | Good | 1 | 1 | Good |
| 11 | EL1207R0002120011N | MELISSOXORIOY R. | | | Good | Good | 1 | 1 | Good |
| 12 | EL1207R0002120012N | MELISSOXORIOY R. | | | Good | Good | 1 | 1 | Good |
| 13 | EL1207R0002140013N | ARKOUDOREMA R. | | | Good | Good | 1 | 1 | Good |
| 14 | EL1207R0002140014N | ARKOUDOREMA R. | | ✓ | Good | Good | 3 | 1 | Good |
| 15 | EL1207R0002140020N | ARKOUDOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 16 | EL1207R0002140117N | ARKOUDOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 17 | EL1207R0002140118N | ARKOUDOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 18 | EL1207R0002140215N | ARKOUDOREMA R. | | | Good | Good | 1 | 1 | Good |
| 19 | EL1207R0002140216N | ARKOUDOREMA R. | | | Good | Good | 1 | 1 | Good |
| 20 | EL1207R0002140319N | ARKOUDOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 21 | EL1207R0002150021H | NESTOS P. | ✓ | | Unknown | Good | 0 | 1 | Unknown |
| 22 | EL1207R0002160022N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 23 | EL1207R0002160027N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 24 | EL1207R0002160123N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 25 | EL1207R0002160224N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 26 | EL1207R0002160225N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 27 | EL1207R0002160326N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 28 | EL1207R0002180028N | MEGALO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 29 | EL1207R0002180031N | MEGALO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 30 | EL1207R0002180032N | MEGALO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 31 | EL1207R0002180129N | MEGALO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 32 | EL1207R0002180230N | MEGALO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 33 | EL1207R0002200033N | PETROREMA | | ✓ | Good | Good | 1 | 1 | Good |
| 34 | EL1207R0002200034N | PETROREMA | | ✓ | Good | Good | 1 | 1 | Good |
| 35 | EL1207R0002220035N | MYLOY R. | | ✓ | Good | Good | 1 | 1 | Good |
| 36 | EL1207R0002240036N | LOUTROU R. | | ✓ | Good | Good | 1 | 1 | Good |
| 37 | EL1207R0002240037N | LOUTROU R. | | ✓ | Good | Good | 1 | 1 | Good |
| 38 | EL1207R0002240038N | LOUTROU R. | | ✓ | Good | Good | 1 | 1 | Good |
| 39 | EL1207R0002260039N | PSYCHROREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 40 | EL1207R0002280142N | DESPATHS P. | | ✓ | Good | Good | 1 | 1 | Good |

| No | WB CODE | WB NAME | HMWB/AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| 41 | EL1207R0002280143N | DESPATHS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 42 | EL1207R0002280244N | DESPATHS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 43 | EL1207R0002280245N | DESPATHS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 44 | EL1207R0002280347N | DESPATHS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 45 | EL1207R0002280348N | DESPATHS P. | | | Good | Good | 1 | 1 | Good |
| 46 | EL1207R0002300049N | MYLOREVMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 47 | EL1207R0005010050H | LASPIAS R. | ✓ | ✓ | Poor | Good | 3 | 2 | Unknown |
| 48 | EL1207R0005010051H | LASPIAS R. | ✓ | ✓ | Poor | Unknown | 3 | 0 | Unknown |
| 49 | EL1207R0B02000040N | NESTOS P. | | ✓ | Moderate | Good | 3 | 1 | Moderate |
| 50 | EL1207R0B02280041N | DESPATHS P. | | ✓ | Good | Failing to achieve Good | 3 | 2 | Moderate |
| **RB XANTHIS - XIROREMATOS STREAMS (EL1208)** | | | | | | | | | |
| 51 | EL1208R0000000057N | KOSYNTHOS R. | | ✓ | Poor | Good | 3 | 1 | Poor |
| 52 | EL1208R0000000059N | KOSYNTHOS R. | | | Good | Good | 1 | 1 | Good |
| 53 | EL1208R0000000069N | KOMPSATOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 54 | EL1208R0000000073N | KOMPSATOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 55 | EL1208R0000000076N | KOMPSATOS R. | | | Good | Good | 1 | 1 | Good |
| 56 | EL1208R0000010052H | KOSYNTHOS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 57 | EL1208R0000010063H | AMMOREMA R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 58 | EL1208R0000010064N | AMMOREMA R. | | | Moderate | Good | 3 | 1 | Moderate |
| 59 | EL1208R0000010066N | KOMPSATOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 60 | EL1208R0000010067N | KOMPSATOS R. | | ✓ | Moderate | Good | 3 | 2 | Moderate |
| 61 | EL1208R0000010068N | KOMPSATOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 62 | EL1208R0000010080H | ASPROPOTAMOS R. | ✓ | ✓ | Poor | Good | 3 | 2 | Poor |
| 63 | EL1208R0000020054N | MEGALO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 64 | EL1208R0000020082N | KOMPSATOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 65 | EL1208R0000030055H | KOSYNTHOS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 66 | EL1208R0000030056H | KOSYNTHOS R. | ✓ | ✓ | Moderate | Good | 3 | 2 | Moderate |
| 67 | EL1208R0000040058N | KOSYNTHOS R. | | | Good | Good | 1 | 1 | Good |
| 68 | EL1208R0000040083N | KOMPSATOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 69 | EL1208R0000060070N | XEROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 70 | EL1208R0000060071N | XEROPOTAMOS R. | | | Good | Good | 1 | 1 | Good |
| 71 | EL1208R0000060072N | THERMO LOYTRO R. | | | Good | Good | 1 | 1 | Good |
| 72 | EL1208R0000080074N | RODOPHGH R. | | ✓ | Good | Good | 1 | 1 | Good |
| 73 | EL1208R0000080075N | RODOPHGH R. | | | Good | Good | 1 | 1 | Good |
| 74 | EL1208R0000090060N | KOSYNTHOS R. | | ✓ | High | Good | 3 | 1 | High |
| 75 | EL1208R0000090061N | MEGALO R. | | | Good | Good | 1 | 1 | Good |
| 76 | EL1208R0000100077N | KREMMYDOREMA R. | | | Good | Good | 1 | 1 | Good |
| 77 | EL1208R0000120078N | REMATIA R. | | | Good | Good | 1 | 1 | Good |
| 78 | EL1208R0000130079N | KOMPSATOS R. | | | Good | Good | 1 | 1 | Good |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | | | | | |
| 79 | EL1209R0000010084N | VOSVOZIS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 80 | EL1209R0000010085N | VOSVOZIS P. | | ✓ | Poor | Good | 3 | 2 | Poor |
| 81 | EL1209R0000020086H | KARYDOREMA R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 82 | EL1209R0000020087N | KARYDOREMA R. | | | Good | Good | 1 | 1 | Good |
| 83 | EL1209R0000020088N | KARYDOREMA R. | | | Good | Good | 1 | 1 | Good |
| 84 | EL1209R0000030089N | CHIONOREMA R. | | ✓ | Poor | Good | 3 | 1 | Poor |
| 85 | EL1209R0000030090N | CHIONOREMA R. | | ✓ | Good | Good | 3 | 1 | Good |
| 86 | EL1209R000010100113N | PLATANITHS R. | | | Good | Good | 1 | 1 | Good |
| 87 | EL1209R000020000102H | LISSOS P. | ✓ | ✓ | Moderate | Good | 3 | 1 | Moderate |
| 88 | EL1209R000020000106N | LISSOS P. | | ✓ | Good | Good | 1 | 1 | Good |

| No | WB CODE | WB NAME | HMWB/AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| 89 | EL1209R00020000111N | LISSOS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 90 | EL1209R0002020092N | LISSOS P. | | ✓ | Good | Good | 1 | 1 | Good |
| 91 | EL1209R0002030094H | LISSOS P. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 92 | EL1209R0002030095H | LISSOS P. | ✓ | ✓ | Moderate | Failing to achieve Good | 3 | 2 | Moderate |
| 93 | EL1209R00020400101N | SIDIROREMA R. | | | Good | Good | 1 | 1 | Good |
| 94 | EL1209R0002040096N | SIDIROREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 95 | EL1209R0002040097H | SIDIROREMA R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 96 | EL1209R0002040098N | SIDIROREMA R. | | ✓ | Moderate | Good | 3 | 2 | Moderate |
| 97 | EL1209R0002040199H | AMYGDALOREMA R. | ✓ | ✓ | Moderate | Good | 3 | 1 | Moderate |
| 98 | EL1209R00020402100N | AMYGDALOREMA R. | | | Good | Good | 1 | 1 | Good |
| 99 | EL1209R00020600103N | MIKROREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 100 | EL1209R00020800104H | XEROREMA R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 101 | EL1209R00020800105N | XEROREMA R. | | | Good | Good | 1 | 1 | Good |
| 102 | EL1209R00021000107N | MELISSOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 103 | EL1209R00021000109N | MELISSOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 104 | EL1209R00021000110N | MELISSOREMA R. | | | Good | Good | 1 | 1 | Good |
| 105 | EL1209R00021001108N | MELISSOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 106 | EL1209R00021200112N | ALEPOREMA R. | | | Good | Good | 1 | 1 | Good |
| **RB EVROS (EL1210)** | | | | | | | | | |
| 107 | EL1210R00020100124N | DYTIKOS VRACHIONAS | | ✓ | Good | Good | 1 | 1 | Good |
| 108 | EL1210R00020100125N | DYTIKOS VRACHIONAS | | ✓ | Good | Good | 1 | 1 | Good |
| 109 | EL1210R00020100126H | ARDANIOU R. | ✓ | ✓ | Poor | Failing to achieve Good | 3 | 2 | Poor |
| 110 | EL1210R00020100127N | ARDANIOU R. | | | Good | Good | 1 | 1 | Good |
| 111 | EL1210R00020100128N | ARDANIOU R. | | | Good | Good | 1 | 1 | Good |
| 112 | EL1210R00020100129N | ARDANIOU R. | | ✓ | Good | Good | 1 | 1 | Good |
| 113 | EL1210R00020100130N | ARDANIOU R. | | ✓ | Good | Good | 1 | 1 | Good |
| 114 | EL1210R00020100131N | ARDANIOU R. | | | Good | Good | 1 | 1 | Good |
| 115 | EL1210R00020200139H | PROVATONAS R. | ✓ | | Unknown | Good | 0 | 1 | Unknown |
| 116 | EL1210R00020200140N | PROVATONAS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 117 | EL1210R00020300132A | EBROS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 118 | EL1210R00020400141H | MAVROREMA R. | ✓ | | Unknown | Good | 0 | 1 | Unknown |
| 119 | EL1210R00020400142N | MAVROREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 120 | EL1210R00020600143N | DIAVOLOREMA R. | | | Good | Good | 1 | 1 | Good |
| 121 | EL1210R00020600145N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 122 | EL1210R00020600146N | LYGARIA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 123 | EL1210R00020600147N | DIAVOLOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 124 | EL1210R00020600148N | DAMASKINIES R. | | ✓ | Good | Good | 1 | 1 | Good |
| 125 | EL1210R00020600149N | LIBADIA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 126 | EL1210R00020601144N | KAMILOPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 127 | EL1210R00020800150N | KAZANI R. | | | Good | Good | 1 | 1 | Good |
| 128 | EL1210R00020800151N | KAZANI R. | | ✓ | Good | Good | 1 | 1 | Good |
| 129 | EL1210R00021000154N | POTISTIKON R. | | | Good | Good | 3 | 1 | Good |
| 130 | EL1210R00021000155N | POTISTIKON R. | | | Good | Good | 1 | 1 | Good |
| 131 | EL1210R00021000156N | POTISTIKON R. | | ✓ | Good | Good | 1 | 1 | Good |
| 132 | EL1210R00021001153N | POTISTIKON R. | | | Good | Good | 1 | 1 | Good |
| 133 | EL1210R00021400168N | MPERDEMENO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 134 | EL1210R00021400171H | MPERDEMENO R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |

| No | WB CODE | WB NAME | HMWB/AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| 135 | EL1210R00021400172H | DASOS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 136 | EL1210R00021400173N | XERON R. | | ✓ | Good | Good | 1 | 1 | Good |
| 137 | EL1210R00021401169H | MANNA R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 138 | EL1210R00021401170N | MANNA R. | | | Good | Good | 1 | 1 | Good |
| 139 | EL1210R00030100114H | ARAPHS R. | ✓ | | Unknown | Good | 0 | 1 | Unknown |
| 140 | EL1210R00030100115N | ARAPHS R. | | | Good | Good | 1 | 1 | Good |
| 141 | EL1210R00050100117N | EIRHNH R. | | | Moderate | Failing to achieve Good | 3 | 2 | Moderate |
| 142 | EL1210R00050200118N | APOKRHMNO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 143 | EL1210R00050300119N | EIRHNH R. | | ✓ | Good | Unknown | 1 | 0 | Unknown |
| 144 | EL1210R00090100121H | LOUTROU R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 145 | EL1210R00090100122H | LOUTROU R. | ✓ | ✓ | Moderate | Failing to achieve Good | 3 | 2 | Moderate |
| 146 | EL1210R00090300123N | LOUTROU R. | | | Good | Good | 1 | 1 | Good |
| 147 | EL1210R00111200157N | ERYTHROPOTAMOS R. | | ✓ | Poor | Failing to achieve Good | 3 | 2 | Poor |
| 148 | EL1210R00111200158N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 149 | EL1210R00111200161N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 150 | EL1210R00111200178N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 151 | EL1210R00111200179N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 152 | EL1210R00111201177N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 153 | EL1210R00111202159N | KAZANTZH R. | | ✓ | Good | Good | 1 | 1 | Good |
| 154 | EL1210R00111202160N | KAZANTZH R. | | | Good | Good | 1 | 1 | Good |
| 155 | EL1210R00111203163N | ERYTHROPOTAMOS R. | | | Good | Good | 1 | 1 | Good |
| 156 | EL1210R00111204165N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 157 | EL1210R00111209166N | ERYTHROPOTAMOS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 158 | EL1210R00131601175H | ARDAS P. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 159 | EL1210R0B111200162N | ERYTHROPOTAMOS R. | | | Moderate | Good | 3 | 2 | Moderate |
| 160 | EL1210R0B111200164N | ERYTHROPOTAMOS R. | | ✓ | Poor | Good | 3 | 2 | Poor |
| 161 | EL1210R0B131600174H | ARDAS P. | ✓ | ✓ | Moderate | Failing to achieve Good | 3 | 2 | Moderate |
| 162 | EL1210R0B151900176N | EBROS R. | | ✓ | Moderate | Good | 2 | 2 | Moderate |
| 163 | EL1210R0T020000136N | EBROS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 164 | EL1210R0T020000138N | EBROS R. | | ✓ | Moderate | Failing to achieve Good | 2 | 2 | Moderate |
| 165 | EL1210R0T020000167N | EBROS R. | | ✓ | Good | Good | 2 | 1 | Good |
| 166 | EL1210R0T020100133N | EBROS R. | | ✓ | Good | Good | 1 | 1 | Good |
| 167 | EL1210R0T020100134H | EBROS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 168 | EL1210R0T020100135H | EBROS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| 169 | EL1210R0T020100137H | EBROS R. | ✓ | ✓ | Unknown | Good | 0 | 1 | Unknown |
| **RB THASOS – SAMOTHRAKI (EL1242)** | | | | | | | | | |

| No | WB CODE | WB NAME | HMWB/AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| 170 | EL1242R00020100180N | ANONYMO R. | | | Good | Good | 1 | 1 | Good |
| 171 | EL1242R00040100181N | PORTES R. | | ✓ | Good | Good | 1 | 1 | Good |
| 172 | EL1242R00060100183N | KAMINOREMA R. | | ✓ | Good | Good | 1 | 1 | Good |
| 173 | EL1242R00080100184N | DIPOTAMOS R. | | | Good | Good | 1 | 1 | Good |
| 174 | EL1242R00100100186N | GIALI R. | | ✓ | Good | Good | 1 | 1 | Good |
| 175 | EL1242R00100100187N | ANONYMO R. | | ✓ | Good | Good | 1 | 1 | Good |
| 176 | EL1242R00100100188N | FONIAS R. | | ✓ | Moderate | Good | 3 | 2 | Moderate |

*Table 6-2: Comparison of River WB classification status results of the Approved RBMP and the Approved RBMP - 1st Update of Thrace RBD (EL12)*

