MINISTRY OF ENVIRONMENT & ENERGY

GENERAL DIRECTORATE FOR WATER

2nd UPDATE OF RIVER BASIN MANAGEMENT PLANS

River Basin District of Eastern Peloponnese (EL03)

SUMMARY

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Joint Venture of the 2nd Update of the River Basin Management Plans for the River Basin Districts of Peloponnese:

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2nd Update of the River Basin Management Plan (RBMP) for the River Basin District of Eastern Peloponnese (EL03)

Management Plan Summary - English version

Final Version

Government Gazette of Approval of the 2nd RBMP Update of the WD of Eastern Peloponnese (EL03): Government Gazette A' 113 /23.07.2024

2ND UPDATE OF THE RIVER BASIN MANAGEMENT PLAN (RBMP) FOR THE RIVER BASIN DISTRICT OF EASTERN PELOPONNESE (EL03)

MANAGEMENT PLAN SUMMARY - ENGLISH VERSION

CONTENTS

1 INTRODUCTION - 2nd UPDATE OF THE RIVER BASIN MANAGEMENT PLANS

1.1 Introduction

The water management framework is determined at the European level by the Water Framework Directive 2000/60/EC (WFD), as it has been incorporated into the National Institutional Framework by Law 3199/09.12.2003 (Government Gazette A' 280) and the PD 51/08.03.2007 (Government Gazette A' 54). The Directive requires appropriate measures to be taken to promote the sustainable use of water, as well as to protect and/or improve the condition of surface water (rivers, lakes, transitional and coastal) and groundwater through the preparation of a River Basin Management Plan (RBMP), which is reviewed every six years. The RBMP is a strategic text, in which the objectives for the state of the waters at the Water District level are defined and the necessary measures and actions are proposed to achieve these objectives. With its approval, the RBMP is an institutional obligation and must be taken into account by all public bodies when making decisions.

In this context, the first RBMP of the RBD of Eastern Peloponnese (EL03) was approved by the National Water Commission in 2013 (Government Gazette B' 1004/24.04.2013), while its 1st Update in 2017 (Government Gazette B' 4674/29.12.2017).

The Management Plans drawn up with the 2nd Management Plans Update of the River Basins of the 14 River Basin Districts of the country, in accordance with the specifications of Directive 2000/60/EC, concern the 3rd Management Cycle (2022-2027).

The 2nd River Basin Management Plan Update of Eastern Peloponnese (EL03) was implemented by the General Directorate for Water (GDW), of the Ministry of Environment and Energy.

1.2 Preparation of the 2nd River Basin Management Plan Update

1.2.1 Requirements of Directive 2000/60/EC and objectives of the 2nd Update

The Directive 2000/60/EC places the protection of the aquatic environment and ecological objectives at the heart of an approach based on integrated water management at the RBD scale. For this purpose, appropriate implementation planning is required with the planning and coordination of individual actions so that the final outcome is the "good status" (or "good potential") of the water bodies.

The implementation of the Directive includes the following main components:

1. Current situation assessment and preliminary gap analysis
2. Organization of environmental goals
3. Preparation of Monitoring Programs.
4. Gap analysis
5. Preparation of the Program of Measures
6. Preparation of RB Management Plans of the Country
7. Implementation of the Program of Measures
8. Evaluation of Program of Measures
9. Public consultation, active stakeholder involvement.

For the Eastern Peloponnese RBD (EL03), in the framework of the 2nd Update of the approved River Basin Management Plans, the following actions are being carried out:

- Update of the identification and characterization of surface water (rivers, lakes, transitional and coastal) and groundwater bodies.
- Review and update of the typical reference conditions and assessment/classification of the status/potential of surface water bodies (ecological and chemical status), including heavily modified and artificial water bodies, and groundwater bodies (quantitative and qualitative status), based on the new data that are 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 constitute heavily modified water bodies (HMWB) and artificial water bodies (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 (RPA), based on new information that has emerged from the implementation of relevant EU Directives.
- Update of the information on the planned projects/activities of water resources utilization.
- Review of the environmental objectives for all surface water bodies (SWB) and groundwater bodies (GWB), including heavily modified and artificial ones.
- Assessment of progress in relation to the achievement of the environmental objectives of the WFD, as defined in the 1st Update of the RBMP.
- Revision of the Programs of Basic and Supplementary Measures for the protection and rehabilitation of water resources of each RBD, as included in the 1st Update of the RBMP, in accordance with Article 11 and Annex VI of the WFD (Article 12 and Annex VIII of the Decree 51/08.03.2007).
- Update of the economic analysis of water uses.
- 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 Management Plan.
- Informing the public and promoting its active participation, as well as publication and public consultation of the River Basin Management Plans Draft of the Country, six months before their completion, in accordance with article 14 of Directive 2000/60/EC and article 15 of the MD 51/08.03.2007.
- Covering the country's obligations in relation to the submission of the required data to the EU regarding the 2nd Update of the RBMP, through the electronic system WISE (Water Information System for Europe), in accordance with the specifications of the European Environment Agency.
- Update of the data as well as the results of the implementation of the Project: "Development of water resources management systems and tools in 13 River Basin Districts of the country", which was completed by the Ministry of Development in December 2008, in what concerns the River Basin Districts of the Peloponnese.
- Training of the personnel of the Contracting Authority as well as of the relevant Water Directorates of the Decentralized Administration(s) in the contents of the deliverables.

1.2.2 Strategic Environmental Impact Assessment

For the 2nd Update of the RBMP for the River Basin Districts of the Country, the process of the Strategic Environmental Impact Assessment (SEIA) is being followed in accordance with the JMD with Num YPECHODE/EYPE/oik.107017/28.08.2006 for the "assessment of the environmental impacts of certain plans and programs, in compliance with the provisions of Directive 2001/42/EC" (Government Gazette B' 1225), as amended by the Num D. oik. 40238/2017 (Government Gazette B’ 3759), M.D. YPEN/DIPA/38181/2695/2022/18.04.2022 (Government Gazette B` 1923) and M.D. YPEN/DIPA/94750/6235/04.10.2023 (Government Gazette B 5774) and into force.

The approval of the Plan and the SEIA is done by a single administrative act (Act of the Council of Ministers in accordance with Law 3199/2003 as applicable) proposed by the Minister of the Environment following a proposal from the Planning Authority (GDY/YPEN), based on the "SEIA approval proposal" from the Environmental Agency responsible for the environmental approval of the Plan (DIPA/YPEN) to the Planning Authority [article 7 of the M.D. YPECHODE/EYPE/oik.107017/05.09.2006 (Government Gazette B' 1225) as amended by the Num D. oik. 40238/2017 (Government Gazette B' 3759), M.D. YPEN/DIPA/38181/2695/18.04.2022 (Government Gazette B' 1923) and M.D. YPEN /DIPA/94750/6235/04.10.2023 (Government Gazette B' 5774) and into force].

1.3 Consultation process

1.3.1 Consultation results and their integration into the RBMP

The consultation process on the 2nd Update of the River Basin Management Plan for the RBD of Eastern Peloponnese (EL03) started in March 2019. The Draft was posted on 31st May 2023 and the mandatory consultation period ended on 30th November 2023, including the following:

Phase A: In March 2019, the subject of the planned training works of the 2nd RBMP Update as well as the detailed time schedule of these was posted on the website of the Ministry of Environment and Energy to inform the public.

Phase B: In September 2019, information on the important issues of water resources management in each River Basin was posted on the website of the Ministry of Environment and Energy, which briefly included the main characteristics of the water resources, the main pressures, issues related to the HMWB-AWB and the protected areas as well as the status of surface water (ecological and chemical) and groundwater (qualitative and quantitative), based on the data obtained during the 1st Update of the RBMP.

Phase C: Referred to the consultation of the Draft River Basin Management Plan, the results of which were utilized for the finalization of the 2nd Management Plan Update:

- On May 31st, 2023, the Draft River Basin Management Plan of the RBD of the Western Peloponnese was posted on the website of the Ministry of Environment and Energy. The Detailed Documentation was also posted on the same website.
- On November 10th, 2023, the hybrid consultation day of the Draft River Basin Management Plan of the Eastern Peloponnese was held in Nafplio. Participation in the seminar was possible both in person and online.
- For the consultation of the SEIA, a separate procedure was followed based on the JMD with Num YPECHODE/EYPE/oik.107017/28.08.2006 (Government Gazette B' 1225) as amended and in force.

In summary, the changes, completions and additions included in the Final River Basin Management Plan and in the Detailed Documentation as a result of the consultation concern the following:

- Update of the data presented in the Management Plan based on the data made available and/or points raised during the consultation. They mainly concern issues related to:
    - the inclusion of new surface water bodies (SWB) in the Register of Protected Areas
    - citizens' access to water for various uses, withdrawals from groundwater bodies (GWB) and surface water withdrawals, as well as issues of groundwater bodies (GWB) salinization
    - the actions that have been implemented in the context of the 1st Update of the River Basin Management Plan
- Finalization of the Program of Measures which includes:
    - the abolition of certain measures and the introduction of new ones

- the rephrasing of specific measures regarding the specialization of the restrictions and actions defined therein, but also regarding the clarification of the utilized terminology
- the updating or correction of the implementing entities
- the finalization of the surface water and groundwater bodies (SWB, GWB) for which supplementary measures are foreseen
- the finalization of the environmental cost and the resource cost of the proposed measures.

It must be noted that the final Program of Measures of the RBD of Eastern Peloponnese (EL03) was formulated taking into account comments and observations received in the context of the consultation of both the specific RBD and the other RBDs of the country.

2 DIFFERENCES RELATING TO THE APPROVED 1ST UPDATE OF RIVER BASIN MANAGEMENT PLAN

For the 2nd Update of the River Basin Management Plans of all Water Districts of the country the special methodological approaches, common for all Water Districts, were updated regarding some critical implementation issues of the 2000/60/EC Directive.

The update of the national methodologies took place in the context of the 2nd Update of the RBMPs and concerned the following methodologies:

- Definitive formulation of a national methodology for determining the ecological flow of river water bodies.
- Update of the methodology for the analysis of anthropogenic pressures and their impacts on surface and groundwater bodies.
- Update of the analytical methodology formulated by the Competent Authority (CA) "Identification of the the "exemptions" of paragraphs 4 to 6 of Article 4 of Directive 2000/60/EC (4.4 - 4.6)", including the re-examination of the application specifications for the exemptions of article 4.5
- Update of the analytical methodology formulated by the CA "Identification of the "exemptions" of paragraph 4.7, of article 4 of Directive 2000/60/EC"
- Update of the Classification Methodology of the Ecological, Chemical and Overall Status of Surface Water Bodies

All the above analytical methodologies are available on the relevant website http://wfdver.ypeka.gr/.

The following table summarizes the differences identified in each individual subject of the 2nd Update of the RBMP in comparison to the 1st Update, based on the abovementioned and the results obtained.

Table 2-1. Main differences in relation to the 1st Update of the Management Plan

Content of 1st Update of RBMP/ Activity	Differentiation in comparison with the 1st RBMP	Brief presentation of the results
COMPETENT AUTHORITIES	The competent authorities in comparison with the 1st Update of the RBMP are amended according to the Law 5037/28.03.2023.	The current situation is briefly presented in Paragraph 3.3 hereof.
DEFINITION OF SURFACE WATER BODIES - TYPOLOGY	The typology for all categories of SWB is not differentiated in comparison with the 1st Update. In the 2nd Update, reservoirs are referred to as "Lake HMWB -reservoirs", and their standardization and assessment are done with data and tools intended for lakes, as lakes are the class of natural surface water bodies to which they most closely resemble. In the Eastern Peloponnese WD, there are no differences in the number of Water Bodies in relation to the 1st Update.	The results are presented briefly in Section 4.1 and are given in detail in the Analytical Documentation – "*Characterization, typology, typo-characteristic reference conditions and assessment/classification of the status of all categories of surface water bodies*".
HEAVILY MODIFIED WATER BODIES (HMWB) AND ARTIFICIAL WATER BODIES (AWB)	The HMWB established in the 1st Update were re-examined based on the established methodology and the new data of the National Monitoring Network. In the RBD of Western Peloponnese there are no differences in the number of definitively defined HMWB.	The results are summarized in par. 4.1 and are given in detail in the Analytical Documentation "*Definitive Determination of AWB-HMWB".*
PROTECTED AREAS	The Register of Protected Areas (RPA) that was created in the 2nd Update of the RBMP was examined based on: a) the new Natura 2000 areas that have been approved by JMD 50743/2017, b) the results of monitoring the Bathing Waters and the revision of the bathing water quality monitoring network (Ministry of Environment, Energy and Climate Change circular no. 190856/01.08.2013) c) other instructions for the protection of waters with stricter objectives such as the Guidelines for drinking water, species of economic importance, vulnerable areas to nitrate pollution, etc. and d) newer data resulting from the approval of the 2nd Update of the RBMP and the relevant EU Guidelines Texts.	No new water bodies with water abstracted for human consumption have been defined. Regarding WB with economically important species, 1 river WB was removed, as aquaculture operations no longer exist, and 1 coastal WB was added. As far as bathing waters are concerned, 29 new coasts were added, of which 26 in the RB EL0331 and 3 in the RB EL0333. Also, 1 Beach was removed (GREY BEACH - ELBW039240086). There are no changes regarding sensitive receptors and vulnerable areas.

Content of 1st Update of RBMP/ Activity	Differentiation in comparison with the 1st RBMP	Brief presentation of the results
		Three (3) Natura areas (GR2540001, GR2540005, GR2540009) and 7 island wetlands (of the islands of Poros, Elafonisos and Kythira) have been added to the RPA. The results are presented in summary in Section 4.4 and are given in detail in the Analytical Documentation "*Register of Protected Areas*".
PRESSURES AND IMPACTS	The assessment of pressures and impacts is carried out in the present Update based on the developed revised common methodology and the newest data resulting from the approval of the 1st Update of the RBMP. An important modification is the evaluation of the pressures on the hydromorphological characteristics of the Water Bodies, for which a special methodological approach was developed and is done in more detail.	In the RBD of Eastern Peloponnese the methodological approaches that were followed in the 1st Update are largely similar to those of the 2nd Update. The differences that arise mainly occur from the newest data that are available and concern a more complete picture of the cultivated areas, the installation of new activities, and a better recording of the activities in the RBD. Regarding the hydromorphological pressures on the surface water bodies, a more complete evaluation took place by extending the assessment to all water bodies, regardless of the status of natural water bodies or HMWB. The results are summarized in Chapter 5 and are given in detail in the Analytical Documentation "*Analysis of anthropogenic pressures and their impacts on surface and groundwater bodies*".
CLASSIFICATION OF THE STATUS OF SURFACE WATER BODIES	During the 2nd Update, the classification of the status of surface waters takes place based on the methodological approaches developed by the National Scientific Committee of the Ministry of Environment and Energy, which aim to define the methods of classification of the ecological status of all categories of surface waters and were approved by the EU, as well as on the latest data of the National Water Monitoring Network. For the WB that are not monitored, the classification of their status is done through grouping, based on their typology and the pressures they receive.	The update includes a fuller and more credible mapping of the status of the surface WB. The results are presented briefly in Section 4.1 and given in detail in the Analytical Documentation " *Characterization, typology, typo-characteristic reference conditions and assessment/classification of the status of all categories of surface water bodies* ".

Content of 1st Update of RBMP/ Activity	Differentiation in comparison with the 1st RBMP	Brief presentation of the results
CLASSIFICATION OF THE STATUS OF GROUNDWATER BODIES	The methodology for classifying the status of the GWB does not differ in relation to the 1st Update of the RBMP, with partial improvements, additions in relation to the threshold values due to natural background and the determination of trends. The classification of the GWB is based on the latest data of the National Monitoring Network.	The Update includes a mapping of the status of the GWB based on the latest monitoring data. During the 2nd Update of the RBMP, the method of determining new increased threshold values due to increased physical background values in some GWB was modified because of the availability of more monitoring data. Also, based on the new data of the National Monitoring Network, an approach is implemented to evaluate trends with the aim of predicting, in accordance with Directive 2006/118/EC, the significant and sustained upward pollution trends in pollutant concentrations. Based on the existing, non-continuous, data in our country, the trend identification is considered, in GWB that are at risk, in all the implementation periods in order to ensure a longer series of data, even with intermediate elements. The results are summarized in Section 4.2 and are given in detail in the Analytical Documentation *"Characterization and assessment/classification of the status of groundwater bodies".*
NATIONAL WATER MONITORING NETWORK	The 2nd Update of the RBMP in relation to the 1st Update includes the results of the National Monitoring Network (NMN) of the status of the country's Waters with samples for the period 2018 – 2021, and for all Biological Quality Elements (BQEs), Physicochemical and Chemical Quality Elements as well as the hydromorphological quality elements of the surface WB. It also includes measurements of both the qualitative and the quantitative status of the GWB for the period 2018-2020.	In relation to the NMN of the period 2015 – 2017, the total number of stations by type of monitoring has been differentiated, as well as the BQEs monitored and the sampling frequency. The monitoring program data used are presented in detail in the Analytical Documentation Texts " *Characterization, typology, typo-characteristic reference conditions and assessment/classification of the status of all categories of surface water bodies* " for the SWB and "*Characterization and assessment/classification of the status of groundwater bodies*" for the GWB.

Content of 1st Update of RBMP/ Activity	Differentiation in comparison with the 1st RBMP	Brief presentation of the results
ECONOMIC ANALYSIS OF WATER USE	For the economic analysis of water uses, the general costing rules and the guidelines of the GDW were followed. The elements of the information system created to assist the GDW in supervising and monitoring the degree of implementation of water management policies after the end of the 1st Update were utilized (where possible and in cases where they were considered reliable). In addition, in cases where these data were insufficient, primary data were collected from the authorities through interviews, correspondence and meetings.	The results are summarized in Chapter 6 and given in detail in the Analytical Documentation *"Economic analysis of water uses".*
ENVIRONMENTAL OBJECTIVES – EXEMPTIONS	During the 2nd Update, the determination of environmental objectives and exemptions is based on the developed revised methodological approaches.	The results are summarized in Chapter 7 and are given in detail in the Analytical Documentation *"Definition of the environmental objectives, including "exemptions" from the achievement of the objectives*".
PROGRAM OF MEASURES	The Program of Measures as defined in this 2nd Update of the RBMP is different in relation to the 1st Update. In summary, there are the following differences in comparison to the 1st RBMP Update: - In the Measures of the 1st RBMP Update which continue in the current implementation cycle, rephrasing was made where deemed necessary, while the progress to date is briefly reported. - A number of new measures are introduced to deal with pressures on the WB and to achieve the objectives set, which are highlighted accordingly. - - Finally, some measures that were completed in this 2nd Update are removed, similarly to others that are not continued. The completed measures are the following: 1. M03B1101 Compilation of pollution sources register (emissions, discharges and leaks) 2. M03B0904 Special measures to achieve Good Ecological Potential in HMWB, 3. M03B0903 Development of national methodology and specifications for the determination of ecological flows of river water bodies.	The results are summarized in Chapter 8 and given in detail in the Analytical Documentation "*Programs of Basic and Supplementary Measures, including their cost-effectiveness analysis".*

3 DESCRIPTION OF RIVER BASIN DISTRICT– COMPETENT AUTHORITIES

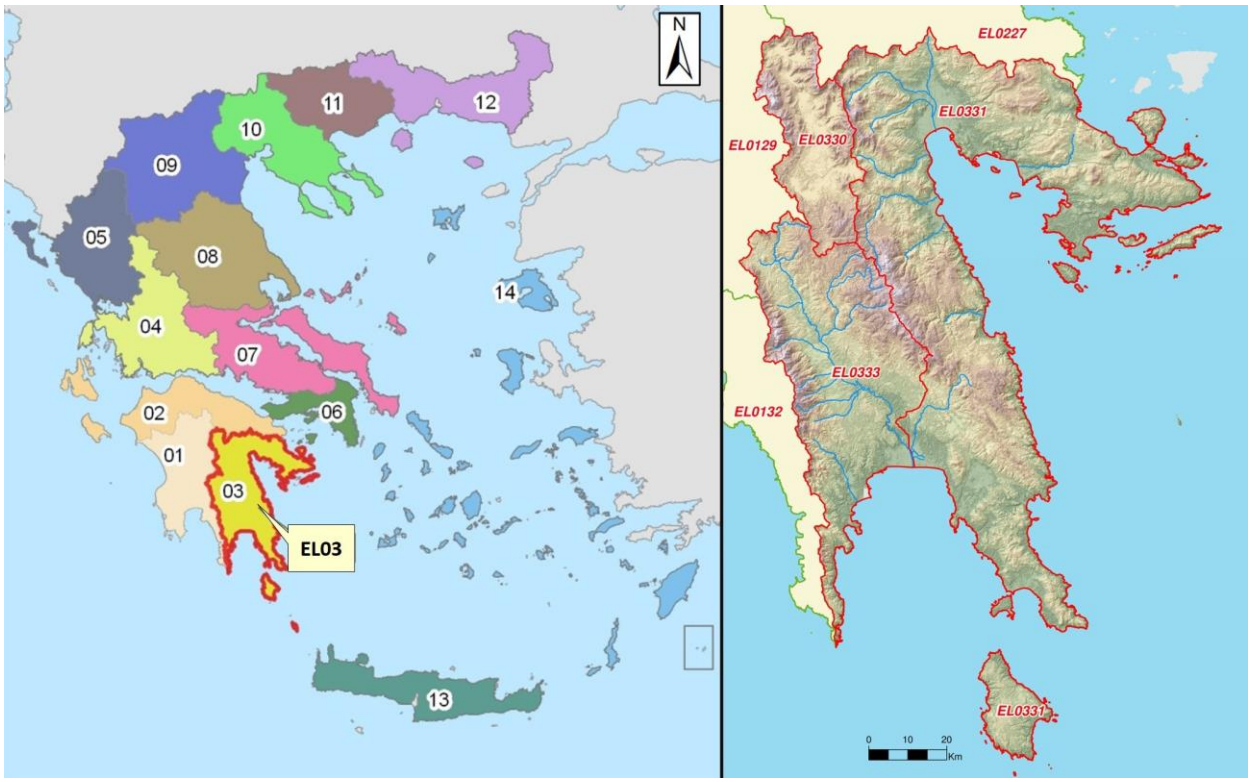
3.1 River basins

With the decision 706/16.07.2010 (Government Gazette B' 1383/02.09.2010 and B' 1572/28.09.2010), of the National Water Commission "on defining the River Basins of the country and defining the competent Regions for the management and their protection" and the approval decisions of the National Water Commission of the 1st RBMP, the forty-six (46) River Basins were defined, which fall under fourteen (14) River Basin Districts (corresponding to the term Water District of article 3 of the PD 51/08.03.2007).

The River Basin District (RBD) of Eastern Peloponnese (EL03) includes the Tripoli Plateau (EL0330), Argolic Gulf Streams (EL0331) and Evrota River (EL0333) River Basins, as presented in the table and map below.

Table 3-1. River Basins belonging to the River Basin District of Eastern Peloponnese (EL03)

River Basin	Code	Area (km^2)
Tripoli Plateau	EL0330	907
Argolic Gulf Streams	EL0331	5.296
Evrota River	EL0333	2.239
Total Area EL03		**8.442**



Map 3-1. River Basin District of Eastern Peloponnese (EL03)

3.2 Natural Characteristics

The River Basin District of Eastern Peloponnese extends geographically to the eastern and southeastern Peloponnese. Regarding the physical-geomorphological boundaries of the RBD, these are Taygetos and Mainalo to the west, the orographic axis of Olygirtos-Lyrkeion-Oneion to the north, Parnonas, the Argolic Gulf and the Gulf of Epidaurus to the east and, finally, the Laconian Gulf to the south.

The Tripoli Plateau (RB EL0330) is a closed typical karst basin (polgi), which is characterized by a moderate development of the hydrographic network. The altitudes on the Tripoli Plateau range from 600m to 700m.

The Argolic Gulf Streams (RB EL0331) is mostly a mountainous zone, with steep high mountains, the altitudes of which range from 500m to 2,000m, which delimit the plains of the area. In the Evrota River RB (EL0333) there are two main plains, the Sparta Valley and the western part of the Skala Plain. To the east and west the area is delimited by the Parnon and Taygetos mountain ranges.

According to the update of the natural water balances of the River Basin Districts of the Peloponnese that were prepared in the context of this 2nd Update of the RBMP, with reference period from 1980-2021, the average annual precipitation for the entire RBD EL03 amounts to ~713mm/year, while the average annual evapotranspiration to ~531mm/year. In RBD EL03 most precipitation occurs in the period between October and March, with the wettest month being December and the driest month July.

The main rivers of the Water District are the Evrotas and the Inachos. Apart from them, there are other smaller rivers or streams, which in the context of the present study are considered important enough to constitute river water bodies. The main lake is the artificial lake Taka, on the Tegea plateau. The coastal waters of the RBD of Eastern Peloponnese (EL03) extend along the eastern and southeastern coastline of the Peloponnese, from the area of Hydra to Cape Tainaro, while also including the waters around the islands of Hydra, Dokos, Spetses, Elafonisos, Kythira, Antikythira and other smaller islets. Finally, the study area includes important transitional waters, some of which are of supraregional importance and protected by international conventions. The main ones are the Vivari Lagoon, the Evrota Delta and the Moustos wetland.

3.3 Competent Authorities

3.3.1 Identity of the Competent Authority

The competent authorities for the implementation of Directive 2000/60/EC were designated according to Law 3199/09.12.2003 (Government Gazette A' 280) for the Protection and Management of Waters, as amended and in force. More specifically, regarding the competent authorities, the following applies:

- According to article 26 of Law 5037/28.03.2023 (Government Gazette A' 78), from March 28th, 2023, the National Water Commission means the Minister of Environment and Energy, subject to more specific provisions. The Ministry of Environment and Energy (MEE) draws up the policy for the protection and management of water and controls its implementation.
- According to article 4 of Law 3199/09.12.2003 the General Directorate for Water of the Ministry of Environment and Energy, among other things, coordinates the agencies and state authorities and participates in the relevant EU bodies for any issue related to the protection and management of water, proposes the general rules for costing and invoicing water and monitors their implementation, proposes legislative and administrative measures for the protection and management of water, monitors the quality and quantity of water at the national level in cooperation with the Water Directorates of the Decentralized Administrations and attends the development and operation of the national water quality and quantity monitoring network.

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

At the regional level, the competent authorities are:

- The Water Council of Decentralized Administration (WCDA), which is formed in every Water Department that extends to the administrative boundaries of one or more Decentralized Administrations and is responsible for social dialogue and consultation on matters of water protection and management.
- The Water Directorates of the Decentralized Administration, through which the responsibilities of the Decentralized Administration for the protection and management of water are exercised.

After the reorganization of the Local Government services, as a result of the administrative reforms of the "Kallikratis" project, the Water Directorates of the former State Regions are now under the respective Decentralized Administrations.

In addition, in matters of implementation of the Directive 2000/60/EC, the Municipalities of Grade A and Grade B are involved at the Regional Level.

The following table presents an updated excerpt of Annex II of the decision of the National Water Commission in accordance with Law 3852/07.06.2010 (Government Gazette A' 87) for the River Basin District of Eastern Peloponnese (EL03).

Table 3-2. River Basins and Competent Decentralized Administration

River Basin (Code)	Regions that geographically extend within the boundaries of the RB	Competent Decentralized Administration[1] (according to Government Gazette B' 1383/02.09.2010, B' 1572/28.09.2010 and A' 87/07.06.2010)
Tripoli Plateau (EL0330)	Peloponnese (100%)	Decentralized Administration of Peloponnese, Western Greece and the Ionian Sea
Argolic Gulf Streams (EL0331)	Peloponnese (87%) Attica (13%)	Decentralized Administration of Peloponnese, Western Greece and the Ionian Sea Decentralized Administration of Attica*
Evrota River (EL0333)	Peloponnese (100%)	Decentralized Administration of Peloponnese, Western Greece and the Ionian Sea

***Note**: * The competence of the Decentralized Administration of Attica concerns the islands of Poros, Hydra, Spetses, Spetsopoula, Dokos, Kythira and Antikythira.*

The following Table provides an overview of the role played by each competent authority by thematic subject, in the context of water management and protection.

[1] *The Government Gazette refers to the former "state" Regions, the responsibilities of which are exercised, in accordance with article 280 of Law 3258/07.06.2010 (Government Gazette A' 87), by the Decentralized Administrations, with the exception of the responsibilities conferred by article 186 of the same law in the elected Regions*

Table 3-3. Main responsibilities per subject of water management and protection

Competent Authority	Main Roles												
	Analysis of pressures and impacts	Economic analysis	Surface water monitoring	Groundwater monitoring	Surface Water Status Assessment	Groundwater Status Assessment	RBMP preparation	Program of Measures preparation	Measures Implementation	Audience participation	Enforcement of regulations	Application coordination	Data Submission to the European Commission
General Directorate for Water of the Hellenic Ministry of Environment & Energy	M	M	M	M	M	M	M	M	M	M	M	M	M
Water Directorate of the Decentralized Administration	*O*	*O*	*O*	*O*	*O*	*O*	*O*	*O*	M	*O*	M	M	-
Hellenic Ministry of Rural Development and Food	-	-	-	-	-	-	-	-	M	-	*O*	-	-
Hellenic Ministry of Infrastructure and Transport	-	-	-	-	-	-	-	-	M	-	*O*	-	-
Hellenic Ministry of Development	-	-	-	-	-	-	-	-	*O*	-	M	-	-
Hellenic Ministry of Economy and Finance	-	-	-	-	-	-	-	-	*O*	-	M	-	-
Hellenic Ministry of Health	-	-	-	-	-	-	-	-	M	-	*O*	-	-
Hellenic Ministry of Maritime Affairs and Insular Policy	-	-	-	-	-	-	-	-	-	-	M	-	-
Hellenic Ministry of Interior	-	-	-	-	-	-	-	-	*O*	-	M	-	-
Municipalities of the RBD	-	-	-	-	-	-	-	-	M	-	*O*	-	-
Regions of the RBD	-	-	-	-	-	-	-	-	M	-	*O*	-	-

M	*Main Role*
O	*Other Role*
-	*No Role*

4 DESIGNATION AND CLASSIFICATION OF WATER BODIES

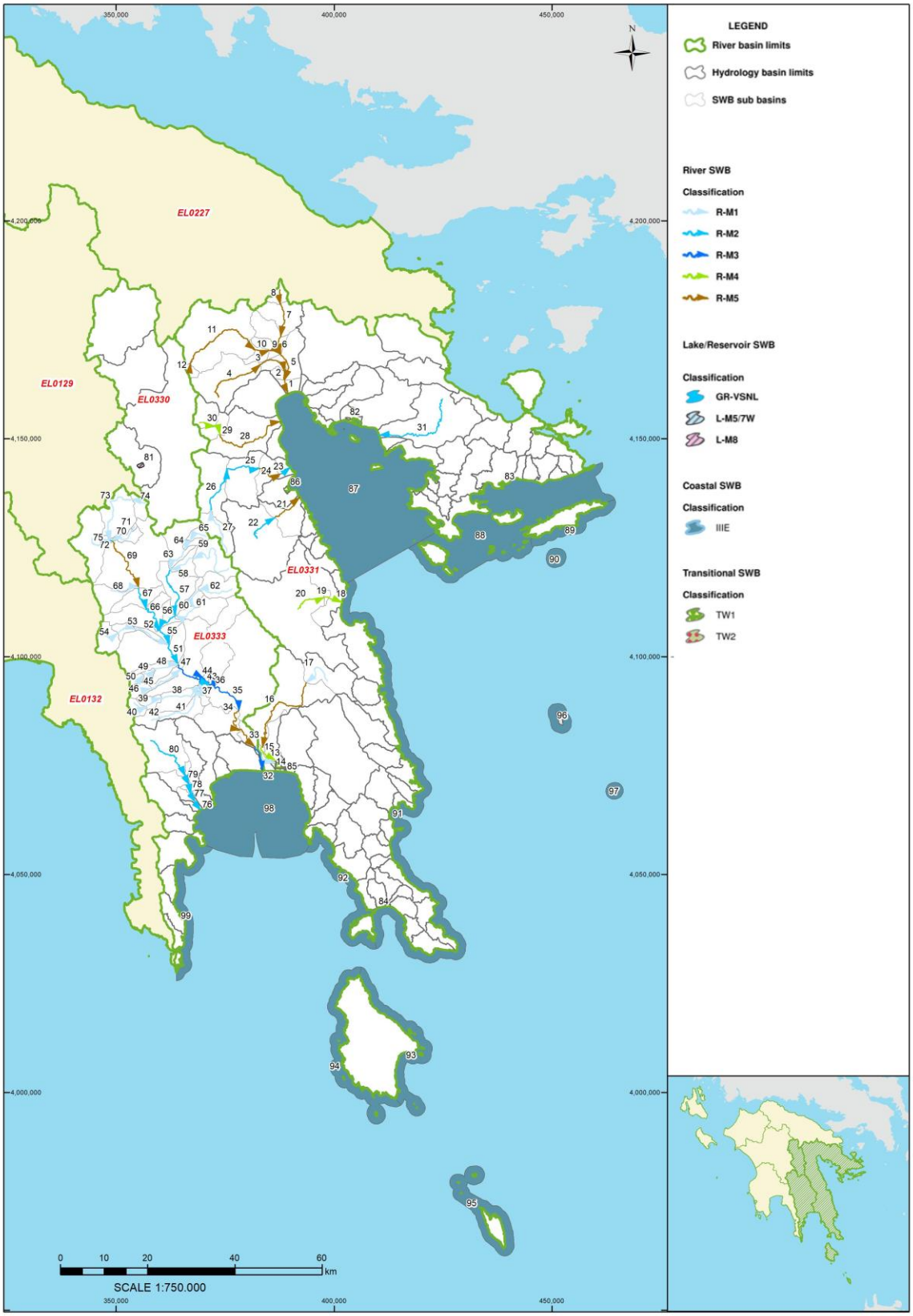
4.1 Surface Water Bodies

In the framework of the 2nd Update, in the RBD of Eastern Peloponnese (EL03) a total of ninety-nine (99) surface water bodies (SWB) were identified, the same as in the 1st RBMP Update. The distribution of SWB in the RBD and per RB is presented in the following table.

Table 4-1. Number of surface water bodies in the Eastern Peloponnese WD (EL03) per RB

Type of WB	RB EL0330	RB EL0331	RB EL0333	Total RBD
River WB	0	31	49	80
Lake WB	1	0	0	1
Lake HMWB - reservoirs	0	0	0	0
Transitional WB	0	5	0	5
Coastal WB	0	11	2	13
Total WB	**1**	**47**	**51**	**99**

The SWB of the River Basin District are shown on the following map.



Map 4-1. Surface water bodies of the Eastern Peloponnese RBD (EL03), based on the new typology in the context of the 2nd Update

Below, there is a legend with the numbers, codes and name of the EL03 SWB shown on the map above.

Map Legend 4-1:

Map num	SWB Code	SWB Name	Map num	SWB Code	SWB Name
1	EL0331R000201019H	INAHOS R._1	51	EL0333R000207025N	EVROTAS R._9
2	EL0331R000202020H	XERIAS R._1	52	EL0333R000208026N	MAGOULITSA STREAM_1
3	EL0331R000202021N	XERIAS R._2	53	EL0333R000208027N	MAGOULITSA STREAM_2
4	EL0331R000202022N	XERIAS R._3	54	EL0333R000208028N	MAGOULITSA STREAM_3
5	EL0331R000203023H	INAHOS R._2	55	EL0333R000209029N	EVROTAS R._10
6	EL0331R000204024H	DERVENI STREAM_1	56	EL0333R000210030N	INOUS R._1
7	EL0331R000204025N	DERVENI STREAM_2	57	EL0333R000210034N	INOUS R._2
8	EL0331R000204026N	DERVENI STREAM_3	58	EL0333R000210038N	INOUS R._3
9	EL0331R000205027H	INAHOS R._3	59	EL0333R000210039N	INOUS R._4
10	EL0331R000205028N	INAHOS R._4	60	EL0333R000210131N	SOFRONI STREAM_1
11	EL0331R000205029N	INAHOS R._5	61	EL0333R000210132N	SOFRONI STREAM_2
12	EL0331R000205030N	INAHOS R._6	62	EL0333R000210133N	SOFRONI STREAM_3
13	EL0331R0000700001A	MARIOREMA STREAM_1	63	EL0333R000210235N	ARACHOVITIKO STREAM_1
14	EL0331R000700002H	MARIOREMA STREAM_2	64	EL0333R000210236N	ARACHOVITIKO STREAM_2
15	EL0331R000700003H	MARIOREMA STREAM_3	65	EL0333R000210237N	ARACHOVITIKO STREAM_3
16	EL0331R000700004N	MARIOREMA STREAM_4	66	EL0333R000211040N	EVROTAS R._11
17	EL0331R000700005N	MARIOREMA STREAM_5	67	EL0333R000211041N	EVROTAS R._12
18	EL0331R001100006N	DAFNON STREAM_1	68	EL0333R000212042N	KARDARI STREAM
19	EL0331R001100007H	DAFNON STREAM_2	69	EL0333R000213043N	EVROTAS R._13
20	EL0331R001100008N	DAFNON STREAM_3	70	EL0333R000214044N	KOLINIATIKO STREAM_1
21	EL0331R001500009N	VRASIATIS STREAM_1	71	EL0333R000214045N	KOLINIATIKO STREAM_2
22	EL0331R001500010N	VRASIATIS STREAM_2	72	EL0333R000215046N	EVROTAS R._14
23	EL0331R001900011N	TANOS R._1	73	EL0333R000216047N	LAGADA STREAM_1
24	EL0331R001900012N	TANOS R._2	74	EL0333R000216048N	LAGADA STREAM_2
25	EL0331R001900013N	TANOS R._3	75	EL0333R000217049N	EVROTAS R._15
26	EL0331R001900014N	TANOS R._4	76	EL0333R000300001N	PLATIS R._1
27	EL0331R001900015N	TANOS R._5	77	EL0333R000300002N	PLATIS R._2
28	EL0331R002300016N	XORVRIO STREAM_1	78	EL0333R000300003N	PLATIS R._3
29	EL0331R002300017N	XORVRIO STREAM_2	79	EL0333R000300004N	PLATIS R._4
30	EL0331R002300018N	XORVRIO STREAM_3	80	EL0333R000300005N	PLATIS R._5
31	EL0331R003300031N	RADOS R.	81	EL0330L000000001H	TAKA ARTIF.LAKE
32	EL0333R000201006H	EVROTAS R._1	82	EL0331T0001N	DREPANOS-ASINI LAGOON
33	EL0333R000201007N	EVROTAS R._2	83	EL0331T0002N	THERMISIA LAGOON
34	EL0333R000201008N	EVROTAS R._3	84	EL0331T0003N	STROGGILI LIMNI LAGOON
35	EL0333R000201009N	EVROTAS R._4	85	EL0331T0004N	VIVARI LAGOON (EVROTAS DELTA)
36	EL0333R000201010N	EVROTAS R._5	86	EL0331T0005N	MOUSTOU WETLAND
37	EL0333R000202011N	RASINA STREAM_1	87	EL0331C0001N	ARGOLIKOS GULF
38	EL0333R000202014N	RASINA STREAM_2	88	EL0331C0002N	HYDRA-DOKOS-SPETSES CHANNEL
39	EL0333R000202015N	RASINA STREAM_3	89	EL0331C0003N	HYDRA COASTS
40	EL0333R000202016N	RASINA STREAM_4	90	EL0331C0004N	ISLET_1
41	EL0333R000202112N	GERAKARI STREAM_1	91	EL0331C0005N	EAST COAST OF PELOPONNESE

Map num	SWB Code	SWB Name	Map num	SWB Code	SWB Name
42	EL0333R000202113N	GERAKARI STREAM_2	92	EL0331C0006N	ELAFONISOS COASTS
43	EL0333R000203017N	EVROTAS R._6	93	EL0331C0009N	EAST COAST OF KITHIRA
44	EL0333R000203018N	EVROTAS R._7	94	EL0331C0010N	WEST COAST OF KITHIRA
45	EL0333R000204019N	KAKARI STREAM_1	95	EL0331C0011N	COAST OF ANTIKITHIRA
46	EL0333R000204020N	KAKARI STREAM_2	96	EL0331C0012N	ISLET_2
47	EL0333R000205021N	EVROTAS R._8	97	EL0331C0013N	ISLET_3
48	EL0333R000206022N	KALIVES STREAM_1	98	EL0333C0007N	COAST OF LAKONIKOS GULF
49	EL0333R000206023N	KALIVES STREAM_2	99	EL0333C0008N	TENARO CAPE – LAKONIKOS GULF
50	EL0333R000206024N	KALIVES STREAM_3			

4.1.1 River Water Bodies

The typology and classification of the status of the river water bodies of the Eastern Peloponnese River Basin District (EL03) are presented in the following tables. The differences in ecological and chemical status between the 1st RBMP and its 1st and 2nd Updates are also recorded.