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| **RB NESTOS (EL1207)** | | | | | | |
| EL1207R0002000002H | NESTOS P. | Poor | Moderate | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, macrophytes,physicochemical-Specific Pollutants, Hydro-morphological).<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS) Endosulfan, Brominateddiphenylether, Hexachlorocyclohexane, Cd, Pb, Hg.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1207R0002000004H | NESTOS P. | Poor | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS) Endosulfan, Hexachlorocyclohexane, Cd, Pb, Ni, Hg.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207R0002000005N | NESTOS P. | Poor | Moderate | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, diatoms, macrophytes, fish,physicochemical, Hydro-morphological).<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Fluoranthene, Cd, Hg.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1207R0002000006N | NESTOS P. | Poor | Good | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, diatoms, macrophytes, fish,physicochemical, Hydro-morphological).<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Endosulfan, Pentabromodiphenylether, Cd, Hg, Ni, Fluoranthene.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1207R0002010001H | NESTOS P. | Poor | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Cd, Pb, Ni, Hg.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1207R0002020003N | XEROREMA R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002080009N | CHRYSOREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002100010N | ANONYMO R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207R0002120011N | MELISSOXORIOY R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002120012N | MELISSOXORIOY R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140013N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140014N | ARKOUDOREMA R. | Good | Good | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, macrophytes, physicochemical, Hydro-morphological).<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1207R0002140020N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140117N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140118N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140215N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140216N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002140319N | ARKOUDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002150021H | NESTOS P. | Poor | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Endosulfan, Fluoranthene, Cd, Hg.<br>During the 1st Update of the RBMP new methodological approach to grouping for river water bodies was applied. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207R0002160022N | DIAVOLOREMA R. | Moderate | Good | Failing to achieve Good | Good | Ecological status: New methodological approach to grouping for river water bodies. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Pentabromodiphenylether, Fluoranthene, Cd, Hg. |
| EL1207R0002160027N | DIAVOLOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002160123N | DIAVOLOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002160224N | DIAVOLOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002160225N | DIAVOLOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002160326N | DIAVOLOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002180028N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002180031N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002180032N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002180129N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002180230N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002200033N | PETROREMA | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002200034N | PETROREMA | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002220035N | MYLOY R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002240036N | LOUTROU R. | Good | Good | Failing to achieve Good | Good | Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Hg. During the 1st Update of the RBMP new methodological approach to grouping for river water bodies was applied. |
| EL1207R0002240037N | LOUTROU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002240038N | LOUTROU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002260039N | PSYCHROREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002280142N | DESPATHS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002280143N | DESPATHS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002280244N | DESPATHS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207R0002280245N | DESPATHS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002280347N | DESPATHS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002280348N | DESPATHS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0002300049N | MYLOREVMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1207R0005010050H | LASPIAS R. | Poor | Poor | Unknown | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,physicochemical- Specific Pollutants, Hydro-morphological).<br>Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1207R0B02000040N | NESTOS P. | Moderate | Moderate | Failing to achieve Good | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,diatoms, macrophytes, fish, physicochemical, Hydro-morphological).<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Brominated diphenylether, Endosulfan, Hexachlorocyclohexane, Ni, Hg. During the 1st Update of the RBMP new methodological approach to grouping for river water bodies was applied. |
| **RB XANTHIS - XIROREMATOS STREAMS (EL1208)** | | | | | | |
| EL1208R0000000057N | KOSYNTHOS R. | Poor | Poor | Unknown | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical, Hydro-morphological).<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1208R0000000059N | KOSYNTHOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000000069N | KOMPSATOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000000073N | KOMPSATOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000000076N | KOMPSATOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1208R0000010052H | KOSYNTHOS R. | Poor | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1208R0000010063H | AMMOREMA R. | Poor | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1208R0000010064N | AMMOREMA R. | Good | Moderate | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical, Hydro-morphological). Chemical status: New methodological approach to grouping for river water bodies. |
| EL1208R0000010066N | KOMPSATOS R. | Poor | Good | Failing to achieve Good | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1208R0000010067N | KOMPSATOS R. | Poor | Moderate | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical- specific pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Cd, Pb, Ni, Hg. No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1208R0000010068N | KOMPSATOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000010080H | ASPROPOTAMOS R. | Poor | Poor | Failing to achieve Good | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical-specific pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Cd, Hg.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1208R0000020054N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000020082N | KOMPSATOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000030055H | KOSYNTHOS R. | Poor | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1208R0000030056H | KOSYNTHOS R. | Poor | Moderate | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, macrophytes, physicochemical-Specific Pollutants, Hydro-morphological).<br>Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Cd, Hg.<br>No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1208R0000040058N | KOSYNTHOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000040083N | KOMPSATOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000060070N | XEROPOTAMOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000060071N | XEROPOTAMOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000060072N | THERMO LOYTRO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000080074N | RODOPHGH R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000080075N | RODOPHGH R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000090060N | KOSYNTHOS R. | Good | High | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, diatoms, macrophytes, fish, physicochemical, Hydro-morphological).<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1208R0000090061N | MEGALO R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000100077N | KREMMYDORE MA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000120078N | REMATIA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1208R0000130079N | KOMPSATOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| **RB KOMOTINIS–LOUTROU EVROU STREAMS (EL1209)** | | | | | | |
| EL1209R0000010084N | VOSVOZIS P. | Poor | Good | Failing to achieve Good | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1209R0000010085N | VOSVOZIS P. | Poor | Poor | Failing to achieve Good | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical-specific pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Endosulfan, Cd, Pb,Hg.No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1209R0000020086H | KARYDOREMA R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1209R0000020087N | KARYDOREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R0000020088N | KARYDOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R0000030089N | CHIONOREMA R. | Poor | Poor | Failing to achieve Good | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical, Hydro-morphological). Chemical status: New methodological approach to grouping for river water bodies. |
| EL1209R0000030090N | CHIONOREMA R. | Good | Good | Failing to achieve Good | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,diatoms, macrophytes, fish, physicochemical, Hydro-morphological). Chemical status: New methodological approach to grouping for river water bodies. |
| EL1209R00010100113N | PLATANITHS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1209R00020000102H | LISSOS P. | Moderate | Moderate | Unknown | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical, Hydro-morphological). Chemical status: New methodological approach to grouping for river water bodies. |
| EL1209R00020000106N | LISSOS P. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00020000111N | LISSOS P. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R0002020092N | LISSOS P. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R0002030094H | LISSOS P. | Poor | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS) Cd, Hg. During the 1st Update of the RBMP new methodological approach to grouping for river water bodies was applied. |
| EL1209R00020400101N | SIDIROREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R0002040096N | SIDIROREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1209R0002040097H | SIDIROREMA R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1209R0002040098N | SIDIROREMA R. | Moderate | Moderate | Unknown | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical-specific pollutants, Hydro-morphological). Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1209R0002040199H | AMYGDALOREMA R. | Moderate | Moderate | Unknown | Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,macrophytes, physicochemical, Hydro-morphological). Chemical status: New methodological approach to grouping for river water bodies. |
| EL1209R00020402100N | AMYGDALOREMA R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00020600103N | MIKROREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00020800104H | XEROREMA R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1209R00020800105N | XEROREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00021000107N | MELISSOREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00021000109N | MELISSOREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00021000110N | MELISSOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00021001108N | MELISSOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1209R00021200112N | ALEPOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| **RB EVROS (EL1210)** | | | | | | |
| EL1210R00020100124N | DYTIKOS VRACHIONAS | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020100125N | DYTIKOS VRACHIONAS | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020100126H | ARDANIOU R. | Poor | Poor | Unknown | Failing to achieve Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,fish, physicochemical-specific pollutants, Hydro-morphological). Chemical status: The "Failing to achieve good" classification is due to the exceedances of the priority substance (PS) Hg (2015). |
| EL1210R00020100127N | ARDANIOU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020100128N | ARDANIOU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020100129N | ARDANIOU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020100130N | ARDANIOU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020100131N | ARDANIOU R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020200139H | PROVATONAS R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00020200140N | PROVATONAS R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R00020300132A | EBROS R. | Unknown | Unknown | Unknown | Good | Ecological status: During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00020400141H | MAVROREMA R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00020400142N | MAVROREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020600143N | DIAVOLOREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020600145N | DIAVOLOREMA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020600146N | LYGARIA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020600147N | DIAVOLOREMA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020600148N | DAMASKINIES R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020600149N | LIBADIA R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020601144N | KAMILOPOTAMOS R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020800150N | KAZANI R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00020800151N | KAZANI R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R00021000154N | POTISTIKON R. | Moderate | Good | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, diatoms, macrophytes, fish, physicochemical, Hydro-morphological).<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00021000155N | POTISTIKON R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00021000156N | POTISTIKON R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00021001153N | POTISTIKON R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00021400168N | MPERDEMENO R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00021400171H | MPERDEMENO R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00021400172H | DASOS R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00021400173N | XERON R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R00021401169H | MANNA R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00021401170N | MANNA R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00030100114H | ARAPHS R. | Poor | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00030100115N | ARAPHS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00050100117N | EIRHNH R. | Unknown | Moderate | Unknown | Failing to achieve Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,physicochemical-specific pollutants, Hydro-morphological). Chemical status: The "Failing to achieve good" classification is due to the exceedances of the priority substance (PS) Cd (2013, 2014). |
| EL1210R00050200118N | APOKRHMNO R. | Unknown | Good | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical, Hydro-morphological). Chemical status: New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R00050300119N | EIRHNH R. | Unknown | Good | Unknown | Unknown | New methodological approach to grouping for river water bodies. |
| EL1210R00090100121H | LOUTROU R. | Unknown | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R00090100122H | LOUTROU R. | Unknown | Moderate | Unknown | Failing to achieve Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,physicochemical-specific pollutants, Hydro-morphological). Chemical status: The "Failing to achieve good" classification is due to the exceedances of the priority substance (PS) Hg (2015). |
| EL1210R00090300123N | LOUTROU R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111200157N | ERYTHROPOTAMOS R. | Moderate | Poor | Failing to achieve Good | Failing to achieve Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical-specific pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS) Cd, Hg. During the 1st Update of the RBMP,exceedances of the priority substance (PS) Hg were recorded (2015). |
| EL1210R00111200158N | ERYTHROPOTAMOS R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111200161N | ERYTHROPOTAMOS R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111200178N | ERYTHROPOTAMOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111200179N | ERYTHROPOTAMOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111201177N | ERYTHROPOTAMOS R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111202159N | KAZANTZH R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R00111202160N | KAZANTZH R. | Moderate | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111203163N | ERYTHROPOTAMOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111204165N | ERYTHROPOTAMOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00111209166N | ERYTHROPOTAMOS R. | Good | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1210R00131601175H | ARDAS P. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB.<br>During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station).<br>For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown.<br>Chemical status: New methodological approach to grouping for river water bodies. |
| EL1210R0B111200162N | ERYTHROPOTAMOS R. | Good | Moderate | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical-specific pollutants, Hydro-morphological).<br>Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1210R0B111200164N | ERYTHROPOTAMOS R. | Good | Poor | Unknown | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical-specific pollutants, Hydro-morphological).<br>Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1210R0B131600174H | ARDAS P. | Moderate | Moderate | Unknown | Failing to achieve Good | Ecologicalstatus: Based on the available data of the National Monitoring Network (NMN) (macroinvertebrates,fish, physicochemical-specific pollutants, Hydro-morphological).<br>Chemical status: The "Failing to achieve good" classification is due to the exceedances of the priority substance (PS) Hg (2014). |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R0B151900176N | EBROS R. | Moderate | Moderate | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (physicochemical-specific pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Endosulfan, Brominateddiphenylether, Hexachlorocyclohexane, Cd, Hg. No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1210R0T020000136N | EBROS R. | Moderate | Good | Failing to achieve Good | Good | Ecological status: New methodological approach to grouping for river water bodies. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Endosulfan, Brominateddiphenylether, Hexachlorocyclohexane, Nonylphenol, Cd, Pb,Hg. |
| EL1210R0T020000167N | EBROS R. | Moderate | Good | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (physicochemical,Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Endosulfan, Cd, Pb,Hg. During the 1st Update of the RBMP new methodological approach to grouping for river water bodies was applied. |
| EL1210R0T020100133N | EBROS R. | Moderate | Good | Failing to achieve Good | Good | New methodological approach to grouping for river water bodies. |
| EL1210R0T020100134H | EBROS R. | Moderate | Unknown | Unknown | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210R0T020100135H | EBROS R. | Moderate | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS) Cd, Pb,Hg. No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |
| EL1210R0T020100137H | EBROS R. | Moderate | Unknown | Failing to achieve Good | Good | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: New methodological approach to grouping for river water bodies. |
| **RB THASOS – SAMOTHRAKI (EL1242)** | | | | | | |
| EL1242R00020100180N | ANONYMO R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1242R00040100181N | PORTES R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1242R00060100183N | KAMINOREMA R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1242R00080100184N | DIPOTAMOS R. | Unknown | Good | Unknown | Good | New methodological approach to grouping for river water bodies. |
| EL1242R00100100188N | FONIAS R. | High | Moderate | Good | Good | Ecological status: Newly approved national ecological classification systems (macroinvertebrates, physicochemical-specific pollutants,Hydro-morphological). Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP (2013-2015). |

### 6.1.2 Assessment of Lake Water Bodies and reservoirs status

In the River Basin District of Thrace (EL12), **five (5) reservoirs and one (1) lake WB** are identified, the ecological and chemical classification of which is presented in the following tables.

*Table 6-3: Classification of reservoirs (heavily modified river WB) status of Thrace RBD (EL12)*

| No | WB CODE | WB NAME | HMWB /AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| **RB NESTOS (EL1207)** | | | | | | | | | |
| 1 | EL1207RL002150002H | PLATANOVRYSSI RES. | ✓ | ✓ | Moderate | Good | 2 | 2 | Moderate |
| 2 | EL1207RLB02000001H | THISAVROS RES. | ✓ | ✓ | Good | Good | 2 | 2 | Good |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | | | | | |
| 3 | EL1209RL002040003H | GRATINI RES. | ✓ | | Moderate | Good | 2 | 2 | Moderate |
| 4 | EL1209RL000010005H | NEA ADRIANI RES | ✓ | ✓ | Poor | Good | 2 | 2 | Poor |
| **RB EVROS (EL1210)** | | | | | | | | | |
| 5 | EL1210RL009010004H | ESYMI RES. | ✓ | ✓ | Unknown | Unknown | 0 | 0 | Unknown |

*Table 6-4: Classification of Lake WB status of Thrace RBD (EL12)*

| No | WB CODE | WB NAME | HMWB /AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | | | | | |
| 1 | EL1209L000006N | ISMARIDA L. | | ✓ | Poor | Failing to achieve Good | 2 | 2 | Poor |

*Table 6-5: Comparison ofLake WB classification status results, including reservoirs, of the Approved RBMP and the Approved RBMP - 1st Update of Thrace RBD (EL12)*

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| **RB NESTOS (EL1207)** | | | | | | |
| EL1207RL002150002H | PLATANOVRYSSI RES. | Moderate | Moderate | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (phytoplangton, physicochemical- specific Pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Endosulfan, Pentabromodiphenylether, Fluoranthene, Cd, Hg. No exceedances of Priority Substances were observed during the 1st Update of the RBMP. |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207RLB02000001H | THISAVROS RES. | Moderate | Good | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (phytoplangton, physicochemical- specific Pollutants, Hydro-morphological). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Fluoranthene, Endosulfan, Cd, Hg. No exceedances of Priority Substances were observed during the 1st Update of the RBMP. |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | | | | | | |
| EL1209L000006N | ISMARIDA L. | Poor | Poor | Unknown | Failing to achieve Good | Ecologicalstatus: BasedontheavailabledataoftheNationalMonitoringNetwork (NMN) (phytoplangton, zoobenthos,physicochemical-specific Pollutants, Hydro-morphological). Chemical status: In the 1st Update of the RBMP there were exceedances recorded for the Priority Substances (PS)Cd&Hg (2014, 2015). |
| EL1209RL002040003H | GRATINI RES. | Unknown | Moderate | Unknown | Good | Ecological status: Newly approved national ecological classification systems (phytoplangton, physicochemical- Specific Pollutants, Hydro-morphological). Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP. |
| EL1209RL000010005H | NEA ADRIANI RES. | Unknown | Poor | Unknown | Good | Ecological status: Newly approved national ecological classification systems (phytoplangton, physicochemical- Specific Pollutants, Hydro-morphological). Chemical status: No exceedances of Priority Substances were observed during the 1st Update of the RBMP. |
| **RB EVROS (EL1210)** | | | | | | |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1210RL009010004H | ESYMI RES. | Moderate | Unknown | Failing to achieve Good | Unknown | Ecological status: In the approved RBMP, due to the inability to identify the ecological potential, the HMWB-AWB were treated as natural WB. During the 1st Update of the RBMP the ecological classification was based on the available data of the National Monitoring Network (NMN) (for the HMWB-AWB that have a monitoring station). For the HMWB-AWB that don't have a monitoring station the ecological potential is Uknown. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Cd, Hg. |

### 6.1.3 Assessment of Transitional Water Bodies status

In the River Basin District of Thrace (EL12), **five (5) transitional WB** are identified, the ecological and chemical classification of which is presented in the following table.

*Table 6-6: Classification of Transitional WB status of Thrace RBD (EL12)*

| No | WB CODE | WB NAME | HMWB /AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| **RB NESTOS (EL1207)** | | | | | | | | | |
| 1 | EL1207T0001N | WIDER KERAMOTI AREA LAG. | | ✓ | Unknown | Unknown | 0 | 0 | |
| 2 | EL1207T0002N | KERAMOTI LAG. | | ✓ | Unknown | Unknown | 0 | 0 | |
| 3 | EL1207T0003N | NESTOS RIVER DELTA | | ✓ | Unknown | Good | 0 | 2 | |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | | | | |
| 4 | EL1208T0004N | RODOPI - PORTO LAGOS LAG. | | ✓ | Poor | Good | 2 | 2 | Poor |
| **RB EVROS (EL1210)** | | | | | | | | | |
| 5 | EL1210T0005N | EVROS RIVER DELTA | | ✓ | Unknown | Unknown | 0 | 0 | Unknown |

*Table 6-7: Comparison of Transitional WB classification status results of the Approved RBMP and the Approved RBMP - 1st Update of Thrace RBD (EL12)*

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| **RBNESTOS (EL1207)** | | | | | | |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207T0001N | WIDER KERAMOTI AREA LAG. | Moderate | Unknown | Failing to achieve Good | Unknown | Ecologicalstatus: During the 1st Update of the RBMP the classification is basedontheavailabledataoftheNational MonitoringNetwork (NMN). For the transitional WB without a monitoring station the status is Uknown. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Hg, Endosulfan, Fluoranthene. There are no available data during the 1st Update of the RBMP. |
| EL1207T0002N | KERAMOTI LAG. | Moderate | Unknown | Failing to achieve Good | Unknown | Ecologicalstatus: During the 1st Update of the RBMP the classification is basedontheavailabledataoftheNational MonitoringNetwork (NMN). For the transitional WB without a monitoring station the status is Uknown. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Hg. There are no available data during the 1st Update of the RBMP. |
| EL1207T0003N | NESTOS RIVER DELTA | Moderate | Unknown | Failing to achieve Good | Good | Ecologicalstatus: During the 1st Update of the RBMP the classification is basedontheavailabledataoftheNational MonitoringNetwork (NMN). For the transitional WB without a monitoring station the status is Uknown. Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)PAHs, Fluoranthene, Pb, Cd,Hg, Ni. No exceedances of Priority Substances were observed during the 1st Update of the RBMP. |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | |
| EL1208T0004N | RODOPI - PORTO LAGOS LAG. | Moderate | ΕΛΛΙΠΗΣ | Failing to achieve Good | Good | Ecological status: Newly approved national ecological classification systems (phytoplangton, macroinvertebrates, Chl-a). Chemical status: In the approved RBMP there were exceedances recorded for the Priority Substances (PS)Hexachloro-cyclohexane, Cd, Pb, Ni, Hg. No exceedances of Priority Substances were observed during the 1st Update of the RBMP. |
| **RB EVROS (EL1210)** | | | | | | |
| EL1210T0005N | EVROS RIVER DELTA | Moderate | Unknown | Unknown | Unknown | Ecologicalstatus: During the 1st Update of the RBMP the classification is basedontheavailabledataoftheNational MonitoringNetwork (NMN). For the transitional WB without a monitoring station the status is Uknown. Chemical status: There are no available data during the 1st Update of the RBMP. |

### 6.1.4 Assessment of Coastal WaterBodiesstatus

In the River Basin District of Thrace (EL12), **twelve (12 ) coastal WB** are identified, the ecological and chemical classification of which is presented in the following table.