Table 4-2. River water bodies and new typology, according to the European Decision 2018/229/EU, per RB of the RBD Eastern Peloponnese (EL03)

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
1	EL0331	VRASIATIS STREAM_1	EL0331R001500009N	NAT	R-M5	8,3	50,5	200,6	56,6
2	EL0331	VRASIATIS STREAM_2	EL0331R001500010N	NAT	R-M2	9,1	200,6	0,0	49,4
3	EL0331	DAFNON STREAM_1	EL0331R001100006N	NAT	R-M4	3,4	53,6	332,6	96,9
4	EL0331	DAFNON STREAM_2	EL0331R001100007H	HMWB	R-M4	1,2	3,4	329,2	87,2
5	EL0331	DAFNON STREAM_3	EL0331R001100008N	NAT	R-M4	8,2	329,2	0,0	86,8
6	EL0331	DERVENI STREAM_1	EL0331R000204024H	HMWB	R-M5	4,4	36,9	66,9	8,2
7	EL0331	DERVENI STREAM_2	EL0331R000204025N	NAT	R-M5	8,2	53,1	13,8	5,5
8	EL0331	DERVENI STREAM_3	EL0331R000204026N	NAT	R-M5	4,0	13,8	0,0	1,1
9	EL0331	INAHOS R._1	EL0331R000201019H	HMWB	R-M5	3,2	13,4	524,1	68,7
10	EL0331	INAHOS R._2	EL0331R000203023H	HMWB	R-M5	6,9	46,1	348,2	48,5
11	EL0331	INAHOS R._3	EL0331R000205027H	HMWB	R-M5	2,9	15,4	229,0	37,5
12	EL0331	INAHOS R._4	EL0331R000205028N	NAT	R-M5	3,5	14,3	214,7	36,6
13	EL0331	INAHOS R._5	EL0331R000205029N	NAT	R-M5	22,5	208,0	6,7	35,4
14	EL0331	INAHOS R._6	EL0331R000205030N	NAT	R-M5	2,5	6,7	0,0	2,4
15	EL0331	MARIOREMA STREAM_1	EL0331R000700001A	AWB	R-M4	3,9	28,3	228,3	45,9
16	EL0331	MARIOREMA STREAM_2	EL0331R000700002H	HMWB	R-M1	5,0	2,8	0,0	0,3
17	EL0331	MARIOREMA STREAM_3	EL0331R000700003H	HMWB	R-M4	1,9	2,5	225,8	42,7
18	EL0331	MARIOREMA STREAM_4	EL0331R000700004N	NAT	R-M5	25,8	155,7	70,1	42,4
19	EL0331	MARIOREMA STREAM_5	EL0331R000700005N	NAT	R-M1	9,6	70,1	0,0	17,3
20	EL0331	XERIAS R._1	EL0331R000202020H	HMWB	R-M5	2,2	7,3	122,5	19,8
21	EL0331	XERIAS R._2	EL0331R000202021N	NAT	R-M5	7,6	11,0	111,4	19,6
22	EL0331	XERIAS R._3	EL0331R000202022N	NAT	R-M5	15,4	111,4	0,0	19,1
23	EL0331	XORVRIO STREAM_1	EL0331R002300016N	NAT	R-M5	20,0	117,7	54,8	24,9
24	EL0331	XORVRIO STREAM_2	EL0331R002300017N	NAT	R-M4	2,5	22,0	32,8	10,5
25	EL0331	XORVRIO STREAM_3	EL0331R002300018N	NAT	R-M4	4,2	32,8	0,0	7,3
26	EL0331	RADOS R.	EL0331R003300031N	NAT	R-M2	25,3	191,1	0,0	15,0
27	EL0331	TANOS R._1	EL0331R001900011N	NAT	R-M2	3,3	13,3	246,9	63,9
28	EL0331	TANOS R._2	EL0331R001900012N	NAT	R-M5	6,5	28,2	218,7	62,7

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
29	EL0331	TANOS R._3	EL0331R001900013N	NAT	R-M2	9,1	81,4	137,3	58,3
30	EL0331	TANOS R._4	EL0331R001900014N	NAT	R-M2	12,5	100,2	37,1	46,0
31	EL0331	TANOS R._5	EL0331R001900015N	NAT	R-M1	11,7	37,1	0,0	15,4
32	EL0333	ARACHOVITIKO STREAM_1	EL0333R000210235N	NAT	R-M1	6,4	48,6	18,9	17,8
33	EL0333	ARACHOVITIKO STREAM_2	EL0333R000210236N	NAT	R-M1	2,8	7,6	11,2	6,3
34	EL0333	ARACHOVITIKO STREAM_3	EL0333R000210237N	NAT	R-M1	4,9	11,2	0,0	3,9
35	EL0333	GERAKARI STREAM_1	EL0333R000202112N	NAT	R-M1	15,1	27,5	17,1	18,5
36	EL0333	GERAKARI STREAM_2	EL0333R000202113N	NAT	R-M1	2,4	17,1	0,0	8,6
37	EL0333	EVROTAS R._1	EL0333R000201006H	HMWB	R-M3	5,9	3,6	1.676,1	459,9
38	EL0333	EVROTAS R._10	EL0333R000209029N	NAT	R-M2	4,6	15,7	807,7	274,8
39	EL0333	EVROTAS R._11	EL0333R000211040N	NAT	R-M2	8,6	63,5	424,3	169,3
40	EL0333	EVROTAS R._12	EL0333R000211041N	NAT	R-M2	6,1	35,9	388,4	149,2
41	EL0333	EVROTAS R._13	EL0333R000213043N	NAT	R-M5	14,9	172,0	183,8	126,2
42	EL0333	EVROTAS R._14	EL0333R000215046N	NAT	R-M2	0,5	0,4	168,6	77,4
43	EL0333	EVROTAS R._15	EL0333R000217049N	NAT	R-M1	7,0	85,0	0,0	42,0
44	EL0333	EVROTAS R._2	EL0333R000201007N	NAT	R-M5	6,3	17,0	1.659,1	459,5
45	EL0333	EVROTAS R._3	EL0333R000201008N	NAT	R-M5	7,5	57,5	1.601,6	457,2
46	EL0333	EVROTAS R._4	EL0333R000201009N	NAT	R-M3	10,0	249,8	1.351,8	448,1
47	EL0333	EVROTAS R._5	EL0333R000201010N	NAT	R-M3	2,9	95,9	1.255,8	405,4
48	EL0333	EVROTAS R._6	EL0333R000203017N	NAT	R-M3	2,5	3,1	1.138,7	345,9
49	EL0333	EVROTAS R._7	EL0333R000203018N	NAT	R-M3	8,2	97,7	1.041,0	345,3
50	EL0333	EVROTAS R._8	EL0333R000205021N	NAT	R-M3	1,5	2,8	1.015,3	322,1
51	EL0333	EVROTAS R._9	EL0333R000207025N	NAT	R-M2	5,8	105,4	873,6	312,3
52	EL0333	KAKARI STREAM_1	EL0333R000204019N	NAT	R-M1	8,9	10,3	12,6	7,3
53	EL0333	KAKARI STREAM_2	EL0333R000204020N	NAT	R-M1	2,6	12,6	0,0	5,6
54	EL0333	KALIVES STREAM_1	EL0333R000206022N	NAT	R-M1	5,6	25,3	11,0	9,5
55	EL0333	KALIVES STREAM_2	EL0333R000206023N	NAT	R-M1	3,2	5,1	5,9	4,6
56	EL0333	KALIVES STREAM_3	EL0333R000206024N	NAT	R-M1	3,0	5,9	0,0	3,3
57	EL0333	KARDARI STREAM	EL0333R000212042N	NAT	R-M1	7,3	32,6	0,0	16,3
58	EL0333	KOLINIATIKO STREAM_1	EL0333R000214044N	NAT	R-M1	6,4	13,3	1,4	6,0
59	EL0333	KOLINIATIKO STREAM_2	EL0333R000214045N	NAT	R-M1	1,5	1,4	0,0	0,7
60	EL0333	LAGADA STREAM_1	EL0333R000216047N	NAT	R-M1	18,3	67,5	16,2	35,3
61	EL0333	LAGADA STREAM_2	EL0333R000216048N	NAT	R-M1	3,9	16,2	0,0	7,4
62	EL0333	MAGOULITSA STREAM_1	EL0333R000208026N	NAT	R-M1	9,3	8,6	41,6	17,2
63	EL0333	MAGOULITSA STREAM_2	EL0333R000208027N	NAT	R-M1	4,8	11,5	30,1	16,1
64	EL0333	MAGOULITSA STREAM_3	EL0333R000208028N	NAT	R-M1	3,5	30,1	0,0	12,6
65	EL0333	INOUS R._1	EL0333R000210030N	NAT	R-M2	5,6	13,9	306,0	103,8
66	EL0333	INOUS R._2	EL0333R000210034N	NAT	R-M2	13,6	59,0	149,7	69,8
67	EL0333	INOUS R._3	EL0333R000210038N	NAT	R-M1	6,5	21,2	61,1	32,6
68	EL0333	INOUS R._4	EL0333R000210039N	NAT	R-M1	18,0	61,1	0,0	25,4
69	EL0333	PLATIS R._1	EL0333R000300001N	NAT	R-M2	2,4	1,8	175,0	51,3
70	EL0333	PLATIS R._2	EL0333R000300002N	NAT	R-M2	2,5	9,7	165,3	51,1
71	EL0333	PLATIS R._3	EL0333R000300003N	NAT	R-M2	2,5	32,4	132,9	48,7
72	EL0333	PLATIS R._4	EL0333R000300004N	NAT	R-M2	2,5	22,6	110,3	42,9
73	EL0333	PLATIS R._5	EL0333R000300005N	NAT	R-M2	14,1	110,3	0,0	38,5
74	EL0333	RASINA STREAM_1	EL0333R000202011N	NAT	R-M2	2,6	9,4	104,7	37,8
75	EL0333	RASINA STREAM_2	EL0333R000202014N	NAT	R-M1	11,8	36,1	24,1	16,8

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
76	EL0333	RASINA STREAM_3	EL0333R000202015N	NAT	R-M1	4,3	12,0	12,1	10,4
77	EL0333	RASINA STREAM_4	EL0333R000202016N	NAT	R-M1	3,9	12,1	0,0	5,8
78	EL0333	SOFRONI STREAM_1	EL0333R000210131N	NAT	R-M1	5,9	41,5	55,7	30,2
79	EL0333	SOFRONI STREAM_2	EL0333R000210132N	NAT	R-M1	5,0	13,8	41,9	18,1
80	EL0333	SOFRONI STREAM_3	EL0333R000210133N	NAT	R-M1	9,0	41,9	0,0	14,3

NAT: *Natural WB*, ***HMWB:*** *Heavily Modified WB*, ***AWB:*** *Artificial WB*

Table 4-3. Assessment of the status of the River Water Bodies of the Eastern Peloponnese (EL03) RBD

SWB Type	RB	WB name	WB Code	AWB/ HMWB	Connection with protected areas	Ecological status/ potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
R	EL0331	INAHOS R._1	EL0331R000201019H	√	-	Moderate Ecological status	Good	Moderate (2)	Low (1)	Moderate Ecological status
R	EL0331	XERIAS R._1	EL0331R000202020H	√	-	Good Ecological status	Good	No Data(0)	Low (1)	Good Ecological status
R	EL0331	XERIAS R._2	EL0331R000202021N	-	-	Moderate	Less than Good	No Data(0)	Moderate (2)	Moderate
R	EL0331	XERIAS R._3	EL0331R000202022N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	INAHOS R._2	EL0331R000203023H	√	-	Moderate Ecological status	Good	Moderate (2)	Moderate (2)	Moderate Ecological status
R	EL0331	DERVENI STREAM_1	EL0331R000204024H	√	-	Moderate Ecological status	Good	No Data(0)	Low (1)	Moderate Ecological status
R	EL0331	DERVENI STREAM_2	EL0331R000204025N	-	-	Moderate	Good	Moderate (2)	Moderate (2)	Moderate
R	EL0331	DERVENI STREAM_3	EL0331R000204026N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	INAHOS R._3	EL0331R000205027H	√	-	Good Ecological status	Good	No Data (0)	Low (1)	Good Ecological status
R	EL0331	INAHOS R._4	EL0331R000205028N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	INAHOS R._5	EL0331R000205029N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	INAHOS R._6	EL0331R000205030N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	MARIOREMA STREAM_1	EL0331R000700001A	√	√	Moderate Ecological status	Good	No Data(0)	No Data(0)	Moderate Ecological status
R	EL0331	MARIOREMA STREAM_2	EL0331R000700002H	√	√	Poor Ecological status	Good	No Data(0)	Low (1)	Poor Ecological status
R	EL0331	MARIOREMA STREAM_3	EL0331R000700003H	√	√	Good Ecological status	Good	No Data(0)	Low (1)	Good Ecological status
R	EL0331	MARIOREMA STREAM_4	EL0331R000700004N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0331	MARIOREMA STREAM_5	EL0331R000700005N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	DAFNON STREAM_1	EL0331R001100006N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0331	DAFNON STREAM_2	EL0331R001100007H	√	√	Good Ecological status	Good	No Data(0)	Low (1)	Good Ecological status
R	EL0331	DAFNON STREAM_3	EL0331R001100008N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0331	VRASIATIS STREAM_1	EL0331R001500009N	-	-	Good	Good	High (3)	Moderate (2)	Good
R	EL0331	VRASIATIS STREAM_2	EL0331R001500010N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	TANOS R._1	EL0331R001900011N	-	-	Good	Good	No Data(0)	Low (1)	Good
R	EL0331	TANOS R._2	EL0331R001900012N	-	-	Good	Good	High (3)	High (3)	Good
R	EL0331	TANOS R._3	EL0331R001900013N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	TANOS R._4	EL0331R001900014N	-	-	Good	Good	Low (1)	No Data(0)	Good

SWB Type	RB	WB name	WB Code	AWB/ HMWB	Connection with protected areas	Ecological status/ potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
R	EL0331	TANOS R._5	EL0331R001900015N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	XORVRIO STREAM_1	EL0331R002300016N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	XORVRIO STREAM_2	EL0331R002300017N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	XORVRIO STREAM_3	EL0331R002300018N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0331	RADOS R.	EL0331R003300031N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._1	EL0333R000201006H	√	√	Bad Ecological status	Less than Good	Moderate (2)	Moderate (2)	Bad Ecological status
R	EL0333	EVROTAS R._2	EL0333R000201007N	-	√	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	EVROTAS R._3	EL0333R000201008N	-	√	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	EVROTAS R._4	EL0333R000201009N	-	√	Poor	Good	High (3)	Moderate (2)	Poor
R	EL0333	EVROTAS R._5	EL0333R000201010N	-	-	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	RASINA STREAM_1	EL0333R000202011N	-	-	Poor	Good	Moderate (2)	No Data(0)	Poor
R	EL0333	RASINA STREAM_2	EL0333R000202014N	-	-	Good	Good	Low (1)	No Data(0)	Good
R	EL0333	RASINA STREAM_3	EL0333R000202015N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	RASINA STREAM_4	EL0333R000202016N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	GERAKARI STREAM_1	EL0333R000202112N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	GERAKARI STREAM_2	EL0333R000202113N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._6	EL0333R000203017N	-	-	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	EVROTAS R._7	EL0333R000203018N	-	-	Poor	Good	Moderate (2)	Low (1)	Poor
R	EL0333	KAKARI STREAM_1	EL0333R000204019N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	KAKARI STREAM_2	EL0333R000204020N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._8	EL0333R000205021N	-	-	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	KALIVES STREAM_1	EL0333R000206022N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	KALIVES STREAM_2	EL0333R000206023N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	KALIVES STREAM_3	EL0333R000206024N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._9	EL0333R000207025N	-	-	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	MAGOULITSA STREAM_1	EL0333R000208026N	-	-	Moderate	Good	High (3)	Low (1)	Moderate
R	EL0333	MAGOULITSA STREAM_2	EL0333R000208027N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0333	MAGOULITSA STREAM_3	EL0333R000208028N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._10	EL0333R000209029N	-	-	Moderate	Good	Moderate (2)	Moderate (2)	Moderate
R	EL0333	INOUS R._1	EL0333R000210030N	-	-	Good	Good	Moderate (2)	Moderate (2)	Good

SWB Type	RB	WB name	WB Code	AWB/ HMWB	Connection with protected areas	Ecological status/ potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
R	EL0333	INOUS R._2	EL0333R000210034N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	INOUS R._3	EL0333R000210038N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	INOUS R._4	EL0333R000210039N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	SOFRONI STREAM_1	EL0333R000210131N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	SOFRONI STREAM_2	EL0333R000210132N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	SOFRONI STREAM_3	EL0333R000210133N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	ARACHOVITIKO STREAM_1	EL0333R000210235N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	ARACHOVITIKO STREAM_2	EL0333R000210236N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	ARACHOVITIKO STREAM_3	EL0333R000210237N	-	-	Good	Good	High (3)	Low (1)	Good
R	EL0333	EVROTAS R._11	EL0333R000211040N	-	-	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	EVROTAS R._12	EL0333R000211041N	-	-	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0333	KARDARI STREAM	EL0333R000212042N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._13	EL0333R000213043N	-	-	Bad	Good	Moderate (2)	Moderate (2)	Bad
R	EL0333	KOLINIATIKO STREAM_1	EL0333R000214044N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	KOLINIATIKO STREAM_2	EL0333R000214045N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._14	EL0333R000215046N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	LAGADA STREAM_1	EL0333R000216047N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	LAGADA STREAM_2	EL0333R000216048N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	EVROTAS R._15	EL0333R000217049N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	PLATIS R._1	EL0333R000300001N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0333	PLATIS R._2	EL0333R000300002N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	PLATIS R._3	EL0333R000300003N	-	-	Bad	Good	High (3)	Low (1)	Bad
R	EL0333	PLATIS R._4	EL0333R000300004N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0333	PLATIS R._5	EL0333R000300005N	-	-	Good	Good	Low (1)	Low (1)	Good

Table 4-4. Differences in the status of the river water bodies between the first RBMP and its 1st and 2nd Updates in the Eastern Peloponnese RBD (EL03)

					2nd RBMP Update			1st RBMP Update			1st RBMP				
WB Type	RB	WB Code	WB Name	Characterization method	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Remarks - Qualitative data	Remarks - Exceedings
R	EL0331	INAHOS R._1	EL0331R000201019H	GRP	Moderate Ecological Status	Good	Moderate Ecological Status	Good Ecological Status	Good	Good Ecological Status	Moderate Ecological Status	Less than Good	Moderate Ecological Status	Macro invertebrates: Moderate Diatoms: Moderate	
R	EL0331	XERIAS R._1	EL0331R000202020H	EXJ	Good Ecological Status	Good	Good Ecological Status	Unknown Ecological Status	Good	Unknown Ecological Status	Unknown Ecological Status	Unknown	Unknown Ecological Status		
R	EL0331	XERIAS R._2	EL0331R000202021N	NMN	Moderate	Less than Good	Moderate	Good	Good	Good	Unknown	Unknown	Unknown		Lead, Selenium and its compounds
R	EL0331	XERIAS R._3	EL0331R000202022N	GRP	Good	Good	Good	Moderate	Good	Moderate	Unknown	Unknown	Unknown		
R	EL0331	INAHOS R._2	EL0331R000203023H	NMN	Moderate Ecological Status	Good	Moderate Ecological Status	Good Ecological Status	Good	Good Ecological Status	Moderate Ecological Status	Less than Good	Moderate Ecological Status	Macro invertebrates: Moderate	
R	EL0331	DERVENI STREAM_1	EL0331R000204024H	EXJ	Moderate Ecological Status	Good	Moderate Ecological Status	Unknown Ecological Status	Good	Unknown Ecological Status	Unknown Ecological Status	Unknown	Unknown Ecological Status		
R	EL0331	DERVENI STREAM_2	EL0331R000204025N	NMN	Moderate	Good	Moderate	Poor	Good	Poor	Unknown	Unknown	Unknown	Macro invertebrates: Moderate	Chromium VI
R	EL0331	DERVENI STREAM_3	EL0331R000204026N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	INAHOS R._3	EL0331R000205027H	EXJ	Good Ecological Status	Good	Good Ecological Status	Good Ecological Status	Good	Good Ecological Status	Moderate Ecological Status	Less than Good	Moderate Ecological Status		
R	EL0331	INAHOS R._4	EL0331R000205028N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0331	INAHOS R._5	EL0331R000205029N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Less than Good	Unknown		
R	EL0331	INAHOS R._6	EL0331R000205030N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	MARIOREMA STREAM_1	EL0331R000700001A	EXJ	Moderate Ecological Status	Good	Moderate Ecological Status	Unknown Ecological Status	Good	Unknown Ecological Status	Unknown Ecological Status	Unknown	Unknown Ecological Status		

					2nd RBMP Update			1st RBMP Update			1st RBMP				
WB Type	RB	WB Code	WB Name	Characterization method	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Remarks - Qualitative data	Remarks - Exceedings
R	EL0331	MARIOREMA STREAM_2	EL0331R000700002H	EXJ	Poor Ecological Status	Good	Poor Ecological Status	Unknown Ecological Status	Good	Unknown Ecological Status	Unknown Ecological Status	Unknown	Unknown Ecological Status		
R	EL0331	MARIOREMA STREAM_3	EL0331R000700003H	EXJ	Good Ecological Status	Good	Good Ecological Status	Unknown Ecological Status	Good	Unknown Ecological Status	Unknown Ecological Status	Unknown	Unknown Ecological Status		
R	EL0331	MARIOREMA STREAM_4	EL0331R000700004N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	MARIOREMA STREAM_5	EL0331R000700005N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0331	DAFNON STREAM_1	EL0331R001100006N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	DAFNON STREAM_2	EL0331R001100007H	EXJ	Good Ecological Status	Good	Good Ecological Status	Unknown Ecological Status	Good	Unknown Ecological Status	Unknown Ecological Status	Unknown	Unknown Ecological Status		
R	EL0331	DAFNON STREAM_3	EL0331R001100008N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	VRASIATIS STREAM_1	EL0331R001500009N	NMN	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	VRASIATIS STREAM_2	EL0331R001500010N	GRP	Good	Good	Good	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown		
R	EL0331	TANOS R._1	EL0331R001900011N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	TANOS R._2	EL0331R001900012N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	TANOS R._3	EL0331R001900013N	GRP	Good	Good	Good	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown		
R	EL0331	TANOS R._4	EL0331R001900014N	EXJ	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0331	TANOS R._5	EL0331R001900015N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0331	XORVRIO STREAM_1	EL0331R002300016N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	XORVRIO STREAM_2	EL0331R002300017N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	XORVRIO STREAM_3	EL0331R002300018N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0331	RADOS R.	EL0331R003300031N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		

					2nd RBMP Update			1st RBMP Update			1st RBMP				
WB Type	RB	WB Code	WB Name	Characterization method	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Remarks - Qualitative data	Remarks - Exceedings
R	EL0333	EVROTAS R._1	EL0333R000201006H	NMN	Bad Ecological Status	Less than Good	Bad Ecological Status	Moderate Ecological Status	Good	Moderate Ecological Status	Moderate Ecological Status	Less than Good	Moderate Ecological Status	Macro invertebrates: Moderate Macrophytes: Poor Fish fauna: Bad	Benzo(a)pyrene, Lead, Nickel
R	EL0333	EVROTAS R._2	EL0333R000201007N	EXJ	Moderate	Good	Moderate	Bad	Good	Bad	Moderate	Unknown	Unknown		
R	EL0333	EVROTAS R._3	EL0333R000201008N	EXJ	Moderate	Good	Moderate	Good	Good	Good	Poor	Unknown	Unknown		
R	EL0333	EVROTAS R._4	EL0333R000201009N	NMN	Poor	Good	Poor	Moderate	Unknown	Unknown	Poor	Unknown	Unknown	Fish fauna: Poor	Nickel
R	EL0333	EVROTAS R._5	EL0333R000201010N	EXJ	Moderate	Good	Moderate	Good	Good	Good	Poor	Unknown	Unknown		
R	EL0333	RASINA STREAM_1	EL0333R000202011N	EXJ	Poor	Good	Poor	Good	Unknown	Unknown	Poor	Good	Poor	Macro invertebrates: Poor	
R	EL0333	RASINA STREAM_2	EL0333R000202014N	EXJ	Good	Good	Good	Good	Good	Good	Poor	Good	Poor		
R	EL0333	RASINA STREAM_3	EL0333R000202015N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	RASINA STREAM_4	EL0333R000202016N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	GERAKARI STREAM_1	EL0333R000202112N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Good	Moderate		
R	EL0333	GERAKARI STREAM_2	EL0333R000202113N	GRP	Good	Good	Good	Good	Good	Good	Good	Good	Good		
R	EL0333	EVROTAS R._6	EL0333R000203017N	EXJ	Moderate	Good	Moderate	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	EVROTAS R._7	EL0333R000203018N	GRP	Poor	Good	Poor	Moderate	Unknown	Unknown	Moderate	Less than Good	Moderate	Macro invertebrates: Moderate Macrophytes: Poor Fish fauna: Poor	
R	EL0333	KAKARI STREAM_1	EL0333R000204019N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	KAKARI STREAM_2	EL0333R000204020N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	EVROTAS R._8	EL0333R000205021N	EXJ	Moderate	Good	Moderate	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	KALIVES STREAM_1	EL0333R000206022N	GRP	Good	Good	Good	Moderate	Good	Moderate	Unknown	Unknown	Unknown		
R	EL0333	KALIVES STREAM_2	EL0333R000206023N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		

					2nd RBMP Update			1st RBMP Update			1st RBMP				
WB Type	RB	WB Code	WB Name	Characterization method	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Remarks - Qualitative data	Remarks - Exceedings
R	EL0333	KALIVES STREAM_3	EL0333R000206024N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	EVROTAS R._9	EL0333R000207025N	EXJ	Moderate	Good	Moderate	Moderate	Unknown	Unknown	Moderate	Less than Good	Moderate		
R	EL0333	MAGOULITSA STREAM_1	EL0333R000208026N	GRP	Moderate	Good	Moderate	Moderate	Good	Moderate	Moderate	Unknown	Unknown	Macro invertebrates: Moderate	
R	EL0333	MAGOULITSA STREAM_2	EL0333R000208027N	GRP	Good	Good	Good	Moderate	Good	Moderate	Moderate	Less than Good	Moderate		
R	EL0333	MAGOULITSA STREAM_3	EL0333R000208028N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	EVROTAS R._10	EL0333R000209029N	NMN	Moderate	Good	Moderate	Poor	Good	Poor	Poor	Less than Good	Poor	Macro invertebrates: Moderate Fish fauna: Moderate	
R	EL0333	INOUS R._1	EL0333R000210030N	NMN	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	INOUS R._2	EL0333R000210034N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	INOUS R._3	EL0333R000210038N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	INOUS R._4	EL0333R000210039N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	SOFRONI STREAM_1	EL0333R000210131N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	SOFRONI STREAM_2	EL0333R000210132N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	SOFRONI STREAM_3	EL0333R000210133N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	ARACHOVITIKO STREAM_1	EL0333R000210235N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	ARACHOVITIKO STREAM_2	EL0333R000210236N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	ARACHOVITIKO STREAM_3	EL0333R000210237N	GRP	Good	Good	Good	Moderate	Good	Moderate	Good	Unknown	Unknown		
R	EL0333	EVROTAS R._11	EL0333R000211040N	EXJ	Moderate	Good	Moderate	Good	Unknown	Unknown	Moderate	Less than Good	Moderate		

					2nd RBMP Update			1st RBMP Update			1st RBMP				
WB Type	RB	WB Code	WB Name	Characterization method	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Ecological status/potential	Chemical Status	Overall status/potential	Remarks - Qualitative data	Remarks - Exceedings
R	EL0333	EVROTAS R._12	EL0333R000211041N	EXJ	Moderate	Good	Moderate	Good	Good	Good	Moderate	Less than Good	Moderate		
R	EL0333	KARDARI STREAM	EL0333R000212042N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Good	Moderate		
R	EL0333	EVROTAS R._13	EL0333R000213043N	NMN	Bad	Good	Bad	Moderate	Good	Moderate	Moderate	Less than Good	Moderate	Fish fauna: Bad	
R	EL0333	KOLINIATIKO STREAM_1	EL0333R000214044N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Unknown	Unknown		
R	EL0333	KOLINIATIKO STREAM_2	EL0333R000214045N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	EVROTAS R._14	EL0333R000215046N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	LAGADA STREAM_1	EL0333R000216047N	GRP	Good	Good	Good	Good	Good	Good	Good	Good	Good		
R	EL0333	LAGADA STREAM_2	EL0333R000216048N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0333	EVROTAS R._15	EL0333R000217049N	GRP	Good	Good	Good	Moderate	Good	Moderate	Moderate	Less than Good	Moderate		
R	EL0333	PLATIS R._1	EL0333R000300001N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0333	PLATIS R._2	EL0333R000300002N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0333	PLATIS R._3	EL0333R000300003N	GRP	Bad	Good	Bad	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown	Fish fauna: Bad	
R	EL0333	PLATIS R._4	EL0333R000300004N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0333	PLATIS R._5	EL0333R000300005N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		

NMN *National Monitoring Network Measurements,* ***GRP*** *Grouping,* ***EXJ*** *Expert judgment*

4.1.2 Lake Water Bodies

The typology and classification of the status of lake water bodies of the Eastern Peloponnese River Basin District (EL03) is presented in the following tables. The differences in ecological and chemical status between the 1st RBMP and its 1st and 2nd Updates are also recorded.

Table 4-5. Lake HMWB-reservoirs per RB in the Eastern Peloponnese RBD (EL03)

No	WB Name	WB Code	Category	Area (km²)	Perimeter (km)	WB Type
Tripoli Plateau RB (EL0330)						
1	TAKA ARTIF.LAKE	EL0330L000000001H	HMWB	1,2	4,3	L-M8

Legend: NAT: *Natural WB*, ***HMWB:*** *Heavily Modified WB*, ***AWB:*** *Artificial WB*

Table 4-6. Assessment of the status of the lake water bodies of the RBD of Eastern Peloponnese (EL03)

Type of SWB	RB	WB Name	WB Code	AWB/HMWB	Connection to protected areas	Ecological status/potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
L	EL0330	TAKA ARTIF.LAKE	EL0330L000000001H	√	√	Moderate Ecological Status	Good	No Data(0)	No Data(0)	Moderate Ecological Status

Table 4-7. Differences in the status of lake water bodies, including reservoirs, between the 1st RBMP and the 1st and 2nd Updates in the Eastern Peloponnese RBD (EL03)

					2nd RBMP Update			1st RBMP Update			1st RBMP				
Type of SWB	RB	WB Name	WB Code	Characterization method	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Remarks - Qualitative data	Remarks - Exceedings
L	EL0330	TAKA ARTIF.LAKE	EL0330L000000001H	EXJ	Moderate Ecological Status	Good	Moderate Ecological Status	Unknown	Unknown	Unknown	Unknown Ecological Status	Unknown	Unknown Ecological Status		

NMN *National Monitoring Network Measurements,* ***GRP*** *Grouping,* ***EXJ*** *Expert judgment*

4.1.3 Transitional Water Bodies

The typology and classification of the status of transitional water bodies of the Eastern Peloponnese River Basin District (EL03) is presented in the following tables. The differences in ecological and chemical status between the 1st RBMP as well as its 1st and 2nd Updates are also recorded.

Table 4-8. Transitional water bodies per RB of the Eastern Peloponnese RBD (EL03)

No	WB Name	WB Code	Category	Area (km^2)	Perimeter (km)	WB Type
Argolic Gulf Streams RB (EL0331)						
1	DREPANOS-ASINI LAGOON	EL0331T0001N	NAT	0,5	3,49	TW1
2	THERMISIA LAGOON	EL0331T0002N	NAT	0,8	4,37	TW1
3	STROGGILI LIMNI LAGOON	EL0331T0003N	NAT	0,4	4,41	TW1
4	VIVARI LAGOON (EVROTAS DELTA)	EL0331T0004N	NAT	2,2	9,04	TW1
5	MOUSTOU WETLAND	EL0331T0005N	NAT	1,6	6,18	TW1

NAT: *Natural WB,* ***HMWB:*** *Heavily Modified WB,* ***AWB:*** *Artificial WB*

Table 4-9. Assessment of the status of transitional water bodies of the Eastern Peloponnese RBD (EL03)

Type of SWB	RB	WB Name	WB Code	AWB/HMWB	Connection to protected areas	Ecological status/potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
T	EL0331	DREPANOS-ASINI LAGOON	EL0331T0001N	-	-	Good	Good	No Data(0)	No Data(0)	Good
T	EL0331	THERMISIA LAGOON	EL0331T0002N	-	√	Good	Good	No Data(0)	No Data(0)	Good
T	EL0331	STROGGILI LIMNI LAGOON	EL0331T0003N	-	√	Good	Good	No Data(0)	No Data(0)	Good
T	EL0331	VIVARI LAGOON (EVROTAS DELTA)	EL0331T0004N	-	√	Good	Good	No Data(0)	No Data(0)	Good
T	EL0331	MOUSTOU WETLAND	EL0331T0005N	-	√	Moderate	Good	No Data(0)	No Data(0)	Moderate

Table 4-10. Differences in the status of transitional water bodies between the first RBMP and its 1st and 2nd Updates in the Eastern Peloponnese RBD (EL03)

					2nd RBMP Update			1st RBMP Update			1st RBMP				
Type of SWB	RB	WB Name	WB Code	Characterization method	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Remarks - Qualitative data	Remarks - Exceedings
T	EL0331	DREPANOS-ASINI LAGOON	EL0331T0001N	EXJ	Good	Good	Good	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		
T	EL0331	THERMISIA LAGOON	EL0331T0002N	EXJ	Good	Good	Good	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		
T	EL0331	STROGGILI LIMNI LAGOON	EL0331T0003N	EXJ	Good	Good	Good	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		
T	EL0331	VIVARI LAGOON (EVROTAS DELTA)	EL0331T0004N	EXJ	Good	Good	Good	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		
T	EL0331	MOUSTOU WETLAND	EL0331T0005N	EXJ	Moderate	Good	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		

***NMN** National Monitoring Network Measurements, **GRP** Grouping, **EXJ** Expert judgment*

4.1.4 Coastal Water Bodies

The typology and classification of the status of the coastal water bodies of the Eastern Peloponnese River Basin District (EL03) is presented in the following tables. The differences in ecological and chemical status between the 1st RBMP as well as the 1st and 2nd Updates are also recorded.

Table 4-11. Coastal water bodies per RB of the Eastern Peloponnese RBD (EL03)

No	WB Name	WB Code	Category	Area (km^2)	Perimeter (km)	WB Type
Argolic Gulf Streams RB (EL0331)						
1	ARGOLIKOS GULF	EL0331C0001N	NAT	882,03	295,65	IIIE
2	HYDRA-DOKOS-SPETSES CHANNEL	EL0331C0002N	NAT	455,31	343,45	IIIE
3	HYDRA COASTS	EL0331C0003N	NAT	47,12	70,77	IIIE
4	ISLET_1	EL0331C0004N	NAT	15,88	17,16	IIIE
5	EAST COAST OF PELOPONNESE	EL0331C0005N	NAT	307,63	430,98	IIIE
6	ELAFONISOS COASTS	EL0331C0006N	NAT	93,86	133,91	IIIE
7	EAST COAST OF KITHIRA	EL0331C0009N	NAT	108,41	136,85	IIIE
8	WEST COAST OF KITHIRA	EL0331C0010N	NAT	119,53	161,91	IIIE
9	COAST OF ANTIKITHIRA	EL0331C0011N	NAT	100,75	109,09	IIIE
10	ISLET_2	EL0331C0012N	NAT	25,61	28,95	IIIE
11	ISLET_3	EL0331C0013N	NAT	12,12	13,16	IIIE
Evrota River RB (EL0333)						
1	COAST OF LAKONIKOS GULF	EL0333C0007N	NAT	432,01	115,33	IIIE
2	TENARO CAPE – LAKONIKOS GULF	EL0333C0008N	NAT	86,71	123,64	IIIE

***NAT**: Natural WB, **HMWB:** Heavily Modified WB, **AWB:** Artificial WB*

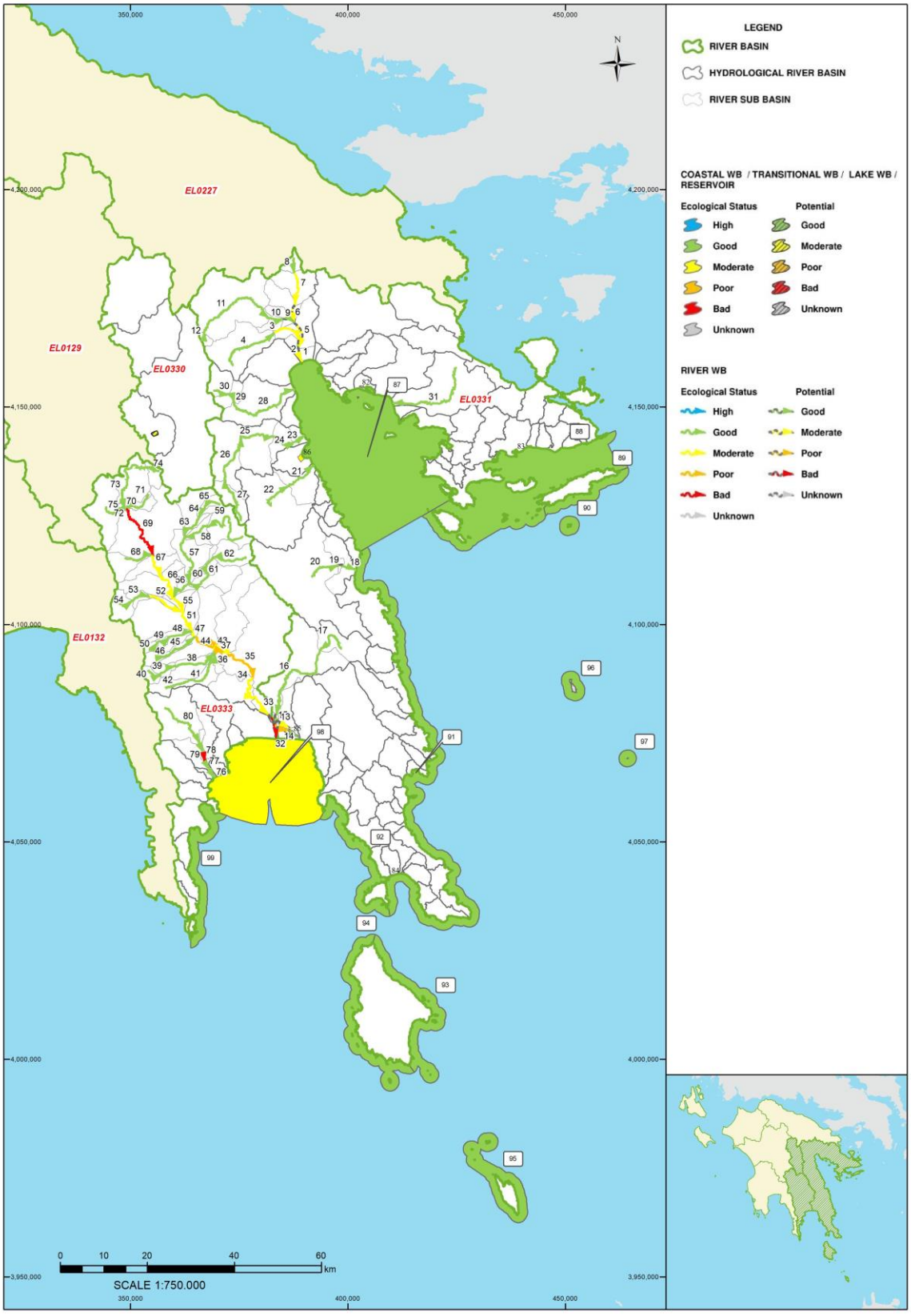
Table 4-12. Assessment of the status of the coastal water bodies of the Eastern Peloponnese RBD (EL03)