*Table 6-8: Classification of Coastal WB status of Thrace RBD (EL12)*

| No | WB CODE | WB NAME | HMWB /AWB | CONNECTION WITH PROTECTED AREA | ECOLOGICAL STATUS / POTENTIAL | CHEMICAL STATUS | LEVEL OF TRUST | | TOTAL STATUS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ECOLOGICAL | CHEMICAL | |
| **RB NESTOS (EL1207)** | | | | | | | | | |
| 1 | EL1207C0001N | EASTERN KAVALA GULF | | ✓ | Moderate | Good | 2 | 2 | Moderate |
| 2 | EL1207C0002N | NORTHERN COASTS OF THASOS CHANNEL | | ✓ | Good | Good | 2 | 2 | Good |
| 3 | EL1207C0003N | AVDIRA BEACH | | ✓ | Moderate | Good | 2 | 1 | Moderate |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | | | | |
| 4 | EL1208C0004N | VISTONIKOS GULF | | ✓ | Poor | Good | 2 | 2 | Poor |
| 5 | EL1208C0005N | WESTERN COASTS OF THRACIAN SEA | | ✓ | Moderate | Good | 2 | 1 | Moderate |
| **RB EVROS (EL1210)** | | | | | | | | | |
| 6 | EL1210C0006N | EASTERN COASTS OF THRACIAN SEA | | ✓ | Moderate | Good | 2 | 1 | Moderate |
| 7 | EL1210C0007H | ALEXANDROUPOLIS PORT | ✓ | | Moderate | Good | 2 | 2 | Moderate |
| 8 | EL1210C0008N | ALEXANDROUPOLIS COASTS | | | Moderate | Good | 2 | 2 | Moderate |
| 9 | EL1210C0009N | EVROS COASTS | | ✓ | Moderate | Good | 2 | 1 | Moderate |
| **RB THASOS – SAMOTHRAKI (EL1242)** | | | | | | | | | |
| 10 | EL1242C0010N | NISIDA | | ✓ | High | Unknown | 2 | 1 | Unknown |
| 11 | EL1242C0011N | SAMOTHRAKI COASTS | | ✓ | High | Unknown | 2 | 1 | Unknown |
| 12 | EL1242C0012N | THASOS COASTS | | ✓ | High | Unknown | 2 | 1 | Unknown |

*Table 6-9: Comparison of Coastal WB classification status results of the Approved RBMP and the Approved RBMP - 1st Update of Thrace RBD (EL12)*

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| **RB NESTOS (EL1207)** | | | | | | |
| EL1207C0001N | EASTERN KAVALA GULF | Moderate | Moderate | Unknown | Good | The classification is basedontheavailabledataoftheNationalMonitoringNetwork (NMN) (phytoplangton, macroinvertebrates, physicochemical- Specific Pollutants). |
| EL1207C0002N | NORTHERN COASTS OF THASOS CHANNEL | Moderate | Good | Unknown | Good | Newly approved national ecological classification systems (phytoplangton, macroinvertebrates, angiosperm, physicochemical- Specific Pollutants). |

| WB CODE | WB NAME | ECOLOGICAL STATUS / POTENTIAL | | CHEMICAL STATUS | | COMMENTS |
|---|---|---|---|---|---|---|
| | | Approved RBMP | Approved RBMP - 1st Update | Approved RBMP | Approved RBMP - 1st Update | |
| EL1207C0003N | AVDIRA BEACH | Good | Moderate | Unknown | Good | New methodological approach to grouping for coastal water bodies. |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | | | | | | |
| EL1208C0004N | VISTONIKOS GULF | Unknown | Poor | Unknown | Good | Newly approved national ecological classification systems (phytoplangton, macroinvertebrates, physicochemical- Specific Pollutants). |
| EL1208C0005N | WESTERN COASTS OF THRACIAN SEA | Good | Moderate | Unknown | Good | New methodological approach to grouping for coastal water bodies. |
| **RB EVROS (EL1210)** | | | | | | |
| EL1210C0006N | EASTERN COASTS OF THRACIAN SEA | Good | Moderate | Unknown | Good | New methodological approach to grouping for coastal water bodies. |
| EL1210C0007H | ALEXANDROUPOLIS PORT | Unknown | Moderate | Unknown | Good | New methodological approach to grouping for coastal water bodies. |
| EL1210C0008N | ALEXANDROUPOLIS COASTS | Good | Moderate | Unknown | Good | Newly approved national ecological classification systems (phytoplangton, macroinvertebrates, angiosperm, physicochemical- Specific Pollutants). |
| EL1210C0009N | EVROS COASTS | Good | Moderate | Unknown | Good | New methodological approach to grouping for coastal water bodies. |

*Figure 6-1: Ecological status of SWB ofT hrace RBD (EL12)*

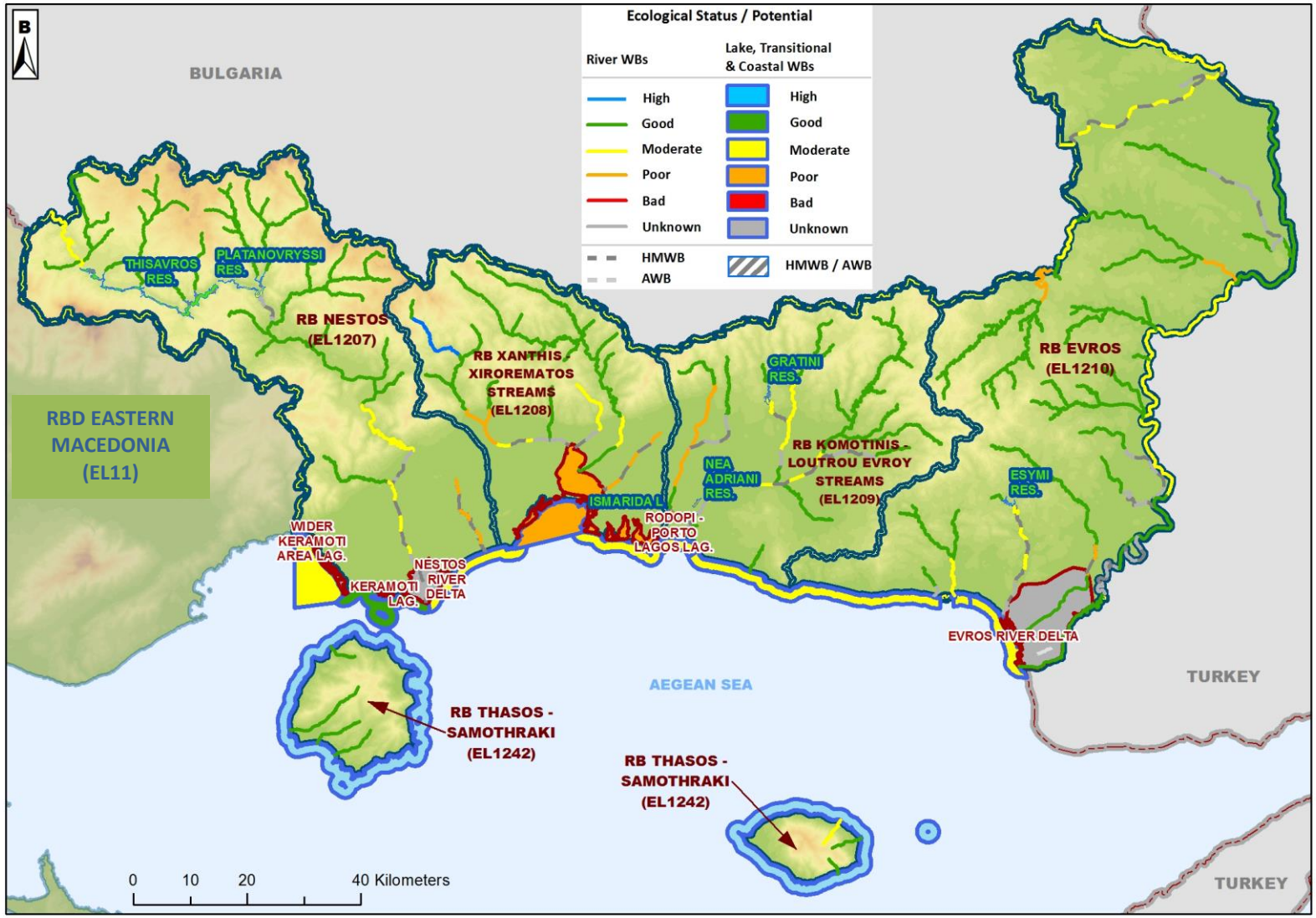


*Figure 6-2: Chemical status of SWB of Thrace RBD (EL12)*

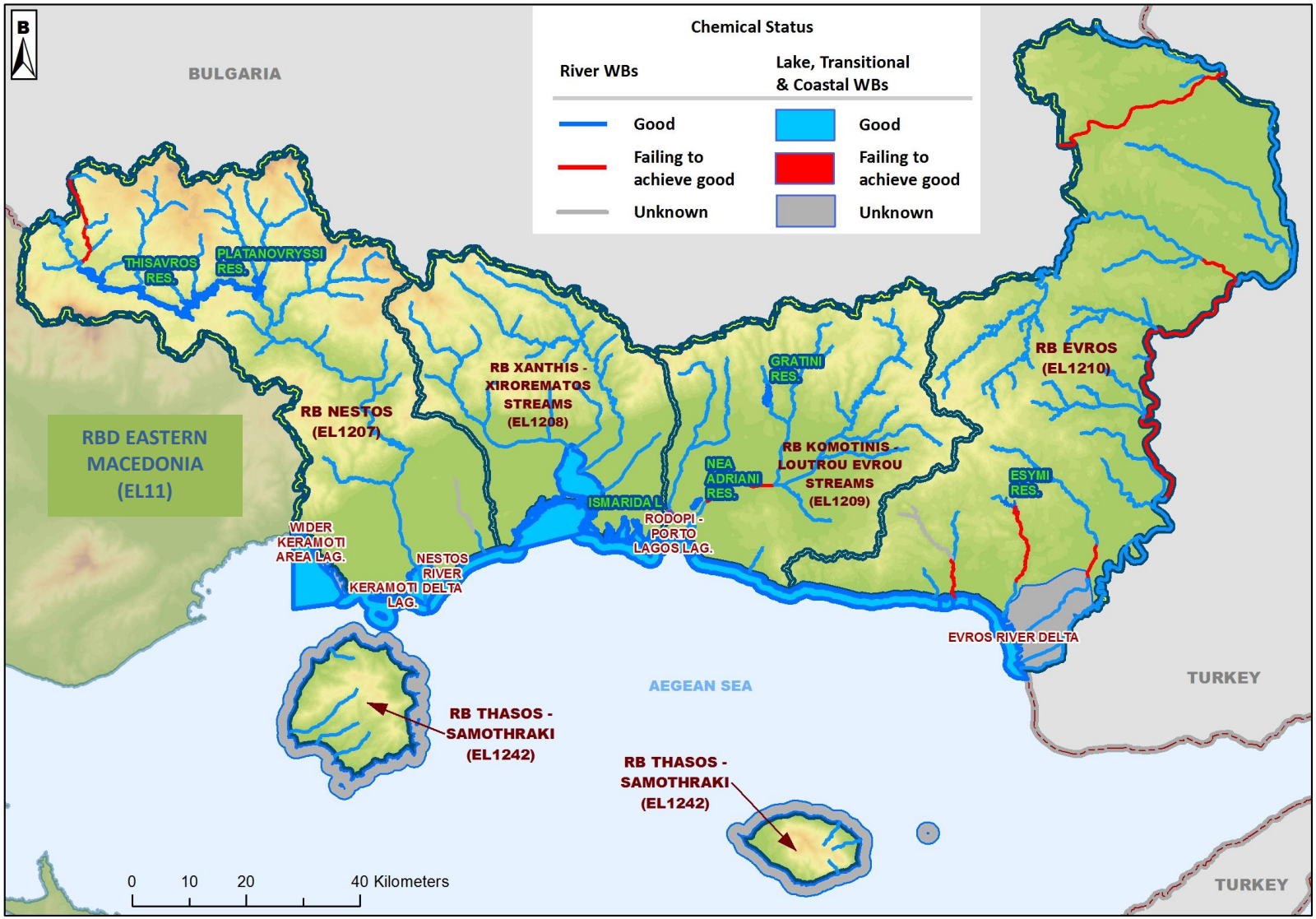
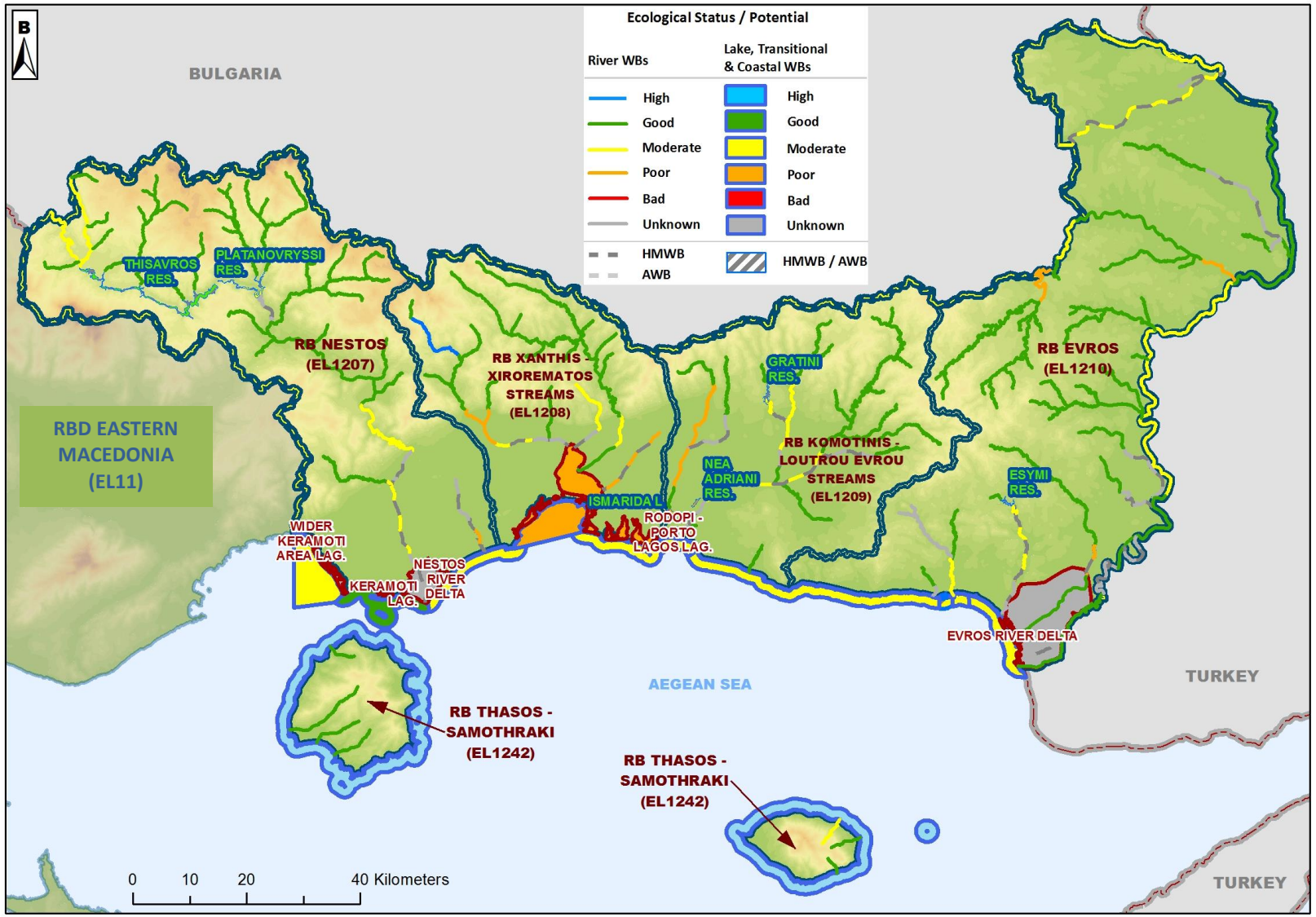