Type of SWB	RB	WB Name	WB Code	AWB/HMWB	Connection to protected areas	Ecological status/ potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
C	EL0331	ARGOLIKOS GULF	EL0331C0001N	-	√	Good	Good	High (3)	Moderate (2)	Good
C	EL0331	HYDRA-DOKOS-SPETSES CHANNEL	EL0331C0002N	-	√	Good	Good	High (3)	Moderate (2)	Good
C	EL0331	HYDRA COASTS	EL0331C0003N	-	-	Good	Good	No Data(0)	No Data(0)	Good
C	EL0331	ISLET_1	EL0331C0004N	-	-	Good	Good	Low (1)	No Data(0)	Good
C	EL0331	EAST COAST OF PELOPONNESE	EL0331C0005N	-	√	Good	Good	Low (1)	No Data(0)	Good
C	EL0331	ELAFONISOS COASTS	EL0331C0006N	-	√	Good	Good	No Data(0)	No Data(0)	Good
C	EL0331	EAST COAST OF KITHIRA	EL0331C0009N	-	√	Good	Good	No Data(0)	No Data(0)	Good
C	EL0331	WEST COAST OF KITHIRA	EL0331C0010N	-	√	Good	Good	No Data(0)	No Data(0)	Good
C	EL0331	COAST OF ANTIKITHIRA	EL0331C0011N	-	√	Good	Good	No Data(0)	No Data(0)	Good
C	EL0331	ISLET_2	EL0331C0012N	-	√	Good	Good	Low (1)	No Data(0)	Good
C	EL0331	ISLET_3	EL0331C0013N	-	-	Good	Good	Low (1)	No Data(0)	Good
C	EL0333	COAST OF LAKONIKOS GULF	EL0333C0007N	-	√	Moderate	Good	High (3)	Moderate (2)	Moderate
C	EL0333	TENARO CAPE – LAKONIKOS GULF	EL0333C0008N	-	√	Good	Good	No Data(0)	No Data(0)	Good

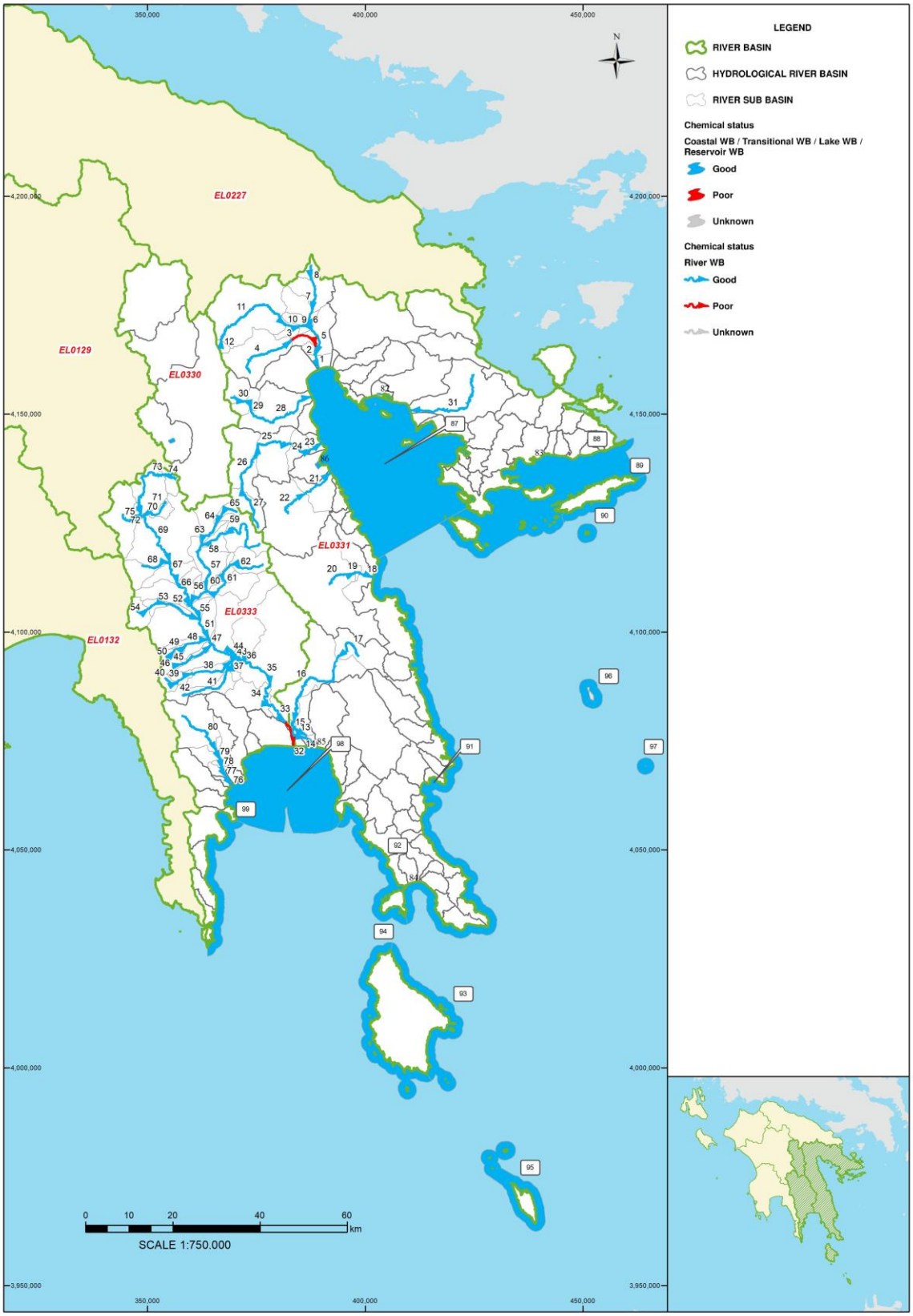
Table 4-13. Differences in the status of coastal water bodies between the first RBMP and its 1st and 2nd Updates in the Eastern Peloponnese RBD (EL03)

					2nd RBMP Update			1st RBMP Update			1st RBMP				
Type of SWB	RB	WD Name	WD Code	Characterization method	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Remarks - Qualitative data	Remarks - Exceedings
C	EL0331	ARGOLIKOS GULF	EL0331C0001N	NMN	Good	Good	Good	Moderate	Good	Good	Moderate	Unknown	Unknown		
C	EL0331	HYDRA-DOKOS-SPETSES CHANNEL	EL0331C0002N	NMN	Good	Good	Good	Good	Good	Good	Moderate	Unknown	Unknown		
C	EL0331	HYDRA COASTS	EL0331C0003N	GRP	Good	Good	Good	High	Good	High	High	Unknown	Unknown		
C	EL0331	ISLET_1	EL0331C0004N	GRP	Good	Good	Good	High	Good	High	High	Unknown	Unknown		
C	EL0331	EAST COAST OF PELOPONNESE	EL0331C0005N	GRP	Good	Good	Good	High	Good	High	High	Unknown	Unknown		
C	EL0331	ELAFONISOS COASTS	EL0331C0006N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0331	EAST COAST OF KITHIRA	EL0331C0009N	GRP	Good	Good	Good	High	Good	High	High	Unknown	Unknown		
C	EL0331	WEST COAST OF KITHIRA	EL0331C0010N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0331	COAST OF ANTIKITHIRA	EL0331C0011N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0331	ISLET_2	EL0331C0012N	GRP	Good	Good	Good	High	Good	High	High	Unknown	Unknown		
C	EL0331	ISLET_3	EL0331C0013N	GRP	Good	Good	Good	High	Good	High	High	Unknown	Unknown		
C	EL0333	COAST OF LAKONIKOS GULF	EL0333C0007N	NMN	Moderate	Good	Moderate	Moderate	Good	Moderate	Good	Unknown	Unknown		
C	EL0333	TENARO CAPE – LAKONIKOS GULF	EL0333C0008N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		

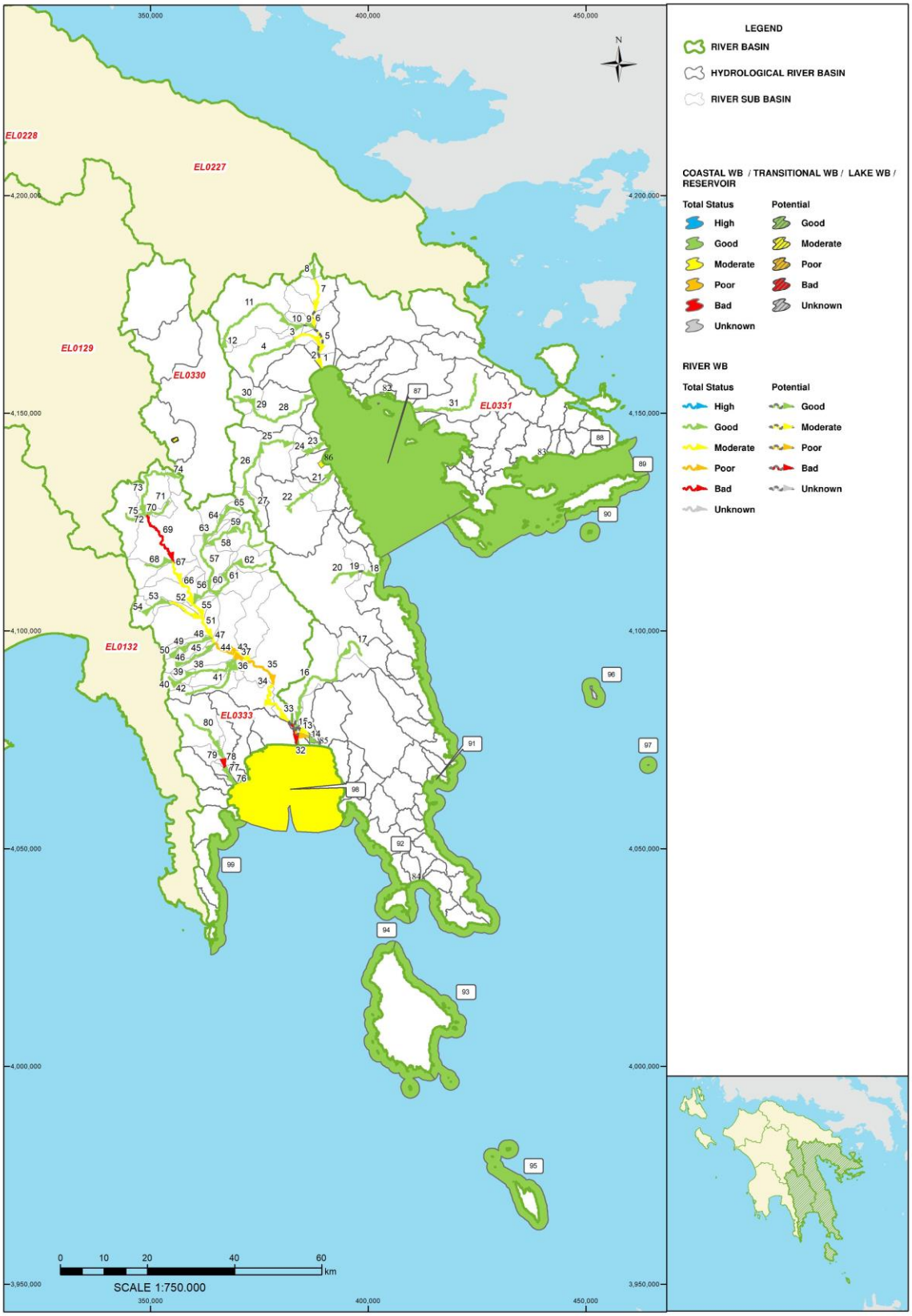
NMN *National Monitoring Network Measurements,* ***GRP*** *Grouping,* ***EXJ*** *Expert judgment*



Map 4-2. Ecological status of surface waters of the River Basin District EL03



Map 4-3. Chemical Status of surface WB of the River Basin District EL03



Map 4-4. Overall status of surface WB of the River Basin District EL03

4.2 Groundwater Bodies

Within the framework of the 2nd RBMP Update, the demarcated groundwater bodies (GWB) were re-examined and there was no need to change the boundaries of an existing GWB or to divide an existing GWB into subsystems. In the Eastern Peloponnese RBD (EL03) thirty-four (34) GWB are found, of which 2 GWB in the Tripoli Plateau RB (EL0330), 20 GWB in the Streams of Argolic Gulf RB (EL0331) and 12 GWB in the Evrota River RB (EL0333). These GWB are presented below:

Table 4-14. Groundwater Bodies of the Eastern Peloponnese RBD (EL03)

No	GWB Name	GWB Code	Area (km2)
Tripoli Plateau RB (EL0330)			
1	Systima Kandilas	EL0300010	172,09
2	Systima oropediou Tripolis	EL0300030	170,88
Argolic Gulf Streams RB (EL0331)			
1	Systima An. Arkadias - Dyt. Argolidas	EL0300020	1454,11
2	Systima Argolikou Pediou	EL0300040	182,47
3	Systima Mavrovouniou - Didymon	EL0300050	607,94
4	Systima Troizinias	EL0300060	25,63
5	Systima Ermionis	EL0300070	310,85
6	Systima Portocheliou	EL0300080	83,67
7	Systima Astrous	EL0300090	44,92
8	Systima Parnona	EL0300100	951,55
9	Systima Zaraka - Monemvasias	EL0300110	576,37
10	Systima Notioanatolikis Lakonias	EL0300120	369,11
11	Systima Neapolis	EL0300130	38,13
12	Systima Kythiron	EL0300140	276,95
13	Systima Asopou-Glykovrysis	EL0300150	181,62
14	Systima Antikythiron	EL0300280	20,39
15	Systima Elafonisou	EL0300290	17,75
16	Systima Spetson	EL0300300	19,99
17	Systima Ydras	EL0300310	48,78
18	Systima Porou	EL0300320	22,39
19	Systima Methanon	EL0300330	65,23
20	Systima Neogenon Maladreniou	EL0300340	72,74
Evrota River RB (EL0333)			
1	Systima Gerakiou - Gkoritsas	EL0300160	716,26
2	Systima Elous- Vasilopotamou	EL0300170	61,40
3	Systima Skalas	EL0300180	68,16
4	Systima Krokeon - Gytheiou	EL0300190	268,35
5	Systima p.Vardounia (p.Platy)	EL0300200	29,82
6	Systima Skoutariou	EL0300210	469,18
7	Systima Anat. Taygetou - Ag. Marinas	EL0300220	261,19
8	Systima Evrota	EL0300230	146,55
9	Systima Ag.Petrou-Voutianon	EL0300240	317,33
10	Systima Zorou - Sellasias	EL0300250	157,15
11	Systima Pellanas - Skortsinou	EL0300260	198,51
12	Systima Kollines - Vlachokerasias	EL0300270	96,66

The final characterization of the status of a GWB depends on both the assessment of its chemical and quantitative status. The Good Chemical Status of the waters' aims to protect the groundwater from degradation and pollution, while the Good Quantitative status ensures the available water resources and the non-depletion of the aquifer.

Table 4-15. Chemical and Quantitative status of groundwater bodies in the RB of Tripoli Plateau (EL0330)

No	GWB Name	GWB Code	Chemical Status	Quantitative status	Increased element values due to natural background	Increased values of Anthropogenic Influence items	Main Pressures	Seawater infiltration	Register of protected areas Article A7	Remarks
1	EL0300010	Systima Kandilas	Good	Good	-	-	Agriculture, Livestock	NO	NO	-
2	EL0300030	Systima oropediou Tripolis	Bad	Good	-	NO_3 and SO_4 (locally)	Agriculture, Livestock, Indusrty, Urbanization, WTP	NO	NO	-

Table 4-16. Chemical and Quantitative status of groundwater bodies in the RB of Argolic Gulf Streams (EL0331)

No	GWB Name	GWB Code	Chemical Status	Quantitative status	Increased element values due to natural background	Increased values of Anthropogenic Influence items	Main Pressures	Seawater infiltration	Register of protected areas Article A7	Remarks
1	EL0300020	Systima An. Arkadias - Dyt. Argolidas	Good	Good	Cl	-	Agriculture, Livestock, Indusrty	YES (due to natural background & local pumping)	YES	-
2	EL0300040	Systima Argolikou Pediou	Bad	Bad	-	Cl, NO_3, SO_4 (locally)	Agriculture, Livestock, Indusrty, Urbanization, WTP	YES	NO	-
3	EL0300050	Systima Mavrovouniou - Didymon	Bad	Good	Cl, SO_4	NO_3	Agriculture, Livestock, WTP	YES (due to natural background & local pumping)	NO	-
4	EL0300060	Systima Troizinias	Bad	Bad	-	Cl (locally), NO_3	Agriculture, Livestock	YES	NO	-

No	GWB Name	GWB Code	Chemical Status	Quantitative status	Increased element values due to natural background	Increased values of Anthropogenic Influence items	Main Pressures	Seawater infiltration	Register of protected areas Article A7	Remarks
5	EL0300070	Systima Ermionis	Bad	Good	-	Cl (locally), SO_4 (locally)	Agriculture, Livestock, Industry, WTP	YES (locally)	NO	-
6	EL0300080	Systima Portocheliou	Bad	Bad	-	Cl (locally), NO_3	Agriculture, Livestock, Indusrty, WTP	YES	NO	-
7	EL0300090	Systima Astrous	Bad	Bad	-	Cl, NO_3, SO_4	Agriculture, Livestock, Indusrty	YES	NO	-
8	EL0300100	Systima Parnona	Good	Good	Cl, SO_4	NO_3 (locally)	-	-	NO	-
9	EL0300110	Systima Zaraka - Monemvasias	Good	Good	Cl	-	-	-	NO	-
10	EL0300120	Systima Notioanatolikis Lakonias	Good	Good	Cl	-	-	-	NO	-
11	EL0300130	Systima Neapolis	Bad	Bad	-	Cl (locally), NO_3 (locally)	Agriculture, Livestock	YES	NO	-
12	EL0300140	Systima Kythiron	Good	Good	-	-	-	-	NO	-
13	EL0300150	Systima Asopou-Glykovrysis	Bad	Bad	-	Cl (locally), NO_3 (locally), SO_4 (locally)	Agriculture, Livestock, Indusrty	YES	NO	-
14	EL0300280	Systima Antikythiron	Good	Good	-	-	-	-	NO	-
15	EL0300290	Systima Elafonisou	Good	Good	-	-	-	YES (due to natural background)	NO	-
16	EL0300300	Systima Spetson	Good	Good	-	-	-	YES (due to natural background)	NO	-
17	EL0300310	Systima Ydras	Good	Good	-	-	-	YES (due to natural background)	NO	-
18	EL0300320	Systima Porou	Good	Good	-	-	-	YES (due to natural background)	NO	-
19	EL0300330	Systima Methanon	Good	Good	-	-	-	-	NO	-
20	EL0300340	Systima Neogenon Maladreniou	Good	Good	-	-	-	-	NO	-

Table 4-17. Chemical and Quantitative status of groundwater bodies in the RB of Evrota (EL0333)