*Figure 6-3: Total status of SWB of Thrace RBD (EL12)*



## 6.2 Classification of Groundwater Bodies status

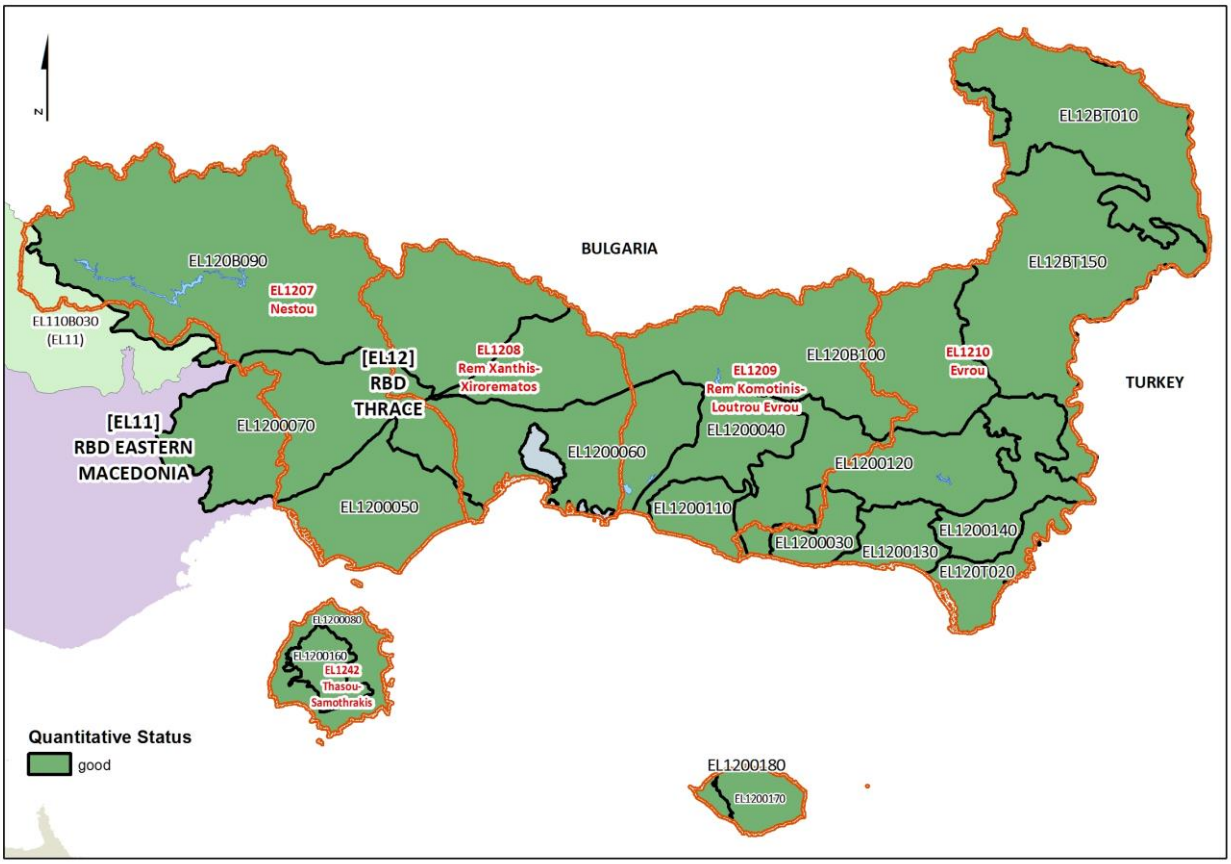
In the River Basin District of Thrace (EL12), **eighteen (18) GWB** are identified, the quantitative and quality status of which is presented in the following table and maps.

*Table 6-10: Chemical and Quantitative status of GWB of Thrace RBD (EL12)*

| A/A | GWB Code | GWB Name | Quality (Chemical) Status | Quantitative Status | Increased values of chemical elements due to natural background | Increased values of chemical elements due to human effects | Main Pressures | Seawater Infiltration | Protected Areas |
|---|---|---|---|---|---|---|---|---|---|
| 1 | EL1200060 | Nestos Delta | Bad | Good | As, Al and $SO_4$ | $NO_3$ $NO_2$, $NH_4$, EC and Cl | Agriculture, Urbanization | YES | NO |
| 2 | EL1200070 | Ori Lekanis | Good | Good | - | - | - | NO | YES |
| 3 | EL120B090 | Potamoi–Stavroupoli | Good | Good | - | - | - | NO | NO |
| 4 | EL1200050 | Xanthi – Komotini | Bad | Good | Al. As | $NO_3$, $NO_2$, EC and Cl | Agriculture, Urbanization | YES | NO |
| 5 | EL1200040 | Filiouris | Bad | Good | - | $NO_3$and Cl | Agriculture | YES | NO |
| 6 | EL120B100 | Drosinio | Good | Good | - | - | - | NO | YES |
| 7 | EL1200110 | Maroneia | Good | Good | - | - | - | NO | NO |
| 8 | EL1200120 | Rhodope | Good | Good | - | - | - | NO | NO |
| 9 | EL12BT010 | Orestiada | Good | Good | Al, As, Pb and $SO_4$ | $NO_3$ | Agriculture | NO | NO |
| 10 | EL120T020 | Evros river adjacent area – Evros Delta | Bad | Good | - | Cl and EC | Agriculture | YES | NO |
| 11 | EL1200030 | Makri | Good | Good | - | - | - | NO | NO |
| 12 | EL1200130 | Alexandroupolis | Good | Good | - | - | - | NO | NO |
| 13 | EL1200140 | Evros | Good | Good | - | - | - | NO | NO |
| 14 | EL12BT150 | Soufli – Didimoticho | Good | Good | - | - | - | YES | NO |
| 15 | EL1200080 | Thasos | Good | Good | - | - | - | NO | NO |
| 16 | EL1200160 | Thasos–Prinos | Good | Good | - | - | - | NO | NO |
| 17 | EL1200170 | Samothraki | Good | Good | - | - | - | NO | NO |
| 18 | EL1200180 | Samothraki–Xiropotamos | Good | Good | - | - | - | NO | NO |

*Figure 6-4: Chemical status of GWB of Thrace RBD (EL12)*


*Figure 6-5: Quantitative status of GWB of Thrace RBD (EL12)*



# 7 ECONOMIC ANALYSIS OF WATER USE

## 7.1 Financial cost of water services

### 7.1.1 Water services for drinking water supply and waste – water collection and treatment facilities

The water supply/sewerage service providers and the recovery of the financial cost for each RB of Thrace RBD (EL12) are presented in the following tables. The total financial cost, at RBD level, is estimated at 33.385.103 € and the total revenue at 28.401.144 €. The recovery rate of the total financial cost for water supply/sewerage service, at RBD level, is estimated at 85,07%.

*Table7-1: Water/Sewerage service providers in each RB of Thrace RBD (EL12)*

| Water / Sewerage service providers in the RB of Thrace RBD (EL12)[1] |
|---|
| **RB NESTOS (EL1207)** |
| MEWSS AVDIRON (VISTONIDOS) (16,8%) |
| MEWSS NESTOY |
| MEWSS XANTHIS (11,4%) |
| MUNICIPALITYOF TOPEIROS |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** |
| MEWSS AVDIRON (VISTONIDOS) (83,2%) |
| MUNICIPALITYOF IASMOS (79,7%) |
| MEWSS KOMOTINIS (7,3%) |
| MUNICIPALITY OF MYKI |
| MEWSS XANTHIS (88,6%) |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** |
| MUNICIPALITY OF ARRIANA |
| MUNICIPALITYOF IASMOS (20,3%) |
| MEWSS KOMOTINIS (92,7%) |
| MUNICIPALITYOF MARONEIA - SAPES |
| **RB EVROS (EL1210)** |
| MEWSS ALEXANDROUPOLIS |
| MEWSS DIDIMOTICHOY |
| MEWSS ORESTIADAS |
| MUNICIPALITYOF SOUFLI |
| **RB THASOS - SAMOTHRAKI (EL1242)** |
| MEWSS THASOY |
| MUNICIPALITY OF SAMOTHRAKI |

*Table*

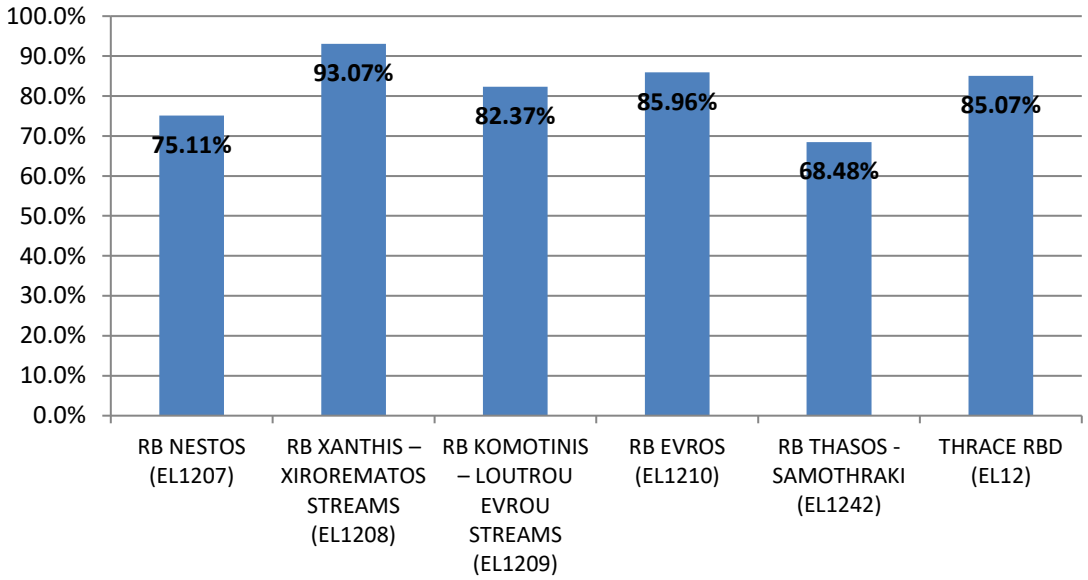
*7-2: Financial cost recovery of each RB water supply in Thrace RBD (EL12)*

| RB | Total financial cost (€) | Average financial unity cost(€/m³) | Total Revenue (€) | Average unitrevenues (€/m³) | Recovery rate of total financial cost |
|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | 2.982.822 | 0,9760 | 2.240.466 | 0,7331 | 75,11% |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | 8.128.931 | 1,7738 | 7.565.258 | 1,6508 | 93,07% |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | 8.023.093 | 1,6817 | 6.608.533 | 1,3852 | 82,37% |

*1I) A provider may be spatially assigned to more than one RB; II) Each provider normally supplies and consumes water within the RBs to which located spatially.*

| RB | Total financial cost (€) | Average financial unity cost(€/m³) | Total Revenue (€) | Average unitrevenues (€/m³) | Recovery rate of total financial cost |
|---|---|---|---|---|---|
| **RB EVROS (EL1210)** | 12.749.571 | 1,6044 | 10.959.279 | 1,3791 | 85,96% |
| **RB THASOS - SAMOTHRAKI (EL1242)** | 1.500.686 | 0,8768 | 1.027.607 | 0,6004 | 68,48% |
| **THRACE RBD (EL12)** | **33.385.103** | **1,5128** | **28.401.144** | **1,2870** | **85,07%** |

*Figure 7-1: Financial cost recovery rate of each RB water supply in Thrace RBD (EL12)*




### 7.1.2 Water supply services for agricultural usages

The water providers for agricultural use and the recovery of the financial cost for each RB of Thrace RBD are presented in the following tables. The total financial cost, at RBD level, is estimated at 19.098.332 € and the total revenue at 15.684.864 €. The recovery rate of the total financial cost for water supply services for agricultural usages, at RBD level, is estimated at 82,13%.

*Table7-3: Water providers for agricultural use in each RB of Thrace RBD (EL12)*

| Water providers for irrigation in each RB of Thrace RBD (EL12)[2] |
|---|
| **RB NESTOS (EL1207)** |
| LOLRTHALASSIAS - KREMASTIS |
| LOLRCHRYSOYPOLIS |
| LOLRCHRYSOCHORIOY |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** |
| LOLRIASMOY |
| **RB EVROS (EL1210)** |
| GOLRORESTIADAS (OUTSIDE OF LOLR) |
| LOLRNORTH REGION OF ARDAS |
| LOLRDIDIMOTICHOY |
| LOLR ERYTHROPOTAMOY |
| LOLR KORNOFOLIAS |
| LOLR LAVARON |
| LOLR LAGYNON |
| LOLR LYKOFIS |
| LOLR MAKRIS |

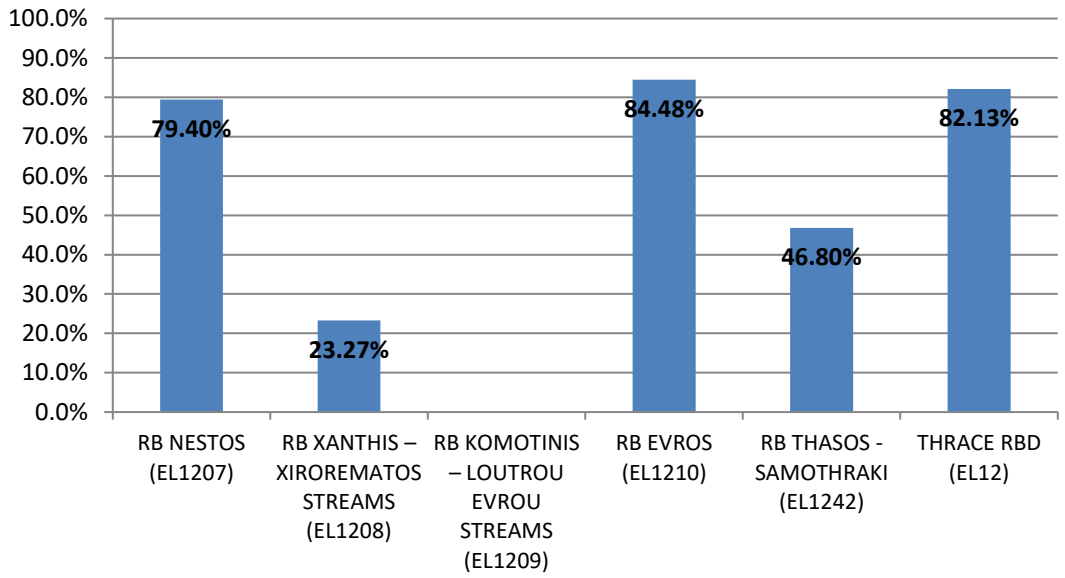
*2I) A provider may be spatially assigned to more than one RB; II) Each provider normally supplies and consumes water within the RBs to which located spatially.*

| Water providers for irrigation in each RB of Thrace RBD (EL12)[2] |
|---|
| LOLR NEOCHORIOY – VALTOY – STERNAS |
| LOLRSOUTH REGION OF ARDAS |
| LOLR PETALOY |
| LOLR SOUFLIOY |
| LOLR TYCHEROY |
| LOLR FERON – PEPLOY |
| LOLR OOEIDOYS/PYTHIOY – ORESTIADAS – VYSSAS |

*Table 7-4: Financial cost recovery of each RB agricultural usage water supply inThrace RBD (EL12)*

| RB | Total financial cost (€) | Average financial unity cost (€/m³) | Total Revenue (€) | Average unitrevenues (€/m³) | Recovery rate of total financial cost |
|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | 6.841.549 | 0,0457 | 5.432.441 | 0,0363 | 79,40% |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | 120.729 | 0,1506 | 28.088 | 0,0350 | 23,27% |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | 0 | | 0 | | |
| **RB EVROS (EL1210)** | 12.062.095 | 0,0682 | 10.189.720 | 0,0576 | 84,48% |
| **RB THASOS - SAMOTHRAKI (EL1242)** | 73.960 | 0,8768 | 34.615 | 0,4104 | 46,80% |
| **THRACE RBD (EL12)** | **19.098.332** | **0,0583** | **15.684.864** | **0,0479** | **82,13%** |

*Figure 7-2: Financial cost recovery rate of each RB agricultural usage water supply in Thrace RBD (EL12)*




### 7.1.3 Water supply services for industrial use

The water providers for industrial use and the recovery of the financial cost for each RB of Thrace RBD are presented in the following tables. The total financial cost, at RBD level, is estimated at 2.229.720 € and the total revenue at 1.784.428 €. The recovery rate of the total financial cost for water supply services for industrial usages, at RBD level, is estimated at 80,03%.