No	GWB Name	GWB Code	Chemical Status	Quantitative status	Increased element values due to natural background	Increased values of Anthropogenic Influence items	Main Pressures	Seawater infiltration	Register of protected areas Article A7	Remarks
1	EL0300160	Systima Gerakiou - Gkoritsas	Good	Good	-	-	-	-	NO	-
2	EL0300170	Systima Elous- Vasilopotamou	Good	Good	-	NO_3 (locally)	Agriculture, Livestock	YES (locally to the Eastern zone)	NO	-
3	EL0300180	Systima Skalas	Good	Good	-	-	Agriculture	NO	YES	-
4	EL0300190	Systima Krokeon - Gytheiou	Good	Good	Cl, SO_4	-	-	-	NO	-
5	EL0300200	Systima p.Vardounia (p.Platy)	Good	Good	-	-	Agriculture, Livestock	NO	NO	-
6	EL0300210	Systima Skoutariou	Good	Good	Cl	-	-	YES	NO	-
7	EL0300220	Systima Anat. Taygetou - Ag. Marinas	Good	Good	-	-	-	-	YES	-
8	EL0300230	Systima Evrota	Good	Good	-	NO_3 (locally)	Agriculture, Livestock, WTP	-	NO	-
9	EL0300240	Systima Ag.Petrou-Voutianon	Good	Good	-	-	-	-	NO	-
10	EL0300250	Systima Zorou - Sellasias	Good	Good	-	-	-	-	NO	-
11	EL0300260	Systima Pellanas - Skortsinou	Good	Good	-	-	-	-	NO	-
12	EL0300270	Systima Kollines - Vlachokerasias	Good	Good	-	-	-	-	NO	-

Table 4-18. Change in the GWB status between the 1st RBMP and its 1st and 2nd Updates for the RB of Tripoli Plateau (EL0330)

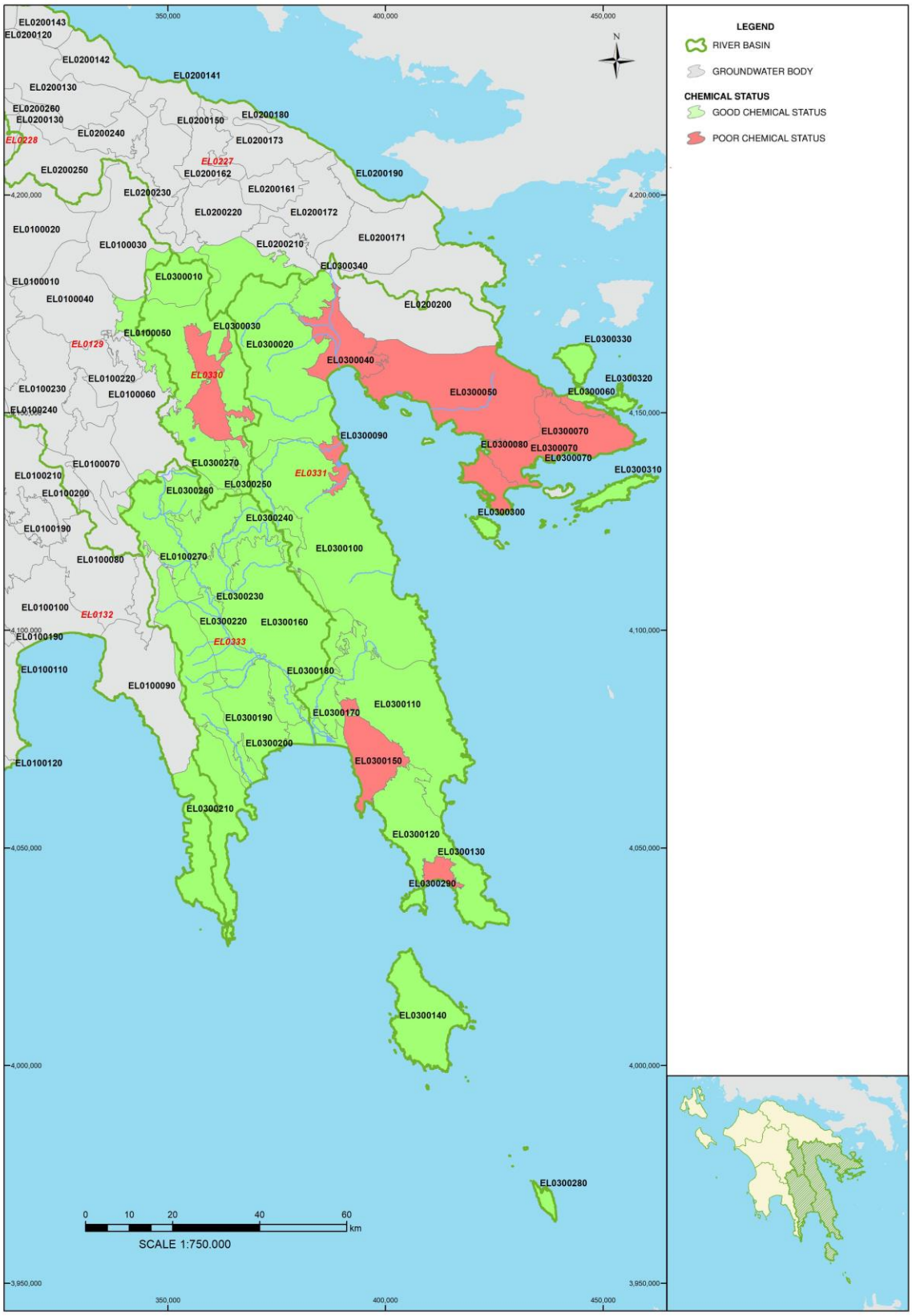
GWB Name	GWB Code	2nd RBMP Update		1st RBMP Update		1st RBMP	
		Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status
EL0300010	Systima Kandilas	Good	Good	Good	Good	Good	Good
EL0300030	Systima oropediou Tripolis	Bad	Good	Bad	Good	Bad	Good

Table 4-19. Change in the GWB status between the 1st RBMP and its 1st and 2nd Updates for the RB of Argolic Gulf Streams (EL0331)

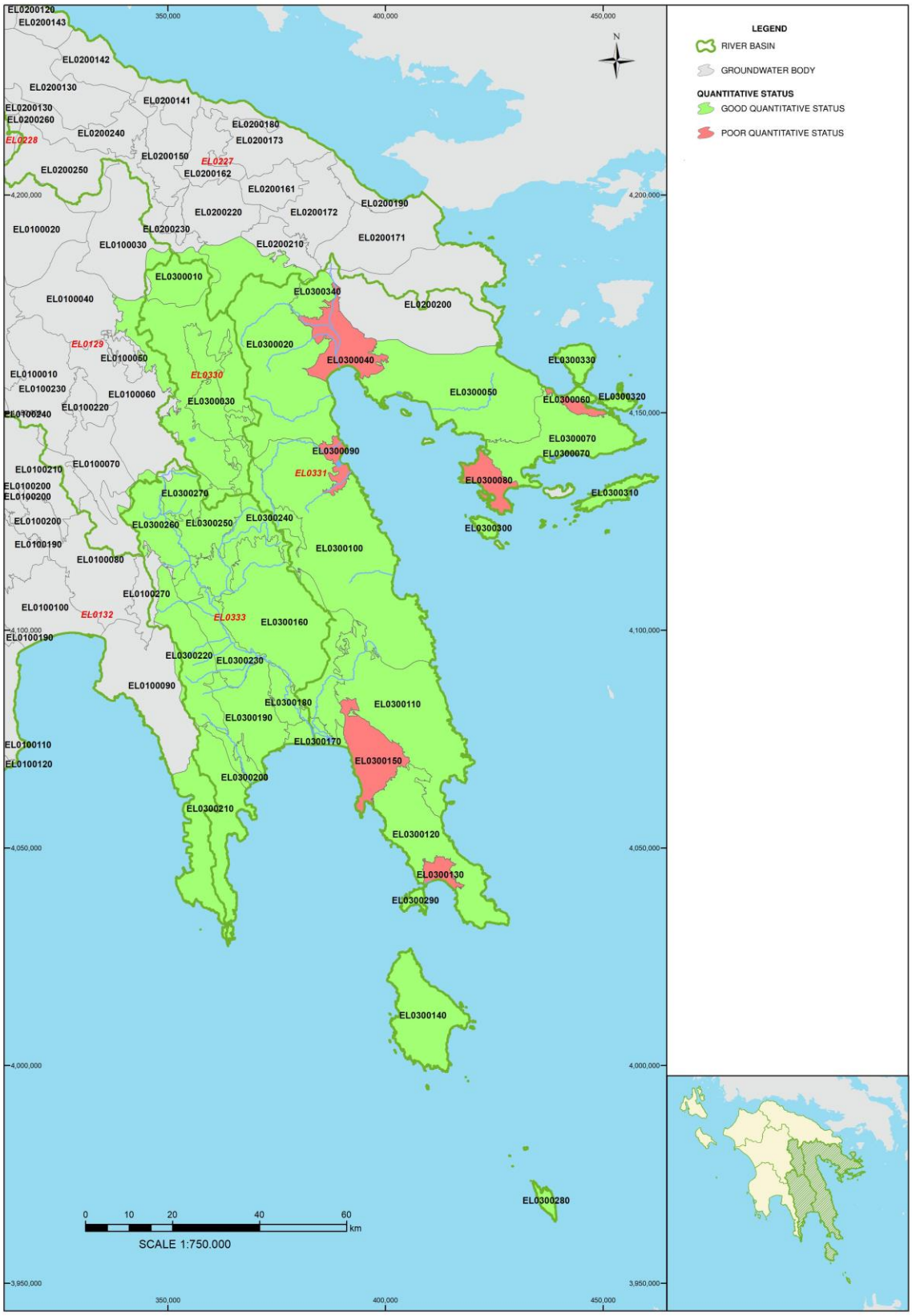
GWB Name	GWB Code	2nd RBMP Update		1st RBMP Update		1st RBMP	
		Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status
EL0300020	Systima An. Arkadias - Dyt. Argolidas	Good	Good	Good	Good	Good	Good
EL0300040	Systima Argolikou Pediou	Bad	Bad	Bad	Bad	Bad	Bad
EL0300050	Systima Mavrovouniou - Didymon	Bad	Good	Bad	Good	Bad	Good
EL0300060	Systima Troizinias	Bad	Bad	Bad	Bad	Bad	Bad
EL0300070	Systima Ermionis	Bad	Good	Bad	Good	Bad	Good
EL0300080	Systima Portocheliou	Bad	Bad	Bad	Bad	Bad	Bad
EL0300090	Systima Astrous	Bad	Bad	Bad	Bad	Bad	Good
EL0300100	Systima Parnona	Good	Good	Good	Good	Good	Good
EL0300110	Systima Zaraka - Monemvasias	Good	Good	Good	Good	Good	Good
EL0300120	Systima Notioanatolikis Lakonias	Good	Good	Good	Good	Good	Good
EL0300130	Systima Neapolis	Bad	Bad	Bad	Bad	Bad	Bad
EL0300140	Systima Kythiron	Good	Good	Good	Good	Good	Good
EL0300150	Systima Asopou-Glykovrysis	Bad	Bad	Bad	Bad	Bad	Bad
EL0300280	Systima Antikythiron	Good	Good	Good	Good	-	-
EL0300290	Systima Elafonisou	Good	Good	Good	Good	-	-
EL0300300	Systima Spetson	Good	Good	Good	Good	-	-
EL0300310	Systima Ydras	Good	Good	Good	Good	-	-
EL0300320	Systima Porou	Good	Good	Good	Good	-	-
EL0300330	Systima Methanon	Good	Good	Good	Good	-	-
EL0300340	Systima Neogenon Maladreniou	Good	Good	Good	Good	-	-

Table 4-20. Change in the GWB status between the 1st RBMP and its 1st and 2nd Updates for the RB of Evrota (EL0333)

GWB Name	GWB Code	2nd RBMP Update		1st RBMP Update		1st RBMP	
		Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status
EL0300160	Systima Gerakiou - Gkoritsas	Good	Good	Good	Good	Good	Good
EL0300170	Systima Elous- Vasilopotamou	Good	Good	Good	Good	Good	Good
EL0300180	Systima Skalas	Good	Good	Good	Good	Good	Good
EL0300190	Systima Krokeon - Gytheiou	Good	Good	Good	Good	Good	Good
EL0300200	Systima p.Vardounia (p.Platy)	Good	Good	Good	Good	Good	Good
EL0300210	Systima Skoutariou	Good	Good	Good	Good	Good	Good
EL0300220	Systima Anat. Taygetou - Ag. Marinas	Good	Good	Good	Good	Good	Good
EL0300230	Systima Evrota	Good	Good	Good	Good	Bad	Good
EL0300240	Systima Ag.Petrou-Voutianon	Good	Good	Good	Good	Good	Good
EL0300250	Systima Zorou - Sellasias	Good	Good	Good	Good	Good	Good
EL0300260	Systima Pellanas - Skortsinou	Good	Good	Good	Good	Good	Good
EL0300270	Systima Kollines - Vlachokerasias	Good	Good	Good	Good	Good	Good



Map 4-5. Qualitative (chemical) status of the GWB of the River Basin District of Eastern Peloponnese (EL03)



Map 4-6. Quantitative status of the GWB of the River Basin District of Eastern Peloponnese (EL03)

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

In summary, during the present 2nd Update of the RBMP, the same methodology as in the 2nd Administrative Cycle (1st RBMP Update) was applied with the following improvements:

1. Data were collected for projects that were built after 2015 and/or are to be built by 2027
2. The entirety of the SWB was examined and all projects/uses were recorded, per criterion in a geographical information system (GIS) to enable their subsequent geographic comparison with future projects
3. The HMWB resulting from the construction of dams (the inland reservoirs) are identified as HMWB-reservoir lakes
4. The recent results of the NMN were taken into account for the final determination of the HMWB

In the context of the 2nd Update of the RBMP, Special Measures to achieve the Good Ecological Potential of the HMWB that were identified in the 2nd Update are proposed in a separate Deliverable ("Special Measures to achieve the Good Ecological Potential in the HMWB"), so that they can be considered in the context of the implementation of the Program of Measures.

Following the application of the HMWB and AWB determination methodology, 10 heavily modified and 1 artificial water body were identified in the Eastern Peloponnese (EL03) out of a total of 99 surface water bodies.

The following tables present the water bodies, which were definitively characterized as heavily modified and artificial by River Basin of the Eastern Peloponnese RBD (EL03).

Table 4-21. Heavily Modified River Water Bodies in the Eastern Peloponnese RBD (EL03)

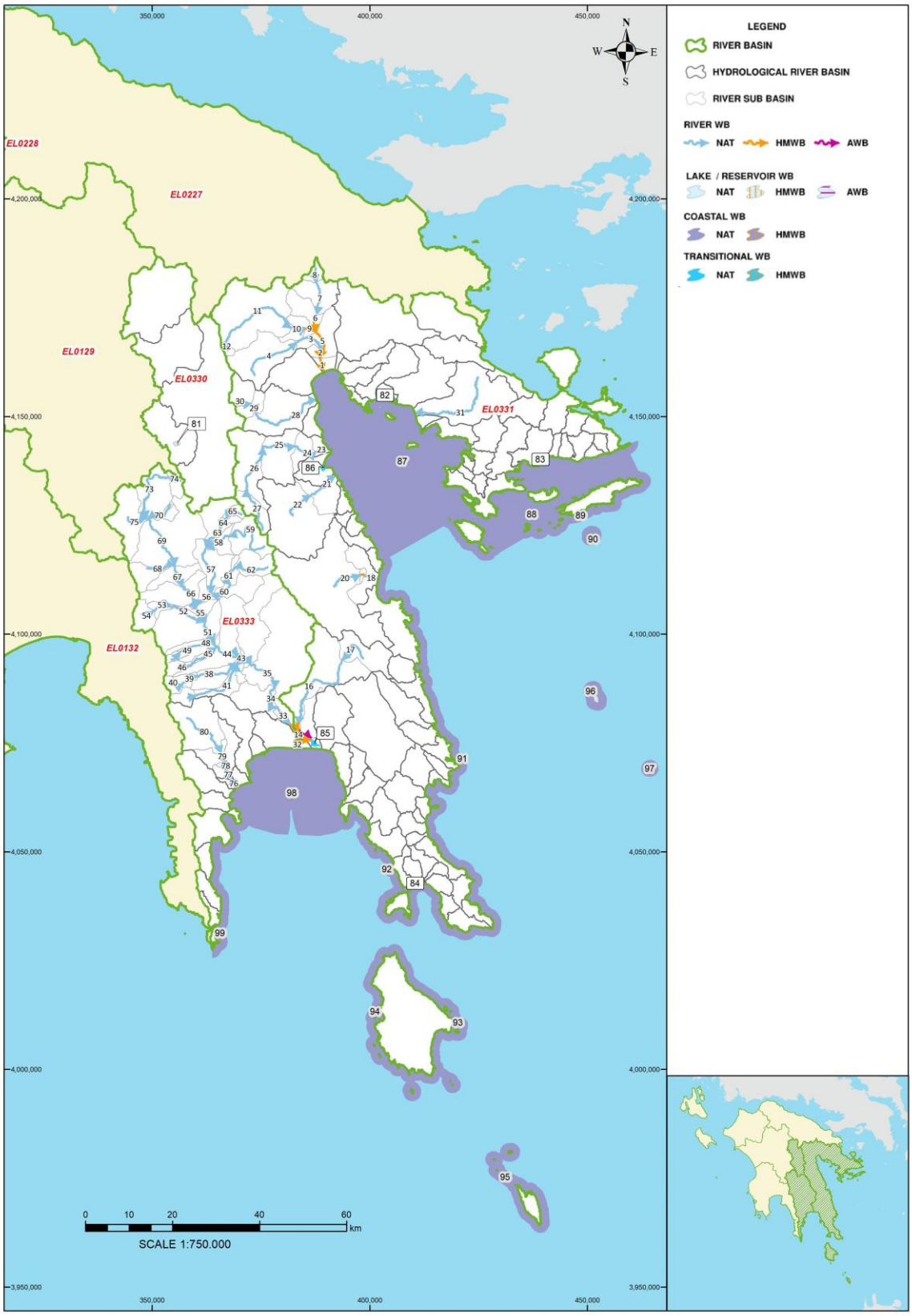
WB Code	Project	WB Name	AWB-HMWB	Type of WB	Length/ Surface of WB (km/km²)	Designated Use
Argolic Gulf Streams RB (EL0331)						
EL0331R000700002H	OLD RIVER BED	MARIOREMA STREAM_2	HMWB	R-M1	5,0	Flood protection
EL0331R000700003H	RIVER RELINING	MARIOREMA STREAM_3	HMWB	R-M4	1,9	Flood protection
EL0331R001100007H	RIVER RELINING	DAFNON STREAM_2	HMWB	R-M4	1,2	Flood protection
EL0331R000201019H	RIVER RELINING	INAHOS R._1	HMWB	R-M5	3,2	Flood protection
EL0331R000202020H	RIVER RELINING	XERIAS R._1	HMWB	R-M5	2,2	Flood protection
EL0331R000203023H	RIVER RELINING	INAHOS R._2	HMWB	R-M5	6,9	Flood protection
EL0331R000204024H	RIVER RELINING	DERVENI STREAM_1	HMWB	R-M5	4,4	Flood protection
EL0331R000205027H	RIVER RELINING	INAHOS R._3	HMWB	R-M5	2,9	Flood protection
Evrota River RB (EL0333)						
EL0333R000201006H	RIVER DIVERSION	EVROTAS R._1	HMWB	R-M3	5,9	Irrigation, Flood protection

Table 4-22. Artificial River Water Bodies in the Eastern Peloponnese RBD (EL03)

WB Code	Project	WB Name	AWB-HMWB	Type of WB	Length/ Surface of WB (km/km²)	Designated Use
Argolic Gulf Streams RB (EL0331)						
EL0331R000700001A	RIVER DIVERSION	MARIOREMA STREAM_1	AWB	R-M4	3,9	Flood protection

Table 4-23. Heavily Modified Lake WB - reservoirs in the Eastern Peloponnese RBD (EL03)

WD Code	Project	WD Name	AWB-HMWB	Type of WB	Length/ Surface of WB (km/km²)	Designated Use
Tripoli Plateau RB (EL0330)						
EL0330L000000001H	ARTIFICIAL LAKE	TAKA ARTIF.LAKE	HMWB	L-M8	1,2	Irrigation



Map 4-7. Heavily Modified and Artificial Water Bodies in the Eastern Peloponnese RBD (EL03)