*Table 7-5: Water providers for industrial use in each RB of Thrace RBD (EL12)*

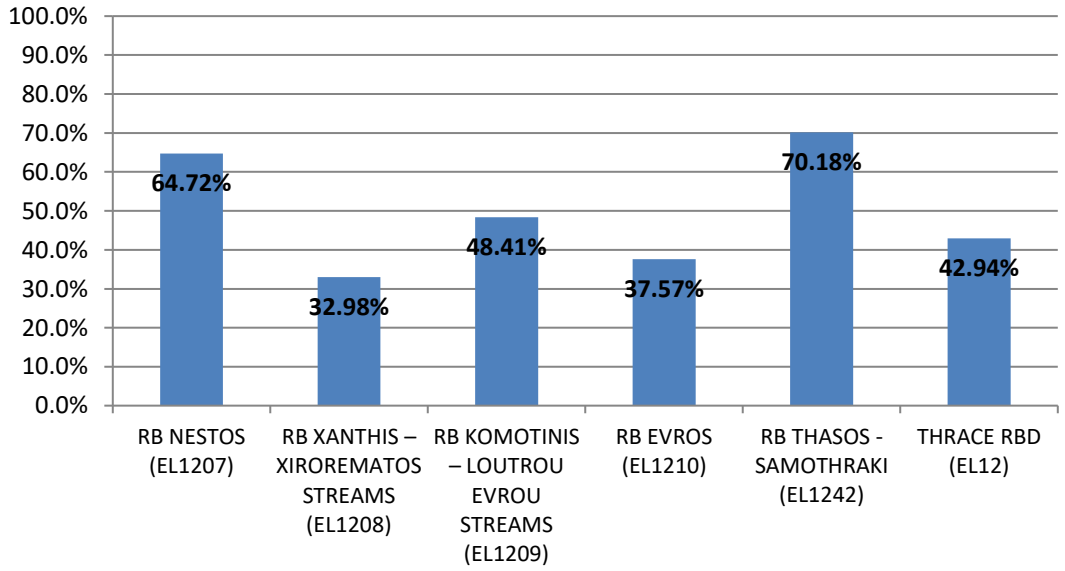
| Water providers for industrial use in each RB of Thrace RBD (EL12) |
|---|
| **RB NESTOS (EL1207)** |
| WATER / SEWERAGE SERVICE PROVIDERS* |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** |

| Water providers for industrial use in each RB of Thrace RBD (EL12) |
|---|
| WATER / SEWERAGE SERVICE PROVIDERS* |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** |
| ETBA INDUSTRIAL AREA SA |
| WATER / SEWERAGE SERVICE PROVIDERS* |
| **RB EVROS (EL1210)** |
| ETBA INDUSTRIAL AREA SA |
| WATER / SEWERAGE SERVICE PROVIDERS* |
| **RB THASOS - SAMOTHRAKI (EL1242)** |
| WATER / SEWERAGE SERVICE PROVIDERS* |
| ** As presented in Table 7-1* |

*Table 7-6: Financial cost recovery of each RB industrial usage water supply inThrace RBD (EL12)*

| RB | Total financial cost (€) | Average financial unity cost (€/m³) | Total Revenue (€) | Average unit revenues (€/m³) | Recovery rate of total financial cost |
|---|---|---|---|---|---|
| **RB NESTOS (EL1207)** | 307.651 | 0,9760 | 199.104 | 0,6317 | 64,72% |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | 1.053.319 | 1,7738 | 347.347 | 0,5849 | 32,98% |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | 1.165.641 | 0,9155 | 564.287 | 0,4432 | 48,41% |
| **RB EVROS (EL1210)** | 1.210.326 | 1,6036 | 454.696 | 0,6024 | 37,57% |
| **RB THASOS - SAMOTHRAKI (EL1242)** | 143.625 | 0,8768 | 100.794 | 0,6153 | 70,18% |
| **THRACE RBD (EL12)** | **3.880.564** | **1,2515** | **1.666.227** | **0,5374** | **42,94%** |

*Figure 7-3: Financial cost recovery rate of each RB industrial usage water supply inThrace RBD (EL12)*




## 7.2 Environmental Cost and Resource Cost

### 7.2.1 Environmental Cost Estimation

The environmental cost at RBD level amounts to 7,69 milion €, from which 53,3% is attributed to Nestos RB (EL1207), 42,9,3% is attributed to Xanthis – Xiroremátos Streams RB (EL1208), 1,3% is attributed to Komotinis – Loutrou Evrou Streams RB (EL1209), 1,3% is attributed to Evros RB (EL1210)

and 1,3% is attributed to Thasos - Samothraki RB (EL1242). The unit environmental cost at RBD level is 0.0012183 €/$m^3$.

*Table 7-7: Environmental Cost in each RB of Thrace RBD (EL12)*

| RB | Total Environmental Cost (€) | Unit Environmental Cost (€/$m^3$) |
|---|---|---|
| **RB NESTOS (EL1207)** | 4.098.000,00 | 0,000504 |
| **RB XANTHIS – XIROREMATOS STREAMS (EL1208)** | 3.298.000,00 | 0,001382 |
| **RB KOMOTINIS – LOUTROU EVROU STREAMS (EL1209)** | 98.000,00 | 0,000175 |
| **RB EVROS (EL1210)** | 98.000,00 | 0,000113 |
| **RB THASOS - SAMOTHRAKI (EL1242)** | 98.000,00 | 0,027158 |

In all RBs, 100,0% of the total environmental cost relatesto agriculture (for irrigation purposes).

### 7.2.2 Resource Cost Estimation

No Resource Cost is estimated in any RB of Thrace RBD.

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# 8 ENVIRONMENTAL OBJECTIVES - EXEMPTIONS

The environmental objectives set for the 199 SWB of Thrace by 2021 are presented in the following table. For 4 SWBs the objective is to maintain high ecological status. For 129 SWBs the objective is to maintain good ecological status. For 12 SWBs the objective is to achieve good ecological status by 2027. For 22 HMWB/AWB the objective is to determine and achieve good ecological potential by 2027 too. For 181 SWBs the objective is to maintain good chemical status. For 64 WBs the extension of the deadline under Article 4.4 is established. For 1 WB the extension of the deadline under Article 4.7 is established.

*Table 8-1 Environmental objectives of SWB by 2021*

| Environmental Objectives of SWB by 2021 | COUNT OF SWB |
|---|---|
| No further deteriorationoccurs in good and high ecological status /potential | 132 |
| No further deterioration occurs in good chemical status | 181 |
| Achievement of good ecological status | 12 |
| Achievement of good chemical status | 0 |
| Determination of ecological status/potential | 22 |
| Determination of chemical status | 9 |
| Deadline extension (Article 4.4) | 64 |
| Deadline extension (Article4.5) | 0 |
| Deadline extension (Article4.6) | 0 |
| Deadline extension (Article4.7) | 1 |

The environmental objectives set for the 18 GWB of Thrace by 2021 are presented in the following table. For 18 GWBs the objective is to maintain the good quantitative status by 2027. For 4 GWBs the objective is to achieve good chemical status by 2027. For these 4 GWB the extension of the deadline under Article 4.4 is established.

*Table 8-2 Environmental objectives of GWB by2021*

| Environmental Objectives of GWB by 2021 | COUNT OF GWB |
|---|---|
| No further deterioration occurs in good quantitative status | 18 |
| No further deterioration occurs in good chemical status | 14 |
| Achievementofgood quantitative status | 0 |
| Achievementofgood chemical status | 4 |
| Deadline extension (Article 4.4) | 4 |
| Deadline extension (Article4.5) | 0 |
| Deadline extension (Article4.6) | 0 |
| Deadline extension (Article4.7) | 0 |

## 8.1 Deadline Extension (Article 4.4 of Directive 2000/60/EC)

All categories of exemption of article 4.4 of Directive 2000/60/EC, as set in the 1st Update of RBMP, are presented in the following table (the reference to the exemption in article 4.7 is for the sake of completeness of the table, and more information is given in the following chapter 8.4).

*Table 8-3: Exemptions of water bodies until 2021*

| | EXEMPTION | | COUNT OF WB |
|---|---|---|---|
| | CATEGORY | SUBCATEGORY | |
| Ecological Status of WB | Article 4.4/ Deadline Extension | Solving the problem requires more time than is available | 54 |
| ChemicalStatus of WB | Article 4.4/ Deadline Extension | There is no information about the cause of the problem and therefore the solution can not be detected | 8 |
| ChemicalStatus of WB | Article 4.4/ Deadline Extension | Solving the problem requires more time than is available | 10 |
| Quantitative Status of GWB | Article 4.4/ Deadline Extension | Solving the problem requires more time than is available | 0 |
| ChemicalStatus of GWB | Article 4.4/ Deadline Extension | Solving the problem requires more time than is available | 4 |
| Ecological Status of WB | Article4.7/ New Modifications | It concerns a Dam project that is under construction (Dam of Iasmos) | 1 |

## 8.2 Less Strict Objectives (Article 4.5 of Directive 2000/60/EC)

In the current Update of RBMP, no less strict objectives are set for any surface or groundwater body. This exclusion category will be reviewed in the next RBMP , taking under consideration the new monitoring data and after the evaluation of the technically feasible measures.

## 8.3 Temporary Degradation (Article 4.6 of Directive 2000/60/EC)

In the current Update of RBMP, thereis no temporary degradation for any surface or groundwater body. This exclusion category will be reviewed in the next RBMP, taking under consideration the new monitoring data and after the evaluation of the technically feasible measures.

## 8.4 New and Planned Projects for the utilization of water resources (Article 4.7 of Directive 2000/60/EC)

In Thrace RBD (EL12), the water bodies examined and eventually covered by the exemptions of article 4.7 concern:

- one (1) river WB (XEROREMA R., EL1209R00020800104H), which is associated with reservoir projects to serve irrigation needs. The projects related to this reservoir have a valid Environmental Approval Decision.
- seven (7) river WB (KOMPSATOSR., EL1208R0000010068N, EL1208R0000000069N, EL1208R0000020082N, EL1208R0000040083N, EL1208R0000010065N, EL1208R0000010066N and EL1208R0000010067N), which are associated with reservoir projects to serve irrigation needs. It is noted that in the 1st Update of RBMP the WB EL1208R0000010065N was merged with EL1208R0000010066N. The projects related to this reservoir don't have a valid Environmental Approval Decision.

Finally, it is noted that in the first (approved) RBMP three (3) river WB were examined (NESTOSR., EL1207R0002000004H, EL1207R0002000002H and EL1207R0002010001H), which are related to water abstraction projects from the existing ruffler of Toxotes for irrigation use. For these WB, article 4.7 was not applied.

# 9 PROGRAM OF MEASURES

The Program of Measures is part of RBMP and aims at achieving the"Environmental objectives". Especially the implementation of the Programme Measure should ensure:

- the prevention of deterioration, the improvement and the remediation of surface water bodies, the achievement of "Good" ecological and chemical status, and the mitigation of the pollution through the discharge and the emission of hazardous substances.
- the protection, the improvement and the remediation of groundwater water bodies, the prevention of their pollution and the deterioration of their water status in order to balance between abstraction and discharge.
- the conservation of Protected Areas.

The measures are divided into **Basic** and **Supplementary**.

The Basic Measures, according to par. 3 of Article 11 of the WFD are the minimum requirements that should be taken and include:

- Measures for the implementation nof Community and national legislation on water protection **(Group I)**.
- Other basic measures **(GroupII)**. These measuresare are related to the basic principles of EU and national legislation on water management and related to the horizontal implementation of actions per water bodies groups, in order to achieve or maintain Good status.

The Supplementary Measures are established and implemented in addition to the Basic Measures, in order to achieve the objectives identified in accordance with Article 4 of WFD. Member States may implement further supplementary measures with a view to additional protection or improvement of the water status beyond these that are specified by the Directive.

## 9.1 Program of Basic and Supplementary Measures

### 9.1.1 Actions implementing Union Directives (Group I Basic Measures)

The following table lists the provisions for the incorporation of the EU Directives into National Law.

*Table 9-1: Provisions for the incorporation of EU Directives into National Law*

| DIRECTIVE | INCORPORATION INTO NATIONAL LAW |
|---|---|
| **Bathing Water Directive** (Directive 2006/7/EC) | **JMD 8600/416/E103/23.02.2009 (GovernmentGazette 356/B/2009)** on «quality and management of bathing water, in compliance with the provisions of Directive 2006/7/EC "concerning the management of bathing water quality and repealing Directive 76/160/EEC"», as amended and in force. |

| DIRECTIVE | INCORPORATION INTO NATIONAL LAW |
|---|---|
| **Protection of Wild Birds** (Directive 2009/147/EC) **and Habitats** (Directive92/43/EEC) **Natura2000 Sites** | **JMDEP 37338/1807/E103/1.9.2010 (Government Gazette 1495/B/2010)** «Determination of measures and procedures for the conservation of wildlife and its habitats, in compliance with the provisions of Directive 79/409/EEC of the Council Directive of 2 April 1979 "on the conservation of wild birds", as codified by the Direcive 2009/147/EC»and its amendment **JMDEP 8353/276/E103/2012 (Government Gazette 415/B/2012).**<br>**JMD 33318/3028/11.12.1998 (Government Gazette 1289/B/1998)**"Determination of measures and procedures for the conservation of natural habitatsas well as wild fauna and flora"and its amendment **JMDEP 14849/853/E103/2008 (Government Gazette 645/B/2008)**in compliance with the provisions of Directive 92/43/EEC "on the conservation of natural habitats and of wild fauna and flora".<br>**Law 3937/2011 (Government Gazette 60/A/2011)**"Conservation of biodiversity and other provisions".<br>**JMD 50743/2017 (Government Gazette 4432/N/2017)**"Revision of the national list of sites of the European Natura 2000 Ecological Network". |
| **Environmental Impact Assessment for Projects/Activities** (Directives 2011/92/EU, 2014/52/EU) | **Law 1650/1986 (Government Gazette 160/A/1986)** "or the protection of the environment".<br>**Law3010/2002 (Government Gazette 91/A/2002)** "Harmonization of Law 1650/86 with Directives 97/11/ECand 96/61/EC, delimitation process and subject settings for waterfalls and other provisions".<br>**Law 4014/2011 (Government Gazette 209/A/2011)** "Environmental Licensing of projects and activities, arbitrary arrangement in connection with the creation of an environmental balance and other provisionsof the Ministry of the Environment". |
| **Water Intended for Human Consumption** (Directives 98/83/EC, 2015/1787/EU) | **Law no. C1 (d)/G.P. oik. 67322/06.09.2017 (Government Gazette 3282/B/2017)**" Quality of water intended for human consumption in compliance with the provisions of Directive 98/83/EC of the Council of European Union, of 3 November 1998 as amended with Directive (EU) 2015/1787 (L260, 7.10.2015)". |
| **Industrial Emissions Directive IED (Pollution Prevention and Control)** (Directive 2010/75/EU) | **MD 36060/1155/E.103/2013 (Government Gazette 1450/B/2013)** Establishment of a framework of rules, measures and procedures for integrated prevention and control of environmental pollution by industrial activities, in compliance with the provisions of Directive 2010/75/EUof the European Parliament and of the Council of 24 November 2010"on industrial emissions (integrated pollution prevention and control)". |

| DIRECTIVE | INCORPORATION INTO NATIONAL LAW |
|---|---|
| **Protection against pollution caused by nitrates from agricultural sources** (Directive 91/676/EEC) | **JMD 16190/1335/19.05.1997 (Government Gazette 519/B/1997)** "Measures and conditions for the protection of waters against pollution caused by nitrates from agricultural sources" to harmonize with Directive 91/676/EEC "concerning the protection of waters against pollution caused by nitrates from agricultural" sources **MD oik. 19652/1906/1999 (Government Gazette 1575/B/1999)** «Identification of waters subject to nitrate pollution of agricultural origin – List of vulnerable zones, in accordance with paragraphs 1 and 2 respectively of article 4 of 16190/1335/1997 JMD "Measures and conditions for the protection of waters against pollution caused by nitrates from agricultural sources" (B 519). Amendment of articles 3, 4, 5 and 8 of this Decision», as amended by **MD 20419/2522/2001 (Government Gazette 1212/B/2001), MD 24838/1400/E103/2008 (Government Gazette 1132/B/2008), MD 106253/2010 (Government Gazette 1843/B/2010), MD 190126/2013 (Government Gazette 983/B/2013), MD 147070/2014 (Government Gazette 3224/B/2014)** and in force. **MD 1420/82031/2015 (Government Gazette 1709/B/2015)** "Code of Good Agricultural Practice for the Protection of Waters Against Nitrate Pollution from agricultural sources", as amended by **MD 2001/118518/2015, (Government Gazette 2359/B/2015)** «Amendment of No 1420/82031 (Government Gazette 1709/B/2015) Decision ofthe Deputy Minister of Production Reconstruction, Environment and Energy "Code of Good Agricultural Practice for the Protection of Waters Against Nitrate Pollution from agricultural sources". |
| **Plant Protection Products** (Directive 2009/128/EC, Regulation (EC) No 1107/2009, Regulation (EU) No 652/2014) | **Law 4036/27.01.2012 (Government Gazette 8/A/2012)** "Marketing of pesticides, rational use of these and related provisions" as amended and in force. |
| **Major Accidents (Seveso) Directive** (Directive 2012/18/EU) | **JMD 172058/2016 (Government Gazette 354/B/2016)** «Establishing rules, measures and conditions to deal with major-accident hazards in plants due to the presence of dangerous substances in compliance with the provisions of Directive 2012/18/EUof the European Parliament and of the Council of 4 July 2012 "on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC". Replacement of No 12044/613/2007 (Government Gazette 376/B/2007), as corrected (Government Gazette 2259/B/2007)». |
| **Sewage Sludge Directive** (Directive 86/278/EEC) | **JMD 80568/4225/05.07.1991 (Government Gazette 641/B/1991)** "Methods, conditions and restrictions for the use in agriculture of sewage sludge from domestic and urban effluent treatment" for harmonization with the provisions of Council Directive 86/278/EEC "on the protection of the environment, and in particular of the soil, when sewage sludge is used in agriculture". |
| **Urban Wastewater Treatment** (Directives 91/271/EEC, 98/15/EC) | **JMD 5673/400/05.03.1997 (Government Gazette 192/B/1997)** "Measures and conditions for urban wastewater treatment" and its amendments **MD 19661/1982/2.8.1999 (Government Gazette 1811/B/1999) and MD 48392/939/28.3.2002 (Government Gazette 405/B/2002).** |

The planned actions for the implementation of the community and national legislation on water protection are presented in the following table.

*Table 9-2: Actions for the implementation of Community Directives*

| DIRECTIVE | PLANNED ACTIONS | IMPLEMENTING BODIES |
|---|---|---|
| **Bathing water Directive (2006/7/EC)** | • Continue to monitor the quality of bathing water in accordance with Directive 2006/7/EC. | Special Secretariat for Water, Directorate of Water of the Decentralized Administration |
| | • Updating the Greek Bathing Water Profiles Registry. | |
| **Habitats Directive (92/43/EEC) Birds Directive (2009/147/EC)** | • Setting /ApprovalManagementPlansforprotectedareasofNatura 2000 network relating with management water issues | Ministry of Environment and Energy, Management Agencies of Protected Areas |
| | • Monitoring/Assessment of the conservation status of habitats and species directly depending on water in Natura 2000 areas. | |
| **Drinking water (Directives 98/83/EC, 2015/1787/EC)** | • Implementation of Water Safety Plans to ensure public health through the adoption and implementation of Good practice in the water supply distribution systems. | Ministry of Health |
| **Environmental Impact Assessment Directives (2011/92/EC, 2014/52/EC)** | • Amendment of the Ministerial Decision 170225/2014 – Specifications for the contents of environmental permitting dossiers for projects and activities of A category) so that for certain categories of projects, which should be first specified, to make the following mandatory:<br>- Emissions of pollutants by category,<br>- Calculation of pollution impacts in WB defined in the Management Plans and<br>- Comparing these concentrations with the Environmental Quality Standards.<br>• Establishment of a monitoring program and notification of results to the relevant Water Directorate.<br>• Determination of the procedure for the examination of potential affiliation in paragraph 7 of Art. 4 of the WFD (4.7) as described in the 1st Update of the RBMP. | Ministry of Environment and Energy |
| **Industrial Emissions Directive IED, (2010/75/EC)** | • Keeping registration and records of installations that are in line with the provisions of the Directive. | Decentralized administration |
| **Nitrates Directive (91/676/EC)** | • Setting up an Action Plan and taking of any additional Supplementary measure or reinforcement action, in accordance with article 5 of Joint Ministerial Decision 16190/1335/1997. The study on the drafting of Action Plans in all the vulnerable zones of the country has been entrusted by the Ministry of Rural Development and Food to the Agricultural University of Athens and is under preparation. | Special Secretariat for Water/ Ministry of Rural Development and Food |
| | • Systematic monitoring of nitrate levels in WBs that are or may be subject to nitrate pollution. | Special Secretariat for Water, Ministry of Rural Development and Food |
| **Plant Protection Products (Directive 2009/128/EC, Regulation (EU) No. 1107/2009, Regulation (EU) No. 652/2014)** | • Rational use of plant protection products | Ministry of Rural Development and Food |
| **Major Accidents (Seveso) Directive (2012/18/EC)** | • Keeping registration and records of installations that are in line with the provisions of the Directive. | Decentralized administration |
| **Sewage Sludge Directive (86/278/EEC)** | • Setting up a Joint Ministerial Decision, on Measures, Conditions and Procedures for the Use of Sludge from Domestic and Urban Wastewater Treatment and Certain Wastewater, in compliance with the provisions of Directive 86/278 / EEC and in replacement of Joint Ministerial Decision 80568/4225 / 1991 and promotion of actions related to the safe disposal of treated sludge. | Ministry of Environment and Energy |

| DIRECTIVE | PLANNED ACTIONS | IMPLEMENTING BODIES |
|---|---|---|
| **Urban Waste Water Treatment Directive (91/271/ EC, 98/15/EC)** | • Completion of sewerage and waste water treatment projects of the settlements that concerns the provisions of the Directive (covering all agglomerations with a population greater than 2,000 p.e.). | Region, MEWSS, Municipalities |
| | • Strengthening actions to control the effective operation of existing wastewater treatment and drainage projects. | Region |

### 9.1.2 Other Basic Measures (Group II Basic Measures)

*Table 9-2: Basic measures of other categories*

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP | IMPLEMENTING BODIES |
|---|---|---|---|
| **M12B0201** Upgrading of the organizational function of **Organizations of Land Reclamation** for the compliance with the financial and other data in order to meet the requirements of the Joint Ministerial Decision 132275/19.05.2017 (Government Gazette 1751 B'/22.05.2017) of the National Water Committee, which deals with pricing and costing rules for water supply services. | Measures to implement the cost recovery principle (Art. 9) | NEW MEASURE | Organization of Land Reclamation (Local, General) / Region / Ministry of Environment & Energy(Special Secretariat for Water) /Ministry of Rural Development & Food |
| **M12B0202** Upgrade of the organizational function of **MEWSS** for the compliance with the financial and other data in order to meet the requirements of the Joint Ministerial Decision 132275/19.05.2017 (Government Gazette 1751 B'/22.05.2017) of the National Water Committee, which deals with pricing and costing rules for water supply services. | Measures to implement the cost recovery principle (Art. 9) | NEW MEASURE | MEWSS / Ministry of Environment & Energy (Special Secretariat for Water) / Ministry of Interior |
| **M12B0203** Upgrading of the organizational function of **the Local Government Organizations** for the compliance with the financial and other data in order to meet the requirements of the Joint Ministerial Decision 132275/19.05.2017 (Government Gazette 1751 B'/22.05.2017) of the National Water Committee, which deals with pricing and costing rules for water supply services. | Measures to implement the cost recovery principle (Art. 9) | NEW MEASURE | Local Government Organizations / Ministry of Environment & Energy (Special Secretariat for Water) / Ministry of Interior |
| **M12B0204** Training and expertise of all the stakeholders (Decentralized Administrations, Regions, MEWSS, LOLR, Local Government Organizations of the Joint Ministerial Decision 132275/19.05.2017 (Government Gazette 1751 B'/22.05.2017) of the National Water Committee, which deals with pricing and costing rules for water supply services. | Measures to implement the cost recovery principle (Art. 9) | NEW MEASURE | Ministry of Environment & Energy (Special Secretariat for Water) |
| **M12B0301** Preparation / Update of the Water Supply Masterplan. | Measures to promote an efficient and sustainable water use (Art. 4) | Modification / Specialization of the measure OM06-02 | MEWSS / Municipals /Water suppliers/ Decentralized Administration (Water Directorate) |
| **M12B0302** Actions for the reinforcement, rehabilitation, modernization of water supply networks and leakage control. | Measures to promote an efficient and sustainable water use (Art. 4) | Modification / Consolidation of the measures OM05-01 and OM05-02 | Municipalities / MEWSS / Drinking water providers / Region / Decentralized Administration (Water Directorate) |
| **M12B0303** Increase of the efficiency of water use in land reclamation infrastructures. | Measures to promote an efficient and sustainable water use (Art. 4) | Modification / Specialization of the measure OM05-05 | Ministry of Rural Development and Food, Regions |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP | IMPLEMENTING BODIES |
|---|---|---|---|
| **M12B0304**<br>Investments for saving water in agriculture. | Measures to promote an efficient and sustainable water use (Art. 4) | NEW MEASURE | Individuals / Irrigation water providers / Ministry of Rural Development and Food / Regions |
| **M12B0305**<br>Determination of maximum irrigation requirements for crops for private water abstractions. | Measures to promote an efficient and sustainable water use (Art. 4) | Modification / Specialization of the measure OM07-08 | Decentralized Administration (Water Directorate), Regional directorate of Rural Economy and Veterinary Medicine |
| **M12B0306**<br>Strengthening loss reduction actions on collective irrigation networks. | Measures to promote an efficient and sustainable water use (Art. 4) | Modification / Specialization of the measure OM05-05 | GOLR/LOLR/Collective Irrigation Networks, Region |
| **M12B0307**<br>Preparation of manual of technical specifications for application of water reuse methods. | Measures to promote an efficient and sustainable water use (Art. 4) | Continuation of measure OM08-02 | Ministry of Environment & Energy (Special Secretariat for Water) |
| **M12B0308**<br>Update of the existing Strategic Plan to Address Water Scarcity and Drought | Measures to promote an efficient and sustainable water use (Art. 4) | NEW MEASURE | Decentralized Administration (Water Directorate), Ministry of Environment & Energy (Special Secretariat for Water) |
| **M12B0401**<br>Definition and delimitation of zones and/or measures for the protection of water abstraction points, intended for human consumption from groundwater bodies. | Measures to meet the requirements of Article 7 (drinking water) | Modification / Specialization of the measures OM06-05 and OM06-06 | Decentralized Administration (Water Directorate) and Drinking water providers (MEWSS, Municipalities etc.) |
| **M12B0402**<br>Protection of GWBs included in the register of protected areas for human consumption and establishment of an institutional framework of protection. | Measures to meet the requirements of Article 7 (drinking water) | Modification of the measure OM06-07 | Decentralized Administration (Water Directorate) |
| **M12B0403**<br>Surface water projects for water supply protection. | Measures to meet the requirements of Article 7 (drinking water) | NEW MEASURE | Municipalities / MEWSS / Water providers / Decentralized Administration (Water Directorate) |
| **M12B0404**<br>Implementation of Water Safety Plans. | Measures to meet the requirements of Article 7 (drinking water) | Modification of the measure OM06-01 | MEWSS, Municipalities, Drinking water providers, Decentralized Administration (Water Directorate) |
| **M12B0501**<br>Restrictions, terms and conditions for the construction of groundwater abstraction projects (drilling, wells, etc.) for new uses, as well as extension of existing water use permits to:<br>(a) areas of GWBs with a Bad quantitative status,<br>(b) the protection zone II of the abstraction projects serving the water supply networks that operated by Municipalities, Municipal links, MEWSS, Inter-MEWSS and drinking water companies,<br>γ) zones of collective irrigation networks,<br>δ) coastal GWBs with extensive or local salinization problems, regardless of their origin. | Measures to control surface and groundwater abstractions | Modification / Specialization of the measure OM07-06 | Decentralized Administration (Water Directorate) |
| **M12B0502**<br>Annual electronic recording of measurements of surface and groundwater abstractions. | Measures to control surface and groundwater abstractions | Modification / Specialization of the measure OM07-03 | Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorate), Regions |
| **M12B0601**<br>Investigation of the conditions for application of artificial underground aquifer enrichment as a mean of quantitative enhancement and quality protection of GWBs, with a priority for GWBs with poor condition and treatment of sanitation. | Measures to control the artificial recharge of groundwater aquifers | Continuation of the measure OM08-01 | Region, Municipalities, Decentralized Administration (Water Directorate), Region |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP | IMPLEMENTING BODIES |
|---|---|---|---|
| **M12B0602** Establishment of a National Register of Waste Disposal Sites (Joint Ministerial Decision 145116/2011 - Government Gazette 354B/08.03.2011). | Measures to control the artificial recharge of groundwater aquifers | Integration of measures OM09-01 and OM12-01 | Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorate) |
| **M12B0701** Strengthening environmental inspections and controls. | Measures for point source pollution | NEW MEASURE | Region |
| **M12B0702** Modernization of national legislation on waste and industrial waste management. | Measures for point source pollution | Continuation of measure OM09-01 | Ministry of Environment & Energy (Special Secretariat for Water),Ministry of health |
| **M12B0703** Program of exploratory monitoring of the quality of groundwater bodies and surface water bodies in the areas of existing Landfills. | Measures for point source pollution | Modification / Specialization of the measure SM05-03 | Landfill Operators, National Monitoring Network coordinated by the Water Directorate |
| **M12B0704** Conditions for the licensing of new/extension of existing aquaculture units. | Measures for point source pollution | Modification / Specialization of the measure OM09-07 | Ministry of Environment & Energy,Decentralized Administration,Region |
| **M12B0705** Preparation of rules for cesspit protection. | Measures for point and diffuse source of pollution | Modification of the measure SM05-01 | Decentralized Administration (Water Directorate) |
| **M12B0801** Biological agriculture. | Measures for diffuse source pollution | NEW MEASURE | Ministry of Rural Development and Food (Directorate of Quality Systems, Organic Production and Geographical Indications) |
| **M12B0802** Modernization of the institutional framework for sludge management by municipal waste water treatment plants with emphasis on widening the scope and updating the quality characteristics of the applicable sludge. | Measures for diffuse source pollution | Modification of the measure OM10-03 | Ministry of Environment & Energy (Environmental Certification Directorate) |
| **M12B0803** Reduce diffuse pollution from agriculture in the vulnerable zones of the Directive 91/676/EEC. | Measures for diffuse source pollution | NEW MEASURE | Ministry of Environment & Energy (Special Secretariat for Water), Ministry of Rural Development and Food, Region |
| **M12B0902** Determination of minimum natural lakes level, determination of maximum range of reservoir level variation. | Measures to confront the negative effects on water status | NEW MEASURE | Project principal, Region, Protected Areas Management Bodies, Decentralized Administration (Water Directorate) |
| **M12B0903** Development of national methodology and specifications for the determination of ecological provision of river water bodies. | Measures to confront the negative effects on water status | Continuation of measure OM07-04 | Ministry of Environment & Energy (Special Secretariat for Water) |
| **M12B0904** Special Measures for the Achievement of Good Ecological Potential in Heavily Modified Water Bodies (HMWB). | Measures to confront the negative effects on water status | NEW MEASURE | Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorate), Region |
| **M12B0905** Determination of selected areas for river sediment deposits removal to meet the needs of technical projects. | Measures to confront the negative effects on water status | Continuation of measure OM11-01 | Municipalities, Region, Decentralized Administration (Water Directorate) |
| **M12B1101** Compilation of pollution sources register (emissions, discharges and leaks). | Measures for Priority Substances and other pollutants | Modification / Specialization of the measure OM13-01 | Ministry of Environment & Energy (Special Secretariat for Water) |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP | IMPLEMENTING BODIES |
|---|---|---|---|
| **M12B1102**<br>Establishment / setting of emission limits for RBs for priority substances and other pollutants in the Joint Ministerial Decision 51354/2641/E103/2010 as in force, as well as for physicochemical (PSC) parameters in relation to the quality objectives set out in the Management Plans. | Measures for Priority Substances and other pollutants. | Modification / Specialization of the measure OM09-02 | Decentralized Administration (Water Directorate), Ministry of Environment & Energy (Special Secretariat for Water) |

## 9.2 Supplementary measures

In order to achieve the goals of the River Bain Management Plan, it is necessary to support the implementation of the Basic Measures with Supplementary Measures.

In RBD 12, it was decided to propose additional measures for the following reasons:

(a) To maintain the "good" status of surface WBs or GWBs, as well as to increase knowledge and awareness on specific issues for the rational use of water by targeted users. In this case, the supplementary measures have a horizontal, general application and the affected water bodies are not identified.

(b) In the water bodies, which are estimated that despite the implementation of the basic measures program, they will not achieve the objective of "good" status by 2021, and in particular:

- in water systems which, according to measurements of the qualitative and quantitative parameters or the new methodological approach of their aggregation, are in a state of "Failing to achieve Good",
- in water systems that are in "Unknown" or in "good" condition, but there is clear evidence, through the analysis of pressures, that they are at risk of not achieving their environmental objectives.

The measures of (b) case are taken into account for the calculation of environmental costs and/or resource costs, according to the provisions of Joint Ministerial Decision No 135275 of the National Water Committee (Government Gazette 1751/B/22-05-2017). The following table lists the water bodies of the RBD for which it is considered necessary to take relevant targeted additional measures.

*Table 9-3: WBs of the Thrace RBD (EL12), for which additional measures are deemed necessary*

| WB CODE | WB NAME | WB CATEGORY | TOTAL STATUS | PRESSURES |
|---|---|---|---|---|
| EL1210T0005N | EVROS RIVER DELTA | T | Unknown | 4.1.1 - Physical alteration of channel/bed/riparian area/shore - Flood protection<br>4.1.2 - Physical alteration of channel/bed/riparian area/shore - Agriculture<br>4.1.5 - Physical alteration of channel/bed/riparian area/shore - Unknown or obsolete |
| EL1208T0004N | RODOPI - PORTO LAGOS LAG. | T | Poor ecological, Failing to achieve Good chemical | 4.1.4 - Physical alteration of channel/bed/riparian area/shore – Other<br>2.2 - Diffuse-Agriculture |

| WB CODE | WB NAME | WB CATEGORY | TOTAL STATUS | PRESSURES |
|---|---|---|---|---|
| EL1209L000006N | ISMARIDA L. | L | Poor ecological, Failing to achieve Good chemical | 4.1.2 - Physical alteration of channel/bed/riparian area/shore - Agriculture<br>4.1.4 - Physical alteration of channel/bed/riparian area/shore – Other |
| EL1207R0002000002H<br>EL1207R0002000004H<br>EL1207R0002010001H | NESTOS P. | R | ModerateandUnknownecological, GoodandUnknownchemical | 4.3.3 - Hydrological alteration – Hydropower<br>3.1 - Abstraction or flow diversion –Agriculture |
| EL1207T0003N | NESTOS RIVER DELTA | T | Unknownecological, Goodchemical | 4.1.4 - Physical alteration of channel/bed/riparian area/shore - Other |
| EL1210R0T020000138N | EBROS R. | R | Moderate ecological, Failing to achieve Good chemical | 8 - Anthropogenic pressure – Unknown (transboundary)<br>2.7 - Diffuse - Atmospheric deposition |
| EL1210R0B131600174H | ARDAS R. | R | Moderate ecological, Failing to achieve Good chemical | 3.1 - Abstraction or flow diversion –Agriculture<br>4.3.3 - Hydrological alteration – Hydropower<br>2.7 - Diffuse - Atmospheric deposition |
| EL1210R00111200157N | ERYTHROPOTAMOS R. | R | Poor ecological, Failing to achieve Good chemical | 2.1 - Diffuse - Urban run-off<br>2.2 - Diffuse-Agriculture<br>2.7 - Diffuse - Atmospheric deposition |
| EL1210R00090100122H | LOUTROU R. | R | Moderate ecological, Failing to achieve Good chemical | 2.2 -Diffuse-Agriculture<br>3.2 - Abstraction or flow diversion - Public water supply<br>4.2.3 - Dams, barriers and locks - Drinking water<br>2.7 - Diffuse - Atmospheric deposition |
| EL1210R00020100126H | ARDANIOU R. | R | Moderate ecological, Failing to achieve Good chemical | 2.2 - Diffuse-Agriculture<br>4.1.2 - Physical alteration of channel/bed/riparian area/shore - Agriculture<br>4.2.2 - Dams, barriers and locks - Flood protection |
| EL1209R0002030095H | LISSOS R. | R | Moderate ecological, Failing to achieve Good chemical | 2.2 - Diffuse-Agriculture<br>4.1.2 - Physical alteration of channel/bed/riparian area/shore – Agriculture<br>2.7 - Diffuse - Atmospheric deposition |
| EL1207R0B02280041N | DESPATHS P. | R | Καλή οικολογική,< Καλής χημική | 2.7 - Diffuse - Atmospheric deposition |
| EL1200060 | NESTOS DELTA | GWB | Good quantitative, Badchemical | 3.1 - Abstraction or flow diversion –Agriculture |
| EL1200050 | XANTHI - KOMOTINI | GWB | Good quantitative, Badchemical | 3.1 - Abstraction or flow diversion –Agriculture |
| EL120T020 | EVROS RIVER ADJACENT AREA – EVROS DELTA | GWB | Good quantitative, Badchemical | 3.1 - Abstraction or flow diversion –Agriculture |
| EL1200030 | MAKRI | GWB | Good quantitative, Good chemical | 3.1 - Abstraction or flow diversion –Agriculture |

| WB CODE | WB NAME | WB CATEGORY | TOTAL STATUS | PRESSURES |
|---|---|---|---|---|
| EL1200040 | FILIOURIS | GWB | Good quantitative, Badchemical | 3.1 - Abstraction or flow diversion –Agriculture |
| EL1200080 | THASOS | GWB | Good quantitative, Good chemical | 3.1 - Abstraction or flow diversion –Agriculture |
| EL1200130 | ALEXANDROYPOLIS | GWB | Good quantitative, Good chemical | 3.1 - Abstraction or flow diversion –Agriculture |

The program of measures of the RBD of Thrace includes 25 supplementary measures, which are presented in the following table.