4.4 Protected Areas

The Register of Protected Areas (RPA) includes, according to Annex V of PD 51/08.03.2007, all the following types of areas:

a) Areas designated for the abstraction of water for human consumption, in accordance with article 7 of PD 51/08.03.2007 (article 7 of Directive 2000/60/EC),

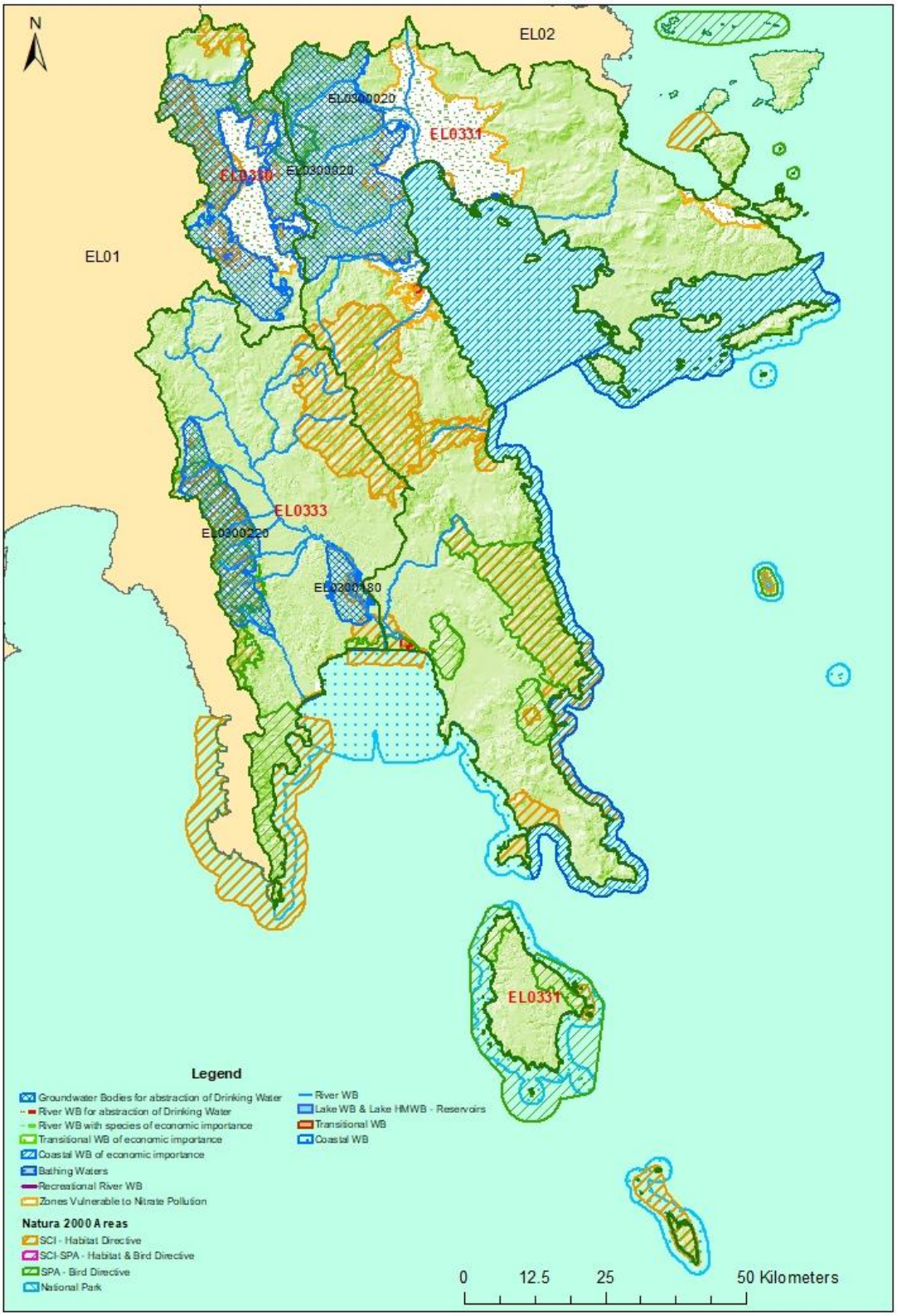
b) Areas intended for the protection of aquatic species of economic importance,

c) Water bodies designated as recreational waters, including areas designated as bathing waters,

d) Areas sensitive to the presence of nutrients, including areas designated as vulnerable zones, and areas designated as sensitive and

e) Areas intended for the protection of habitats or species, when the maintenance or improvement of the state of the waters is important for their protection, including the relevant sites of the NATURE 2000 program (NATURA 2000).

The areas of the RPA for the River Basin District of the Eastern Peloponnese (EL03) are shown below.



Map 4-8. Protected areas in the RBD of Eastern Peloponnese (EL03)

5 HUMAN PRESSURES AND IMPACTS ON WATER BODIES

5.1 Point sources of pollution

Point sources of pollution include the following sources that produce conventional pollutants (BOD, N, P):

- Wastewater Treatment Plants (WWTP)
- Discharge of sewage networks to a natural receptor
- Big hotel units
- Industrial units
- Livestock units
- Aquaculture – Fish farming
- Spills from sites for the uncontrolled disposal of waste and landfills

From the above sources of pollution, the total annual pollutant loads of BOD, N and P produced in the examined River Basin District are calculated.

Table 5-1. Total annual loads of BOD, N and P to SWB and GWB produced by point sources of pollution in the River Basin District EL03

	TOTAL ANNUAL BOD (tn/y)			TOTAL ANNUAL N (tn/y)			TOTAL ANNUAL P (tn/y)			TOTAL ANNUAL BOD (tn/y)	TOTAL ANNUAL N (tn/y)	TOTAL ANNUAL P (tn/y)
TYPE OF USE	EL0330	EL0331	EL0333	EL0330	EL0331	EL0333	EL0330	EL0331	EL0333	EL03	EL03	EL03
Industrial Units	445,50	1.161,42	754,18	64,0	106,73	49,10	13,02	27,4	11,85	2.361,10	219,81	52,29
Wastewater Treatment Plants	95,85	144,60	17,92	38,34	147,29	22,75	7,99	23,51	8,39	258,37	208,37	39,88
Discharge of sewage networks to a natural receiver	0,00	80,59	0,00	0,0	16,12	0,00	0,00	3,4	0,00	80,59	16,12	3,36
Livestock Units	28,31	98,86	111,04	19,57	73,45	45,05	2,49	8,56	5,79	238,22	138,07	16,84
Large hotel units	0,00	4,85	0,00	0,0	7,76	0,00	0,00	1,6	0,00	4,85	7,76	1,62
Aquaculture - Fish farming	0,00	0,58	6,92	0,00	1.310,84	1,39	0,00	178,45	0,23	7,50	1.312,23	178,69
Sites for the uncontrolled disposal of waste and landfills	0,33	4,10	0,00	0,26	0,46	0,00	0,01	0,03	0,00	4,43	0,73	0,04
TOTAL	**569,99**	**1.494,99**	**890,07**	**122,15**	**1.662,65**	**118,29**	**23,51**	**242,94**	**26,26**	**2.955,05**	**1.903,08**	**292,72**

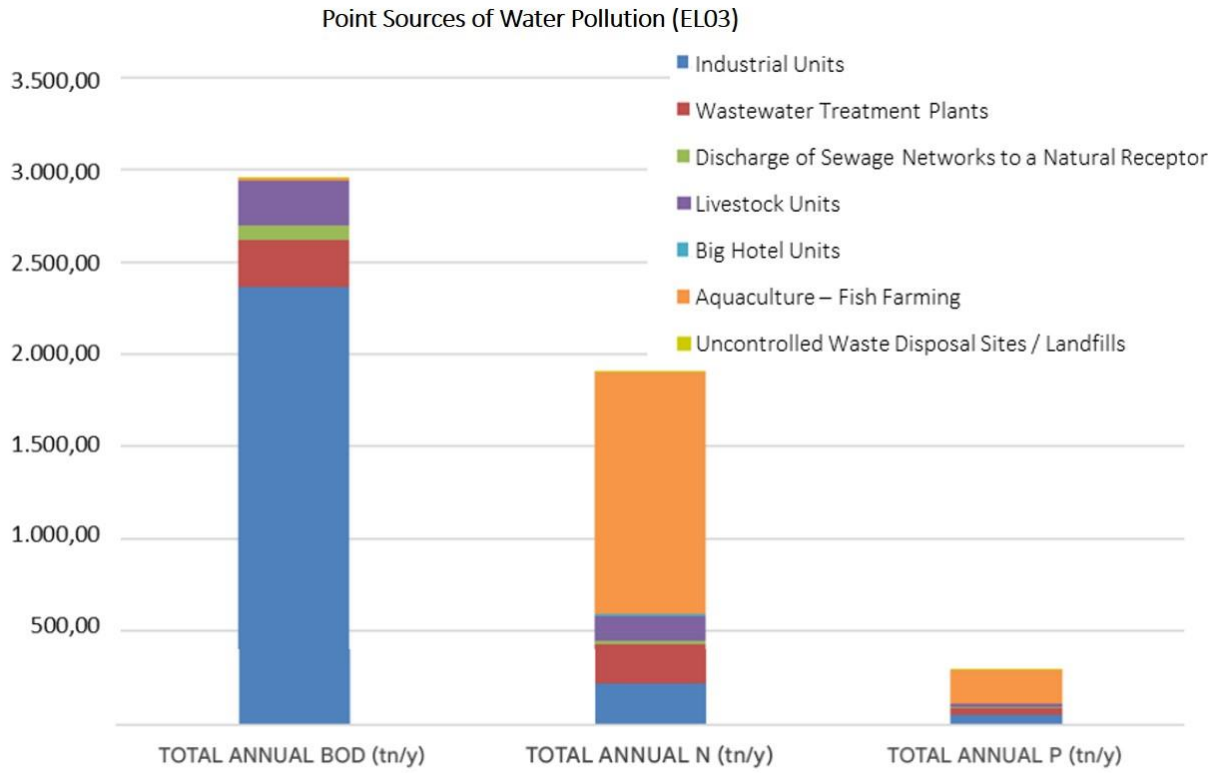


Figure 5-1. Total annual loads of BOD, N and P in the SWB and GWB produced in RBD EL03 by point sources of pollution

5.2 Diffuse sources of pollution

Diffuse sources of pollution include the following sources that produce conventional pollutants (BOD, N, P):

- Agricultural activities
- Animal husbandry (pastoral)
- Municipal wastewater that does not end up in WWTP
- Other diffuse sources

From the above sources of pollution, the total annual pollutant loads of BOD, N and P produced in the examined River Basin District are calculated.

Table 5-2. Total annual loads of BOD, N and P in the SWB and GWB produced by diffuse sources of pollution in the RBD EL03

	TOTAL ANNUAL BOD (tn/y)			TOTAL ANNUAL N (tn/y)			TOTAL ANNUAL P (tn/y)			TOTAL ANNUAL BOD (tn/y)	TOTAL ANNUAL N (tn/y)	TOTAL ANNUAL P (tn/y)
TYPE OF USE	EL0330	EL0331	EL0333	EL0330	EL0331	EL0333	EL0330	EL0331	EL0333	EL03	EL03	EL03
OTHER SOURCES	0,00	0,00	0,00	33,06	215,99	90,66	3,04	20,00	8,46	0,00	339,71	31,49
URBAN	216,47	868,90	509,63	61,85	248,26	145,61	12,89	51,72	30,33	1.594,99	455,71	94,94
AGRICULTURE	0,00	0,00	0,00	26,46	373,37	187,79	8,94	154,64	71,55	0,00	587,63	235,13
ANIMAL HUSBANDRY	23,97	91,18	43,98	26,02	110,04	38,65	2,59	9,66	4,22	159,13	174,71	16,47
TOTAL	**240,44**	**960,07**	**553,61**	**147,39**	**947,66**	**462,72**	**27,45**	**236,02**	**114,56**	**1.754,12**	**1.557,77**	**378,03**

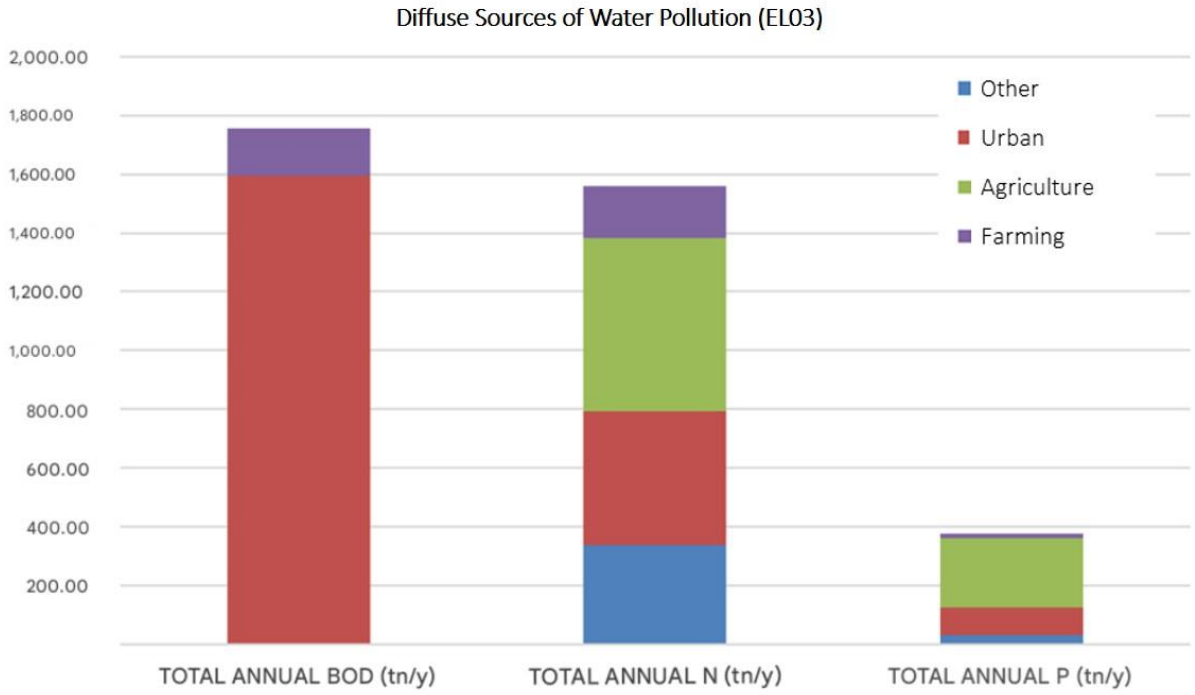


Figure 5-2. Total annual BOD, N and P loads in EW and EW produced in Water District EL03 from diffuse pollution sources.

5.3 Hydromorphological pressures

The overall assessment of the SWB of RBD EL03 in terms of hydromorphological pressures is presented below, as well as the projects that have caused hydromorphological changes in surface water bodies, resulting in their initial characterization as Heavily Modified Water Bodies or Artificial Water Bodies.

Table 5-3. Overall assessment of hydromorphological pressures in the SWB in RBD EL03

	WB NUMBER	PERCENTAGE %	EVALUATION OF HYDR/MO PRESSURES
WB Rivers	28	35,4%	Negligible
	30	38,0%	Tolerable
	11	13,9%	Moderate
	8	10,1%	Strong
	2	2,5%	Important
Total rivers	**79**	**100,0%**	
WB Lake	0	0,0%	Negligible
	0	0,0%	Tolerable
	0	0,0%	Moderate
	0	0,0%	Strong
	1	100,0%	Important
Total lakes	**1**	**100,0%**	
WB Coastal	12	92,3%	Negligible
	1	7,7%	Tolerable
	0	0,0%	Moderate
	0	0,0%	Strong
	0	0,0%	Important
Total coastals	**13**	**100,0%**	

	WB NUMBER	PERCENTAGE %	EVALUATION OF HYDR/MO PRESSURES
WB Transitional	4	80,0%	Negligible
	1	20,0%	Tolerable
	0	0,0%	Moderate
	0	0,0%	Strong
	0	0,0%	Important
Total Transitionals	**5**	**100,0%**	

***Note**: Table data includes RBD's HMWBs. AWBs are not included.*

Table 5-4. Projects with hydromorphological changes in surface water bodies identified as HMWB (originally) or AWB in RB of Tripoli Plateau (EL0330)

REGIONAL UNIT	PROJECT	DESIGNATED PROJECT USE	WB CODE	AREA (km²) / LENGTH (km) HMWB-AWB	CHARACTERIZATION
ARCADIA	TAKA ARTIF.LAKE	Irrigation	EL0330L000000001H	1,2	HMWB

Table 5-5. Projects with hydromorphological changes in surface water bodies identified as HMWB (originally) or AWB in RB of Argolic Gulf Streams (EL0331)

REGIONAL UNIT	PROJECT	DESIGNATED PROJECT USE	WB CODE	AREA (km²) / LENGTH (km) HMWB-AWB	CHARACTERIZA-TION
LAKONIA	RIVER DIVERSION MARIOREMA STREAM	Flood protection	EL0331R000700001A	3,93	AWB
LAKONIA	RIVER RELINING AND OLD RIVER BED MARIOREMA STREAM	Flood protection	EL0331R000700003H, EL0331R000700002H	6,95	HMWB
ARCADIA	RIVER RELINING DAFNON STREAM	Flood protection	EL0331R001100007H	1,16	HMWB
ARGOLIDA	RIVER RELINING INAHOS R.	Flood protection	EL0331R000205027H, EL0331R000203023H, EL0331R000201019H	13,08	HMWB
ARGOLIDA	RIVER RELINING XERIAS R.	Flood protection	EL0331R000202020H	2,15	HMWB
ARGOLIDA	RIVER RELINING DERVENI STREAM (BRANCH OF INAHOS RIVER)	Flood protection	EL0331R000204024H	4,37	HMWB

Table 5-6. Projects with hydromorphological changes in surface water bodies identified as HMWB (originally) or AWB in Evrota River RB (EL0333)

REGIONAL UNIT	PROJECT	DESIGNATED PROJECT USE	WB CODE	AREA (km²) / LENGTH (km) HMWB-AWB	CHARACTERIZATION
LAKONIA	DIVERSION EVROTAS R.	Irrigation, Flood protection	EL0333R000201006H	5,9	HMWB

5.4 Water abstractions

This section includes data on the total annual water withdrawals for all activities and uses. The list of the categories of activities and uses examined includes:

- Water supply
- Irrigation
- Livestock water
- Industrial water

The distribution of water abstractions for the different uses within the Eastern Peloponnese RBD (EL03) is presented below, as well as the annual water abstractions per use and per River Basin. The total abstraction quantities to cover the needs of water supply, irrigation, livestock farming and industry within EL03 are estimated at a total of 403,431,684 m³/y, of which the largest volume concerns irrigation (87.46%). This is followed by water supply with a percentage of 8.66%, industry with a percentage of 3.47% and finally livestock farming with a percentage of 0.40%.

Table 5-7. Amounts of annual water abstractions in the RBD of Eastern Peloponnese (EL03)

TYPE OF USE	ABSTRACTIONS (m³/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	352.849.885	87,46%
INDUSTRY	14.007.794	3,47%
LIVESTOCK	1.623.308	0,40%
WATER SUPPLY	34.950.697	8,66%
TOTAL RBD	**403.431.684**	**100,00%**

Table 5-8. Amounts of annual water abstractions in the Tripoli Plateau RB (EL0330)

TYPE OF USE	ABSTRACTIONS (m³/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	22.414.233	77,3%
INDUSTRY	319.552	1,1%
LIVESTOCK	191.700	0,7%
WATER SUPPLY	6.065.026	20,9%
TOTAL RB	**28.990.511**	**100,0%**

Table 5-9. Amounts of annual water abstractions in the Argolic Gulf Streams RB (EL0331)

TYPE OF USE	ABSTRACTIONS (m³/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	244.121.735	87,6%
INDUSTRY	11.227.158	4,0%
LIVESTOCK	990.071	0,4%
WATER SUPPLY	22.163.247	8,0%
TOTAL RB	**278.502.211**	**100,0%**

Table 5-10. Amounts of annual water abstractions in the Evrota River RB (EL0333)

TYPE OF USE	ABSTRACTIONS (m^3/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	86.313.917	90,0%
INDUSTRY	2.461.085	2,5%
LIVESTOCK	441.537	0,5%
WATER SUPPLY	6.722.424	7,0%
TOTAL RB	**95.938.963**	**100,0%**

5.5 Other pressures

Other pressures considered in the context of the 2nd Update of the RBMP include runoffs from mining activities (mines), desalination units, ports - marinas - navigation, artificial recharge of groundwater bodies and change in groundwater level and quantity due to underground holdings or construction of large underground works.