*Table 9-4: Table of Supplementary Measures of RBD of Thrace (EL12)*

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP. | AFFECTED WB | IMPLEMENTING BODIES | IMPLENTATION COST (€) |
|---|---|---|---|---|---|
| **M12S0201** Development of the Monitoring System of the Measures Program of the RBMP of the River basic district and provision of support services for the implementation of the program of measures of the River basic district. | Administrative measures | New measure | All WBs | Decentralized Administration (Water Directorate) | 650.000 |
| **M12S0501** Inspections at the estuaries of rainwater pipelines and other point sources of pollution that result in surface water bodies. | Emission control | New measure | ALEXANDROUPOLIS PORT (EL1210C0007H) | Municipals / MEWSS / Region/ Decentralized Administration (Water Directorate), Ministry of Environment & Energy (Special Secretariat for Water | 2.000 per position |
| **M12S0502** Implementation of investment in agriculture and livestock holdings, aiming on improving environmental performances. | Emission control | New measure | All WBs | Ministry of Rural Development and Food/ Region | 441.500 |
| **M12S0701** Redesign of the existing drainage network in the Evros River Delta. | Recreation and restoration of wetlands | Modification of the measure SM07-03 | EVROS RIVER DELTA (EL1210T0005N) | Management Body of Evros Delta National Park | 1.500.000 |
| **M12S0702** Preparation of fishing management study of Drana Lagoon in order to promote the construction of fishing infrastructure. | Recreation and restoration of wetlands | Continuation of measure SM07-04 | EVROS RIVER DELTA (EL1210T0005N) | Management Body of Evros Delta National Park | 370.000 |
| **M12S0703** Detailed delineation of bank, riparian zone, old bank and bathymetric mapping of lagoons and lakes in the Eastern Macedonia and Thrace National Park. | Recreation and restoration of wetlands | Continuation of measure SM07-05 | RODOPI - PORTO LAGOS LAG. (EL1208T0004N) ISMARIDA L. (EL1209L000006N) | Management Body of Nestos Delta – Vistonida – Ismarida | 75.000 |
| **M12S0704** Study for the sediment management and restoration of water balance in Vistonida lagoon. | Recreation and restoration of wetlands | Continuation of measure SM07-06 | RODOPI - PORTO LAGOS LAG. (EL1208T0004N) | Management Body of Nestos Delta – Vistonida – Ismarida | 400.000 |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP. | AFFECTED WB | IMPLEMENTING BODIES | IMPLENTATION COST (€) |
|---|---|---|---|---|---|
| **M12S0705**<br>Study for the sediment management and restoration of Ismarida Lake and selected lagoons of the Eastern Macedonia and Thrace National Park. | Recreation and restoration of wetlands | Continuation of measure SM07-07 | RODOPI - PORTO LAGOS LAG. (EL1208T0004N)<br>ISMARIDA L. (EL1209L000006N) | Management Body of Nestos Delta – Vistonida – Ismarida | 200.000 |
| **M12S0706**<br>Study for the restoration of the riparian forests of the Eastern Macedonia and Thrace National Park. | Recreation and restoration of wetlands | Continuation of measure SM07-08 | NESTOS RIVER DELTA (EL1207T0003N)<br>NESTOS P. (EL1207R0002000002H, EL1207R0002000004H,EL1207R0002010001H)KOSYNTHOS R. (EL1208R0000010052H, EL1208R0000030055H,EL1208R0000030056H)LISSOS P. (EL1209R0002030094H, EL1209R0002030095H)<br>VOSVOZIS P. (EL1209R0000010084N, EL1209R0000010085N)<br>EVROS RIVER DELTA (EL1210T0005N) | Management Body of Nestos Delta – Vistonida – Ismarida, Management Body of Evros Delta National Park | 200.000 |
| **M12S0707**<br>Immediate actions for the protection of Ismarida Lake. | Recreation and restoration of wetlands | Continuation of measure SM07-09 | ISMARIDA L. (EL1209L000006N) | Management Body of Nestos Delta – Vistonida – Ismarida | 237.000 |
| **M12S0801**<br>Designation and delineation of areas of GWBs exhibiting local salinization intrusion or with bad qualitative status due to salinization. | Abstractions Control | Continuation of measure SM08-01 | EVROS RIVER ADJACENT AREA – EVROS DELTA (EL120T020),<br>GWB MAKRI (EL1200030),<br>GWB FILIOURIS (EL1200040),<br>GWB XANTHI – KOMOTINI (EL1200050),<br>NESTOS DELTA (EL1200060),<br>GWB THASOS (EL1200080),<br>GWB ALEXANDROUPOLIS (EL1200130) | Decentralized Administration (Water Directorate) / Regions | 70.000 per GWB |
| **M12S1101**<br>Implementation of Temenos SHP. | Construction Works | Continuation of measure SM11-01 | NESTOS P. (EL1207R0002000002H, EL1207R0002000004H,EL1207R0002010001H) | PPC S.A. | 85.000.000 |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP. | AFFECTED WB | IMPLEMENTING BODIES | IMPLENTATION COST (€) |
|---|---|---|---|---|---|
| **M12S1301** Design and implementation of projects to address the impacts of dams, barriers and elevations to the free movement of anadromous and catadromous fish species in selected SWBs of the RBD. | Rehabilitation Projects | New measure /Modification of the measure SM16-03 | NESTOS P. (EL1207R0002000004H)KOSYNTHOS R.(EL1208R0000000057N,EL1208R0000040058N)MEGALO R.(EL1208R0000020054N)SIDIROREMA R.(EL1209R0002040096N, EL1209R0002040097H, EL1209R0002040098N) EIRHNH R.(EL1210R00050300119N) ARDANIOU R.(EL1210R00020100126H) LOUTROU R.(EL1210R00090100122H) | Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorate),Institute for Fisheries Research | 700.000 |
| **M12S1401** Application of Artificial Recharge of Nestos DeltaGWB(EL1200060) | Artificial Recharge of GWBs | Continuation of measure SM14-01 | GWB NESTOS DELTA(EL1200060) | Decentralized Administration (Water Directorate) | 4.000.000 |
| **M12S1402** Application of Artificial Recharge of Xanthi – Komotini GWB (EL1200050) | Artificial Recharge of GWBs | Continuation of measure SM14-02 | GWB XANTHI – KOMOTINI (EL1200050) | Decentralized Administration (Water Directorate) | 2.800.000 |
| **M11S1501** Professtional training of farmers for the protection of water bodies. | Educational Measures | New measure / Connects with measure SM15-01 | All WBs | Special Management Service of the Rural Development Program of Ministry of Rural Development and Food, Region | 225.165 |
| **M11S1502** Educational actions to promote the rational management of water resources. | Educational measures | New measure | All WBs | Decentralized Administration (Water Directorate), Region | 150.000 |
| **M11S1601** Pilot measures to apply precision agriculture to reduce water consumption. | Research, development & demonstration programmes | New measure | All WBs | Special Management Service of the Rural Development Program of Ministry of Rural Development and Food, Regions | 388.520 |
| **M11S1602** Consultancy services for agriculture exploitation management | Research, development & demonstration programmes | New measure | All WBs | Decentralized Administrations of the Ministry of Rural Development and Food | 600.440 |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP. | AFFECTED WB | IMPLEMENTING BODIES | IMPLENTATION COST (€) |
|---|---|---|---|---|---|
| **M11S1603**<br>Design and implementation of specific program exploratory monitoring with the aim of collecting data on the baseline identification of WB Downstream Dams as HMWB. | Research, development & demonstration programmes | New measure | AMYGDALOREMA R.(EL1209R0002040116 H)NESTOS P. (EL1207R0002150021H) LOUTROU R. (EL1210R00090100121H, EL1210R00090100122H) XEROREMA R. (EL1209R0002080021H) | Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorate) | 250.000 |
| **M11S1604**<br>Research program to identify the causes of macroinvertebrates degradation in river WBs. | Research, development & demonstration programmes | New measure | NESTOS P. (EL1207R0B02000040N) KOSYNTHOS R. (EL1208R0000000057N) AMMOREMA R. (EL1208R0000010064N) KOMPSATOS R. (EL1208R0000010067N) ASPROPOTAMOS R. (EL1208R0000010080H) KOSYNTHOS R. (EL1208R0000030056H) LISSOS R. (EL1209R00020000102H) LISSOS R.(EL1209R0002030095 H) SIDIROREMA R.(EL1209R0002040098 N) AMYGDALOREMA R.(EL1209R0002040199 H) ARDANIOU R.(EL1210R00020100126H) EIRHNH R.(EL1210R00050100117N) LOUTROU R. (EL1210R00090100122H) ERYTHROPOTAMOS R. (EL1210R00111200157N) ERYTHROPOTAMOS R. (EL1210R0B111200162N) ERYTHROPOTAMOS R. (EL1210R0B111200164N) ARDAS P. (EL1210R0B131600174H) | Ministry of Environment & Energy (Special Secretariat for Water) and Monitoring Bodies (HCMR) | 50.000 |

| CODE & NAME OF MEASURE | CATEGORY | CONECTION WITH THE 1st RBMP. | AFFECTED WB | IMPLEMENTING BODIES | IMPLENTATION COST (€) |
|---|---|---|---|---|---|
| **M11S1605**<br>Special study to investigate environmental quality standards exceedances of certain Priority Substances and Specific Pollutants. | Research, development & demonstration programmes | Continuation of measure SM16-06 | DESPATHS P.(EL1207R0B02280041N)<br>LISSOS R. (EL1209R0002030095H)<br>ARDANIOU R.(EL1210R00020100126H)<br>LOUTROU R. (EL1210R00090100122H)<br>ERYTHROPOTAMOS R. (EL1210R00111200157N)<br>ARDAS P.(EL1210R0B131600174H)<br>EBROS R.(EL1210R0T020000138N)<br>ISMARIDA L. (EL1209L000006N) | Decentralized Administration (Water Directorate) | 200.000 |
| **M11S1606**<br>Investigation of appropriate measures to combat the salty wedge intrusion phenomenon at the estuaries of Nestos,Lissos and Ebros rivers. | Research, development & demonstration programmes | Continuation of measure SM16-02 | NESTOS RIVER DELTA (EL1207T0003N)NESTOS P. (EL1207R0002010001H)<br>LISSOS R. (EL1209R0002030094H)<br>EVROS RIVER DELTA (EL1210T0005N)<br>EBROS R.(EL1210R00020300132A)<br>EBROS R.(EL1210R0T020100133N) | Decentralized Administration (Water Directorate) | 300.000 |
| **M11S1607**<br>Investigation of suitable sites for the construction of artificial wetlands at the drainage networks outlets in Vistonida Lagoon and Ismarida Lake. | Research, development & demonstration programmes | Continuation of measure SM16-05 | RODOPI - PORTO LAGOS LAG. (EL1208T0004N)<br>ISMARIDA L. (EL1209L000006N) | Decentralized Administration (Water Directorate) | 400.000 |
| **M11S1608**<br>Special Hydrogeological – Hydrochemical study for the determination of GWBs or parts thereof, where there are chemical elements with high natural background values (indicatively:Fe, As, B, U, Mg etc.), when the aforementioned parts are linked with waterworks. | Research, development & demonstration programmes | New measure | GWBORESTIADA (EL12BT010), GWBXANTHI – KOMOTINI (EL1200050) GWBNESTOS DELTA (EL1200060) | Decentralized Administration (Water Directorate), Region, Municipalities, MEWSS | 50.000 per GWB |

# 10 NEXT STEPS

## 10.1 Difficulties encountered in the preparation of the 1st Update

During the process of drafting the 1st Update of the RBMP, the following issues and difficulties arose, regarding mainly the available data of the National Monitoring Network:

- The statutory National Monitoring Network, insomecases, presents particularities in the distribution of the monitoring stations for GWBs (i.e. thickening/thinning).
- Measurement deficiencies were observed in the data required for the chemical classification of the GWBs and no trend analysis was possible.
- Further investigation of the correlation between morphological modifications and classification results from the National Monitoring Network data in bodies identified as HMWB is required.
- The National Monitoring Network data in bodies identified as HMWB have in many cases resulted in a classification that is inconsistent with the theoretical underlying of the assessment (i.e. finding a systemic degradation of macroinvertebrates in conditions of good physicochemical status).
- There were no measurements of all biological quality elements in all National Monitoring Network stations in surface water bodies.
- Available measurements for priority substances were relatively limited.
- Fragmentation of technical and economic data obtained from the completed questionnaires by the water service providers.

## 10.2 Next Steps – Implementation of the 1st Update of the RBMP

In order to achieve the objectives of the Management Plan, the Program of Basic and Supplementary Measures is required. For the optimal implementation of the Program, the Regional Working Group on the Implementation of the Programs of River Basin Management Plans, which was already established during the implementation of the 1st RBMP, is required to draw up an Action Plan. The main axes for structuring the Action Plan are as follows:

- Programs to monitor/investigate the quantitative and qualitative status of surface and groundwater bodies.
- Ensuring drinking water in sufficient quantity and satisfactory quality, according to the requirements of the relevant legislation.
- Water for agriculture.
- Protected Areas.
- Strengthening environmental inspections and controls.
- Other Measures under the proposed Program of Measures.

Further critical issues that determine the degree of implementation of the Porgram of Measures are as follows:

- Coordination of the bodies involved in the implementation of the Program and provision of channels of communication with other stakeholders.
- Assessing the results of the National Monitoring Network and adapting it where deemed appropriate.
- Transboundary cooperation at local and national level.

Finally, with a view to the effective implementation of the 1st Update of the RBMP, institutional interventionsare also proposed concerning: (a) the jurisdiction of the Water Directorates so that they are not linked to the administrative boundaries of the Decentalized Administration but to the boundaries of the Water Districts and (b) the administrative affiliation and supervision of the actions of the relevant Water Directorate per Water Residential Department by the Special Secretariat for Water/Ministry of Environment and Energy (enriching their responsibilities).

# 11 TRANSBOUNDARY COOPERATION

## 11.1 Transboundary waters – Cooperation Framework

In Thrace RBD (EL12), there are two transboundary basins. The basin of Nestos River, which Greece shares with Bulgaria, and the basin of Evros river, which Greece shares with Bulgaria (rivers Evros, Ardas and Erythropotamos) and Turkey (Evros r.).

In the field of transnational cooperation for the management of transboundary water resources, the following agreements between Bulgaria and Greece are in force: (a) the Greek -Bulgarian Agreement of 1963 on the cooperation about the use of water resources of rivers that flow through the territories of the two countries (LD 4393/1964, Government Gazette 193 A') and (b) the Greek -Bulgarian Agreement on Nestos waters (1995), which was ratified by Greece under Law 2402/1995 (Government Gazette 98 A'). In addition to the above agreements, the transboundary cooperation also includes initiatives by academic bodies and cooperation in joint research projects on transboundary basins.

Recently, from mid-2010 to today, much progress has been made concerning the active political cooperation between Greece - Bulgaria and Greece - Turkey in the field of transboundary water management.

Bulgaria, as a member of the EU since 2007, has the obligation to fully implement Directive 2000/60/EC.

The situation with Turkey is different because the country is not a member of the EU and therefore has no obligation to apply Directive 2000/60/EC. Nonetheless, cooperation on water resource management is desirable on both sides. In addition, the *Directive* provides that in the case of transbounday river basins between EU MemberStates and third countries, every effort must be made by the Member State to establish a platform for cooperation with the third country on water management in a way that the objectives of the *Directive* are served as far as possible. It is worth mentioning that both Greece and Turkey place great emphasis on the issue of dealing with the floods in Ebros R., a matter that is related to the implementation of Directive 2007/60/EC.

On July 27 of 2010, the Joint Statement of the Minister of Environment, Energy and Climate Change of Greece and the Minister of Environment and Water of Bulgaria "On the understanding and cooperation in the field of water resources use in the respective territories of common river basins shared by the Republic of Bulgaria and the Hellenic Republic" was signed. The declaration provides, among other things, for the establishment of a Joint Expert Working Group on cooperation on water and the environment in transboundary basins.

TheJoint Working Group met for the first time in Drama on 16 May 2011and held its second meeting in Sofia on 12 October 2011. The third meeting took place in Thessaloniki on 23 April 2013, the fourth in Athens on 8 May 2015 and the fifth in Sandanski on 13 May 2016. The last, sixth meeting, of the Joint Working Group took place in Kavala on 21 June 2017.The following three meetings of the sub-group on Technical Data were also held: in Kavala on 26 April 2012, in Blagoevgrad on 25 and 26 July 2013 and in Athens on 23 June 2015.

As regards cooperation with Turkey, the Ad Hoc Joint Committee was set up on cooperation issues for river Evros. The Ad Hoc Joint Committee was established following the Joint Declaration of the Ministers of Environment of the two countries, signed in Athens on 14-05-2010. The Committee held its first meeting on 30 May 2010. In the course of its work, the Joint Committee set up a Joint Working Group to exchange information and data on river Evros and its sub-basins in Greece and Turkey.

## 11.2 Transboundary River Basin of Nestos

Bulgaria has been divided into four (4) River Basin Districts in accordance with Directive 2000/60/EC. The Bulgarian part of the transboundary river basin of Nestos belongs to the "BG4" RBD, located in Blagoevgrad (see figure below).

For the waters of Nestos, a series of negotiations began in the 1960s, ending in the agreement between Greece and Bulgaria, signed in 1995 (ratified by Law 2402/1996, Government Gazette 98 A').

The main points of the agreement are:

- The agreement obliges Bulgaria to channel 29% of the water supply of Nestos in Greece, without determining the seasonal fluctuation of this supply. The average run-off on the basis of data from 1935 to 1970 is set at 1.500 $hm^3$.
- Establishment of a Permanent Hellenic – Bulgarian Hydroeconomy Committee, responsible for the implementation of the agreement and dispute settlement.
- International Conventions and EU Directives will be taken into account to improve water quality.

A Dam has been built in Bulgaria in the basin of Despatis tributary. The river basin area bounded by it is 565 $km^2$, out of a total of 3.437 $km^2$ of the Nestos river basin in Bulgaria.

*Figure 11-1: Transboundary River Basin of Nestos*

## 11.3 Transboundary River Basin of Evros

The transboundary basin of river Evros concerns both Greece and Bulgaria, with which our country shares rivers Ardas and Erythropotamos, and Greece and Turkey, where Evros extends along the border line.

Bulgaria has been divided into four (4) River Basin Districts in accordance with Directive 2000/60/EC. The Bulgarian part of the transboundary river basin of Evros belongs to the "BG3" RBD, located in Plovdiv (see figure below).

Information about cooperation between Greece and Bulgaria have already been shown in chapter 11.1. Similar contacts have also been made with the Turkish side. A Joint Committee has been set up which also set up a Working Group on the organization and exchange of data concerning Evros and its sub-basins in Greek and Turkish territory. The Working Group has already met twice in Adrianople (Edirne) and Alexandroupolis.

The two sides have exchanged information on the type of quantitative and qualitative data they collect and are in the process of exchanging these data. The competent authorities of the two neighboring countries for the management of water resources are: in the case of Bulgaria the East Aegean RBD based in Plovdiv, and in the case of Turkey the Directorate of State Hydraulic Works (DSI), based in Adrianople (Edirne).

*Figure 11-2: Transboundary River Basin of Evros*

# 12 STATISTICAL DATA OF THRACE RBD (EL12)

The following Tables present aggregated statistics for the Thrace RBD (EL12)

*Table 12-1: Categories of WB per RB of Thrace RBD (EL12)*

| WB Categories | RB Nestos (EL1207) | RB Xanthis - Xirorematosstreams (EL1208) | RB Komotinis – Loutrou Evrou streams (EL1209) | RB Evros (EL1210) | RB Thasos - Samothraki (EL1242) | Total RBD |
|---|---|---|---|---|---|---|
| River WB | 50 | 28 | 28 | 63 | 7 | 176 |
| Lake WB & Reservoirs | 2 | - | 3 | 1 | - | 6 |
| Transitional WB | 3 | 1 | - | 1 | - | 5 |
| Coastal WB | 3 | 2 | 1 | 3 | 3 | 12 |
| **TOTAL OF SWB** | **58** | **31** | **32** | **68** | **10** | **199** |
| **Groundwater WB** | **3** | **1** | **4** | **6** | **4** | **18** |
| **TOTAL WB** | **61** | **32** | **36** | **74** | **14** | **217** |
| Heavily modified water bodies (HMWB) and artificial Water bodies (AWB) | 8 | 5 | 9 | 17 | - | 39 |
| WB Connection with protected areas | 44 | 20 | 22 | 49 | 8 | 143 |

*Table 12-2: Typology of SWB per RB of Thrace RBD (EL12)*

| TYPOLOGY OF SWB | RB Nestos (EL1207) | RB Xanthis - Xirorematosstreams (EL1208) | RB Komotinis – Loutrou Evroustreams (EL1209) | RB Evros (EL1210) | RB Thasos - Samothraki (EL1242) | Total RBD |
|---|---|---|---|---|---|---|
| **River WB** | **50** | **28** | **28** | **63** | **7** | **176** |
| Type R-M1 | 43 | 26 | 22 | 37 | 7 | 135 |
| Type R-M2 | 2 | 2 | 6 | 5 | | 15 |
| Type R-M3 | | | | | | 0 |
| Type R-M4 | 5 | | | | | 5 |
| Type R-M5 | | | | 12 | | 12 |
| Type R-L2 | | | | 9 | | 9 |
| **Reservoirs** | **4** | **1** | **2** | **1** | | **5** |
| Type L-M5/7 | 2 | | 1 | 1 | | 4 |
| Type L-M8 | | | | | | |
| Type GR-SR | | | 1 | | | 1 |
| **Lake WB** | | | **1** | | | **1** |
| Type GR-DNL | 2 | | | | | |
| Type GR-SNL | 2 | | | | | |
| Type GR-VSNL | 1 | | 1 | | | 1 |
| **Transitional WB** | **3** | | **1** | **1** | | **5** |
| Type TW 1 | 2 | | 1 | | | 3 |
| Type TW 2 | 1 | | | 1 | | 2 |
| **Coastal WB** | **3** | **2** | **1** | **3** | **3** | **12** |
| Type IIIE | 3 | 2 | 1 | 3 | 3 | 12 |

*Table 12-3: Assessment (classification) results of SWBs status per RB in RBD of Thrace RBD (EL12)*

| STATUS/POTENTIAL | | | RB Nestos (EL1207) | | | | RB Xanthis - Xirorematosstreams (EL1208) | | | | RB Komotinis – Loutrou Evroustreams (EL1209) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Length (km) | % of Length | Number | % of Number | Length (km) | % of Length | Number | % of Number | Length (km) | % of Length |
| **RIVER WB** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | High | | | | | 1 | 3,57% | 13,18 | 5,21% | | | | |
| | | Good | 42 | 84,00% | 344,66 | 79,15% | 19 | 67,86% | 176,59 | 69,79% | 18 | 64,29% | 190,93 | 65,09% |
| | | Moderate | 3 | 6,00% | 52,82 | 12,13% | 3 | 10,71% | 24,65 | 9,74% | 4 | 14,29% | 44,55 | 15,19% |
| | | Poor | 2 | 4,00% | 15,19 | 3,49% | 2 | 7,14% | 26,76 | 10,58% | 2 | 7,14% | 22,24 | 7,58% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | 3 | 6,00% | 22,77 | 5,23% | 3 | 10,71% | 11,85 | 4,68% | 4 | 14,29% | 35,61 | 12,14% |
| | CHEMICAL | Good | 48 | 96,00% | 405,19 | 93,05% | 28 | 100,00% | 253,03 | 100,00% | 27 | 96,43% | 280,05 | 95,47% |
| | | Failing to achieve Good | 1 | 2,00% | 19,55 | 4,49% | | | | | 1 | 3,57% | 13,28 | 4,53% |
| | | Unknown | 1 | 2,00% | 10,7 | 2,46% | | | | | | | | |

*(Continuation of the Table)*

| STATUS/POTENTIAL | | | RB Evros (EL1210) | | | | RB Thasos – Samothraki (EL1242) | | | | Thrace (EL12) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Length (km) | % of Length | Number | % of Number | Length (km) | % of Length | Number | % of Number | Length (km) | % of Length |
| **RIVER WB** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | High | | | | | | | | | 1 | 0,57% | 13,18 | 0,73% |
| | | Good | 42 | 66,67% | 496,92 | 64,15% | 6 | 85,71% | 45,05 | 88,09% | 127 | 72,16% | 1254,15 | 69,38% |
| | | Moderate | 6 | 9,52% | 155,65 | 20,09% | 1 | 14,29% | 6,09 | 11,91% | 17 | 9,66% | 283,76 | 15,70% |
| | | Poor | 3 | 4,76% | 28,43 | 3,67% | | | | | 9 | 5,11% | 92,62 | 5,12% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | 12 | 19,05% | 93,64 | 12,09% | | | | | 22 | 12,50% | 163,87 | 9,07% |
| | CHEMICAL | Good | 56 | 88,89% | 623,6 | 80,50% | 7 | 100,00% | 51,14 | 100,00% | 166 | 94,32% | 1613,01 | 89,24% |
| | | Failing to achieve Good | 6 | 9,52% | 133,03 | 17,17% | | | | | 8 | 4,55% | 165,86 | 9,18% |
| | | Unknown | 1 | 1,59% | 18,01 | 2,32% | | | | | 2 | 1,14% | 28,71 | 1,59% |

| STATUS/POTENTIAL | | | RB Nestos (EL1207) | | | | RB Xanthis - Xiroremastosstreams (EL1208) | | | | RB Komotinis – Loutrou Evroustreams (EL1209) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **RESERVOIRS** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | Good and Higher | 1 | 50,00% | 13,26 | 80,31% | | | | | | | | |
| | | Moderate | 1 | 50,00% | 3,25 | 19,69% | | | | | 1 | 50,00% | 1,43 | 70,10% |
| | | Poor | | | | | | | | | 1 | 50,00% | 0,61 | 29,90% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |
| | CHEMICAL | Good | 2 | 100,00% | 16,51 | 100,00% | | | | | 2 | 100,00% | 2,04 | 100,00% |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |

*(Continuation of the Table)*

| STATUS/POTENTIAL | | | RB Evros (EL1210) | | | | RB Thasos – Samothraki (EL1242) | | | | Thrace (EL12) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **RESERVOIRS** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | Good and Higher | | | | | | | | | 1 | 20,00% | 13,26 | 67,93% |
| | | Moderate | | | | | | | | | 2 | 40,00% | 4,68 | 23,98% |
| | | Poor | | | | | | | | | 1 | 20,00% | 0,61 | 3,13% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | 1 | 100,00% | 0,97 | 100,00% | | | | | 1 | 20,00% | 0,97 | 4,97% |
| | CHEMICAL | Good | | | | | | | | | 4 | 80,00% | 18,55 | 95,03% |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | 1 | 100,00% | 0,97 | 100,00% | | | | | 1 | 100,00% | 0,97 | 4,97% |

| STATUS/POTENTIAL | | | RB Nestos (EL1207) | | | | RB Xanthis – Xiroremato streams (EL1208) | | | | RB Komotinis – Loutrou Evroustreams (EL1209) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **LAKE WB** | | | | | | | | | | | | | | |
| **TOTAL** | ECOLOGICAL | Good and Higher | | | | | | | | | | | | |
| | | Moderate | | | | | | | | | | | | |
| | | Poor | | | | | | | | | | | | |
| | | Bad | | | | | | | | | 1 | 100,00% | 1,86 | 100,00% |
| | | Unknown | | | | | | | | | | | | |
| | CHEMICAL | Good | | | | | | | | | | | | |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | 1 | 100,00% | 1,86 | 100,00% |

*(Continuation of the Table)*

| STATUS/POTENTIAL | | | RB Evros (EL1210) | | | | RB Thasos – Samothraki (EL1242) | | | | Thrace (EL12) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **LAKE WB** | | | | | | | | | | | | | | |
| **TOTAL** | ECOLOGICAL | Good and Higher | | | | | | | | | | | | |
| | | Moderate | | | | | | | | | | | | |
| | | Poor | | | | | | | | | | | | |
| | | Bad | | | | | | | | | 1 | 100,00% | 1,86 | 100,00% |
| | | Unknown | | | | | | | | | | | | |
| | CHEMICAL | Good | | | | | | | | | | | | |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | 1 | 100,00% | 1,86 | 100,00% |

| STATUS/POTENTIAL | | | RB Nestos (EL1207) | | | | RB Xanthis - Xiroremastosstreams (EL1208) | | | | RB Komotinis – Loutrou Evroustreams (EL1209) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **TRANSITIONAL WB** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | High | | | | | | | | | | | | |
| | | Good | | | | | | | | | | | | |
| | | Moderate | | | | | | | | | | | | |
| | | Poor | | | | | 1 | 100,00% | 72,5 | 100,00% | | | | |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | 3 | 100,00% | 42,4 | 100,00% | | | | | | | | |
| | CHEMICAL | Good | 1 | 33,33% | 33,5 | 79,01% | 1 | 100,00% | 72,5 | 100,00% | | | | |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | 2 | 66,67% | 8,9 | 20,99% | | | | | | | | |

*(Continuation of the Table)*

| STATUS/POTENTIAL | | | RB Evros (EL1210) | | | | RB Thasos – Samothraki (EL1242) | | | | Thrace (EL12) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **TRANSITIONAL WB** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | High | | | | | | | | | | | | |
| | | Good | | | | | | | | | | | | |
| | | Moderate | | | | | | | | | | | | |
| | | Poor | | | | | | | | | 1 | 20,00% | 72,5 | 25,91% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | 1 | 100,00% | 164,9 | 100,00% | | | | | 4 | 80,00% | 207,3 | 74,09% |
| | CHEMICAL | Good | | | | | | | | | 2 | 40,00% | 106,0 | 37,90% |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | 1 | 100,00% | 164,9 | 100,00% | | | | | 3 | 60,00% | 173,8 | 62,10% |

| STATUS/POTENTIAL | | | RB Nestos (EL1207) | | | | RB Xanthis - Xiroremato sstreams (EL1208) | | | | RB Komotinis – Loutrou Evrou streams (EL1209) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **COASTAL WB** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | High | | | | | | | | | | | | |
| | | Good | 1 | 33,33% | 48,7 | 31,04% | | | | | | | | |
| | | Moderate | 2 | 66,67% | 108,2 | 68,96% | 1 | 50,00% | 47,9 | 43,23% | | | | |
| | | Poor | | | | | 1 | 50,00% | 62,9 | 56,77% | | | | |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |
| | CHEMICAL | Good | 3 | 100,00% | 156,9 | 100,00% | 2 | 100,00% | 110,8 | 100,00% | | | | |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |

*(Continuation of the Table)*

| STATUS/POTENTIAL | | | RB Evros (EL1210) | | | | RB Thasos – Samothraki (EL1242) | | | | Thrace (EL12) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length | Number | % of Number | Area (km²) | % of Length |
| **COASTAL WB** | | | | | | | | | | | | | | |
| TOTAL | ECOLOGICAL | High | | | | | 3 | 100,00% | 325,3 | 100,00% | 3 | 25,00% | 325,3 | 44,47% |
| | | Good | | | | | | | | | 1 | 8,33% | 48,7 | 6,67% |
| | | Moderate | 4 | 100,00% | 138,5 | 100,00% | | | | | 7 | 58,33% | 294,6 | 40,27% |
| | | Poor | | | | | | | | | 1 | 8,33% | 62,9 | 8,59% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |
| | CHEMICAL | Good | 4 | 100,00% | 138,5 | 100,00% | | | | | 9 | 75,00% | 406,2 | 55,53% |
| | | Failing to achieve Good | | | | | | | | | | | | |
| | | Unknown | | | | | 3 | 100,00% | 325,3 | 100,00% | 3 | 25,00% | 325,3 | 44,47% |

| STATUS/POTENTIAL | | | RB Nestos (EL1207) | | | | RB Xanthis - Xirorematosstreams (EL1208) | | | | RB Komotinis – Loutrou Evrou streams (EL1209) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Area | Number | % of Number | Area (km²) | % of Area | Number | % of Number | Area (km²) | % of Area |
| **GROUNDWATER BODIES** | | | | | | | | | | | | | | |
| TOTAL | CHEMICAL | Good | 2 | 66,67% | 3365,82 | 85,84% | | | | | 3 | 75,00% | 2750,52 | 89,23% |
| | | Bad | 1 | 33,33% | 555,11 | 14,16% | 1 | 100,00% | 900,90 | 100,00% | 1 | 25,00% | 331,93 | 10,77% |
| | | Unknown | | | | | | | | | | | | |
| | QUANTITATIVE | Good | 3 | 100,00% | 3920,93 | 100,00% | 1 | 100,00% | 900,90 | 100,00% | 4 | 100,00% | 3082,45 | 100,00% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |

*(Continuation of the Table)*

| STATUS/POTENTIAL | | | RB Evros (EL1210) | | | | RB Thasos – Samothraki (EL1242) | | | | Thrace (EL12) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Number | % of Number | Area (km²) | % of Area | Number | % of Number | Area (km²) | % of Area | Number | % of Number | Area (km²) | % of Area |
| **GROUNDWATER BODIES** | | | | | | | | | | | | | | |
| TOTAL | CHEMICAL | Good | 5 | 83,33% | 2812,05 | 92,59% | 4 | 100,00% | 694,17 | 100,00% | 14 | 77,78% | 9622,56 | 82,70% |
| | | Bad | 1 | 16,67% | 225,17 | 7,41% | | | | | 4 | 22,22% | 2013,11 | 17,30% |
| | | Unknown | | | | | | | | | | | | |
| | QUANTITATIVE | Good | 6 | 100,00% | 3037,22 | 100,00% | 4 | 100,00% | 694,17 | 100,00% | 18 | 100,00% | 11635,67 | 100,00% |
| | | Bad | | | | | | | | | | | | |
| | | Unknown | | | | | | | | | | | | |