5.6 Aggregate pressure data

The total annual quantities of BOD, N and P pollutant loads per RB in the SWB and GWB from point and diffuse pollution sources and from other types of anthropogenic pressures are presented below.:

Table 5-11. Total annual BOD, N and P loads in SWB and GWB from point and diffuse pollution sources in RBD EL03, by WB type and by RB

SOURCE OF POLLUTION	TOTAL ANNUAL BOD (tn/y)			TOTAL ANNUAL N (tn/y)			TOTAL ANNUAL P (tn/y)			TOTAL ANNUAL BOD (tn/y)	TOTAL ANNUAL N (tn/y)	TOTAL ANNUAL P (tn/y)
	EL0330	EL0331	EL0333	EL0330	EL0331	EL0333	EL0330	EL0331	EL0333	EL03	EL03	EL03
TOTAL POINT	**569,99**	**1.494,99**	**890,07**	**122,15**	**1.662,65**	**118,29**	**23,51**	**242,94**	**26,26**	**2.955,05**	**1.903,08**	**292,72**
SWB (POINT)	541,67	1.396,13	779,03	102,58	1.589,20	73,24	21,02	234,38	20,47	2.716,83	1.765,01	275,88
GWB (POINT)	28,31	98,86	111,04	19,57	73,45	45,05	2,49	8,56	5,79	238,22	138,07	16,84
TOTAL DIFFUSE	**240,44**	**960,07**	**553,61**	**147,39**	**947,66**	**462,72**	**27,45**	**236,02**	**114,56**	**1.754,12**	**1.557,77**	**378,03**
SWB (DIFFUSE)	181,89	790,48	461,10	89,88	651,07	292,86	21,45	199,50	89,46	1.433,47	1.033,81	310,42
GWB (DIFFUSE)	58,54	169,59	92,51	57,52	296,58	169,85	5,99	36,52	25,10	320,65	523,96	67,62
TOTAL SOURCES	**810,43**	**2.455,07**	**1.443,68**	**269,54**	**2.610,31**	**581,00**	**50,96**	**478,96**	**140,83**	**4.709,17**	**3.460,85**	**670,75**

5.7 Impact assessment and risk assessment of not achieving objectives

5.7.1 Impact assessment on surface water bodies

In assessing the impacts and the characterization of the water bodies based on the possibility of achieving the environmental objectives of the Directive, the following are taken into consideration per water body:

- The intensity of pressures from pollution sources and abstractions: high (H), medium (M), low (L)
- The available data and results of the monitoring program
- Expert judgment, when no data are available.

Regarding the risk assessment of non-achieving the objectives, the following categories are identified: at risk (AR), probably at risk (PAR), probably not at risk (PNR), not at risk (NR)

Based on the set of criteria, the WB were ranked in relation to whether or not they are likely to achieve the environmental objectives of Directive 2000/60/EC and the summary results are presented below.

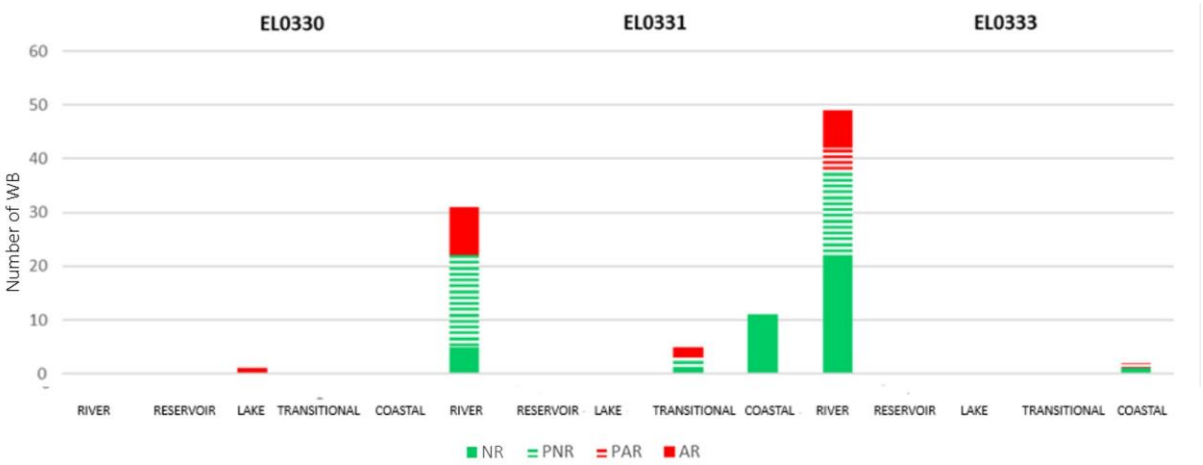


Figure 5-3. Risk assessment of failing to achieve surface water objectives in River Basins (EL0330), (EL0331) and (EL0333)

Table 5-12. Statistical data on the risk assessment of failing to achieve surface water bodies objectives of the Tripoli Plateau RB (EL0330) - Number of WB

	Risk assessment categories								
	NR		PNR		PAR		AR		Total
WB Type	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num
RIVER	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
RESERVOIR	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
LAKE	0	0,00%	0	0,00%	0	0,00%	1	100,00%	1
TRANSITIONAL	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
COASTAL	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
RB TOTAL	**0**	**0,00%**	**0**	**0,00%**	**0**	**0,00%**	**1**	**100,00%**	**1**

Table 5-13. Statistical data on the risk assessment of failing to achieve surface water bodies objectives of the Argolic Gulf Streams RB (EL0331) - Number of WB

	Risk assessment categories								
	NR		PNR		PAR		AR		Total
WB Type	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num
RIVER	5	16,13%	17	54,84%	0	0,00%	9	29,03%	31
RESERVOIR	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
LAKE	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
TRANSITIONAL	1	20,00%	2	40,00%	0	0,00%	2	40,00%	5
COASTAL	11	100,00%	0	0,00%	0	0,00%	0	0,00%	11
RB TOTAL	**17**	**36,17%**	**19**	**40,43%**	**0**	**0,00%**	**11**	**23,40%**	**47**

Table 5-14. Statistical data on the risk assessment of failing to achieve surface water bodies objectives of the Evrota RB (EL0333) - Number of WB

	Risk assessment categories								
	NR		PNR		PAR		AR		Total
WB Type	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num	WB Percentage (%)	WB Num
RIVER	22	44,90%	16	32,65%	4	8,16%	7	14,29%	49
RESERVOIR	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
LAKE	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
TRANSITIONAL	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
COASTAL	1	50,00%	0	0,00%	1	50,00%	0	0,00%	2
RB TOTAL	**23**	**45,10%**	**16**	**31,37%**	**5**	**9,80%**	**7**	**13,73%**	**51**

5.7.2 Impact assessment on groundwater bodies

The following tables present the qualitative and quantitative status of the GWB in each RB of the RBD of Eastern Peloponnese.

Table 5-15. Qualitative and quantitative status of groundwater bodies in the Tripoli Plateau RB (EL0330).

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0300010	Systima Kandilas	Good	NO	Good	No	Local
EL0300030	Systima oropediou Tripolis	Good	YES	Bad	Exceedances in NO_3. Locally increased SO_4 values	Local

Note: *The "-" symbol, if it appears, indicates that no level drop can be ensured due to lack of data for the specific GWB.*

Table 5-16. Qualitative and quantitative status of groundwater bodies in the Argolic Gulf Streams RB (EL0331)

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0300020	Systima An. Arkadias - Dyt. Argolidas	Good	No	Good	Locally elevated Cl values	Local
EL0300040	Systima Argolikou Pediou	Bad	No	Bad	Exceedances in NO_3 and Cl values. Locally increased SO_4 values	Local
EL0300050	Systima Mavrovouniou - Didymon	Good	No	Bad	Exceedances in NO_3 values. Locally increased Cl and SO_4 values	Local
EL0300060	Systima Troizinias	Bad	No	Bad	Exceedances in NO_3 values. Locally increased Cl values	No
EL0300070	Systima Ermionis	Good	No	Bad	Exceedances in Cl and SO_4 values	No
EL0300080	Systima Portocheliou	Bad	No	Bad	Exceedances in NO_3 and Cl values	Local
EL0300090	Systima Astrous	Bad	No	Bad	Exceedances in Cl values. Locally increased NO_3 and SO_4 values	Local
EL0300100	Systima Parnona	Good	No	Good	Locally increased NO_3, Cl and SO_4 values	Local

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0300110	Systima Zaraka - Monemvasias	Good	No	Good	Locally increased Cl values	Local
EL0300120	Systima Notioanatolikis Lakonias	Good	-	Good	Locally increased Cl values	No
EL0300130	Systima Neapolis	Bad	No	Bad	Exceedances in NO_3 and Cl values	No
EL0300140	Systima Kythiron	Good	YES	Good	No	No
EL0300150	Systima Asopou-Glykovrysis	Bad	No	Bad	Exceedances in NO_3, Locally increased Cl and SO_4 values	Local
EL0300280	Systima Antikythiron	Good	-	Good	No	No
EL0300290	Systima Elafonisou	Good	-	Good	No	No
EL0300300	Systima Spetson	Good	-	Good	No	No
EL0300310	Systima Ydras	Good	-	Good	No	No
EL0300320	Systima Porou	Good	-	Good	No	No
EL0300330	Systima Methanon	Good	-	Good	No	No
EL0300340	Systima Neogenon Maladreniou	Good	No	Good	No	No

***Note**: The "-" symbol, if it appears, indicates that no level drop can be ensured due to lack of data for the specific GWB.*

Table 5-17. Qualitative and quantitative status of groundwater bodies in Evrota RB (EL0333)

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0300160	Systima Gerakiou - Gkoritsas	Good	No	Good	No	No
EL0300170	Systima Elous- Vasilopotamou	Good	No	Good	Locally increased NO_3 and Cl values	No
EL0300180	Systima Skalas	Good	No	Good	No	No
EL0300190	Systima Krokeon - Gytheiou	Good	-	Good	Locally increased Cl values	No
EL0300200	Systima p.Vardounia (p.Platy)	Good	YES	Good	No	Local
EL0300210	Systima Skoutariou	Good	No	Good	No	Local
EL0300220	Systima Anat. Taygetou - Ag. Marinas	Good	-	Good	Locally increased SO_4 values	No
EL0300230	Systima Evrota	Good	No	Good	Locally increased NO_3 values	Local
EL0300240	Systima Ag.Petrou-Voutianon	Good	-	Good	No	No
EL0300250	Systima Zorou - Sellasias	Good	-	Good	No	No
EL0300260	Systima Pellanas - Skortsinou	Good	-	Good	No	No
EL0300270	Systima Kollines - Vlachokerasias	Good	-	Good	No	No

***Note:** The "-" symbol, if it appears, indicates that no level drop can be ensured due to lack of data for the specific GWB.*

6 ECONOMIC ANALYSIS OF WATER USE

The economic analysis of water uses is carried out in accordance with the applicable legislation and the specific guidelines of the General Directorate for Water.

6.1 The Financial Cost of water services and its recovery in the Water District

6.1.1 Recovery of financial costs of water supply, drainage and sewage treatment services

The recovery rate of the financial costs in the water supply service, wastewater drainage and sewerage treatment, per River Basin (RB), for the Providers of the RBD who provided complete data, is calculated in the table below, after taking into account private boreholes with a recovery rate of 100%.

Table 6-1. Water supply, wastewater drainage and sewerage treatment service: Recovery % of financial costs per River Basin (RB) – Providers and private boreholes, 2020, (water quantities in thousand m^3)

RB	PROVIDERS WITH FULL DATA AVAILABLE PER RB		PRIVATE DRILLING		PROVIDERS WITH FULL DATA AVAILABLE PER RB AND PRIVATE DRILLING	
	Consumption (10^3 m^3)	% of financial cost recovery	Consumption (10^3 m^3)	% of financial cost recovery	Consumption (10^3 m^3)	% of financial cost recovery
RB EL0330 Tripoli Plateau	2.993,55	70,89%	1.239,68	100,00%	4.233,23	79,42%
RB EL0331 Argolic Gulf Streams	6.772,70	90,73%	9.792,44	100,00%	16.565,13	96,21%
RB EL0333 Evrota River	2.287,50	66,95%	5.123,83	100,00%	7.411,33	89,80%
TOTAL RBD 03	**12.053,74**	**82,53%**	**16.155,95**	**100,00%**	**28.209,69**	**92,54%**

The financial cost recovery rate of the RBD Providers, who provided complete data including private boreholes, is 92,54% (RB EL0330: 79,42%, RB EL0331: 96,21% and RB EL0333: 89,80%).

The recovery rate in the Eastern Peloponnese RBD (EL03) for all Providers[2], including private boreholes, is estimated at 91,92% (RB EL0330: 83,01%, RB EL0331: 95,55% and RB EL0333: 87,19%).

6.1.2 Recovery of financial costs of water supply service for agricultural use

The recovery rate of the financial cost in the water supply service for agricultural use, per River Basin (RB), of the RBD Providers who provided complete data, is calculated in the table below, after incorporating private boreholes with a recovery rate of 100%.

[2] After estimates by the experts for the missing elements.

Table 6-2. Agricultural water service: Recovery (%) of financial costs by River Basin (RB) – providers and private boreholes, 2020 (water quantities in 10^3 m^3)

RB	PROVIDERS WITH FULL DATA AVAILABLE PER RB		PRIVATE BOREHOLES		PROVIDERS WITH FULL DATA AVAILABLE PER RB AND PRIVATE BOREHOLES	
	Consumption (10^3 m^3)	% of financial cost recovery	Consumption (10^3 m^3)	% of financial cost recovery	Consumption (10^3 m^3)	% of financial cost recovery
Tripoli Plateau (EL0330)	7.690,27	90,66%	11.038,84	100,00%	18.729,11	96,16%
Argolic Gulf Streams (EL0331)	16.901,21	90,47%	189.618,88	100,00%	206.520,09	99,22%
Evrota River (EL0333)	4.675,54	89,39%	60.711,83	100,00%	65.387,37	99,24%
TOTAL EL03	**29.267,02**	**90,34%**	**261.369,55**	**100,00%**	**290.636,57**	**99,03%**

The recovery rate of the financial cost of the Water Providers, for agricultural use, who provided complete data including private boreholes is 99.03% (RB EL0330 Tripoli Plateau: 96.16%, RB EL0331 Argolic Gulf Streams: 99.22% and RB EL0333 Evrota River: 99.24%).

The financial cost recovery rate for all Providers[3], for Agricultural use, including private boreholes in the RBD is estimated at 99.01% (RB EL0330: 96.16%, RB EL0331: 99.21% and RB EL0333: 98.86%).

6.2 Environmental and resource cost

6.2.1 Environmental and resource cost recovery for the year 2020

For the Water District of Eastern Peloponnese:

- In the Tripoli Plateau RB (EL0330) and in the Evrota RB (EL0333), the estimates of the environmental cost and resource cost were made in accordance with the RBMP and the Decision No. 71469 / 11.05.2020 of the Peloponnese Water Directorate that was issued for the year 2020.
- In the Argolic Gulf Streams RB (EL0331), the assessment of the environmental cost and resource cost was carried out in accordance with the RBMP and the Decision that was issued with No. 71462 / 11.05.2020. of the Peloponnese Waters Directorate for the year 2020.

Environmental and resource cost recovery is assumed to be 100%.

6.2.2 Environmental and resource cost, 2024-2027.

The results of the analysis for the environmental cost and resource cost in RBD EL03 per RB and water use are presented below.

[3] After estimates by the experts for the missing data

Table 6-2. Environmental cost and resource cost in RBD EL03 (€), 2024-2027

RB	Environmental cost		Resource cost	
	Annual (€)	Unit (€/m³)	Annual (€)	Unit (€/m³)
Tripoli Plateau (EL0330)	0	0,00000	0	0,00000
Argolic Gulf Streams (EL0331)	208.750	0,00084	98.750	0,00040
Evrota River (EL0333)	28.750	0,00034	0	0,00000
Total RBD EL03	**237.500**	**0,00067**	**98.750**	**0,00028**

The distribution of environmental cost and resource cost per water use in RBD EL03 is shown in the table below.

Table 6-3. Distribution of environmental cost and resource cost per water use per RB of the RBD EL03 (€), 2024-2027

	Environmental cost			Resource cost		
	Water supply (domestic and other uses)	Agricultural use (agriculture-livestock)	Industry	Water supply (domestic and other uses)	Agricultural use (agriculture-livestock)	Industry
Tripoli Plateau RB (EL0330)						
Usage participation (%) in total annual cost						
Annual Cost per use (€)	0	0	0	0	0	0
Annual Unit Cost (€/m^3)	0,00000	0,00000	0,00000	0,00000	0,00000	0,00000
Argolic Gulf streams RB (EL0331)						
Usage participation (%) in total annual cost	3,4%	93,5%	3,1%	6,7%	93,3%	0,0%
Annual Cost per use (€)	7.039	195.136	6.575	6.663	92.087	0
Annual Unit Cost (€/m^3)	0,00044	0,00088	0,00065	0,00042	0,00042	0,00000
Evrota River RB (EL0333)						
Usage participation (%) in total annual cost	13,0%	84,4%	2,6%			
Annual Cost per use (€)	3.750	24.254	746	0	0	0
Annual Unit Cost (€/m^3)	0,00069	0,00032	0,00032	0,00000	0,00000	0,00000
Total (EL03)						
Usage participation (%) in total annual cost	4,5%	92,4%	3,1%	6,7%	93,3%	0,0%
Annual Cost per use (€)	10.789	219.390	7.321	6.663	92.087	0
Annual Unit Cost (€/m^3)	0,00044	0,00069	0,00051	0,00027	0,00029	0,00000

7 ENVIRONMENTAL OBJECTIVES – EXEMPTIONS

The following tables summarize the status objectives for surface and underground WB. The objectives set for the WB take into account the assessment of the WD status, the efficiency of the proposed Program of Measures and the possibility given by the Directive for deviations under specific conditions.

7.1 Objectives for surface water bodies

The table below summarizes the targets set for the 99 SWB of the RBD up to 2027 and beyond:

- For 69 NAT the objective is no deterioration of good ecological and chemical status and for 4 HMWB the objective is no deterioration of Good Ecological Potential (GEP) and good chemical status
- For 1 NAT the objective is achievement of good ecological and chemical status
- For 18 NAT the objective is achievement of good ecological status and no deterioration of good chemical status
- For 1 AWB and 6 HMWB the objective is to achieve the GEP provided that mitigation measures are implemented
- For 1 AWB and 5 HMWB the objective is no deterioration of good chemical status
- For 1 HMWB the objective is achievement of good chemical status

Of the above SWB, a total of 9 fall under article 4.4 for deadline extension and 10 under article 4.5 for less strict environmental objectives, and the conditions under which Independent Objectives will be set are defined.

Table 7-1. Surface water bodies objectives up to 2027

Objectives	Num of SWB
No deterioration of Good ecological status/ GEP	73
No deterioration of Good chemical status	97
Achievement of Good ecological status/ GEP	26
Achievement of Good chemical status	2
Subject to article 4.4	9
Subject to Article 4.5	10
Subject to article 4.6	0
Subject to article 4.7	0

7.2 Objectives for groundwater bodies

The table below summarizes the objectives set for the GWB of the WD:

- For 28 GWB the objective is no deterioration of Good quantitative status
- For 25 GWB the objective is no deterioration of Good chemical status
- For 9 GWB the objective is achievement of Good chemical status whenever the natural hydrogeological conditions allow after 2027
- For 6 GWB the objective is achievement of Good quantitative status after 2027

Table 7-2. Groundwater bodies objectives after 2027

Objective	Num of Ground WB
No deterioration of Good quantitative status	28
No deterioration of Good chemical status	25
Achievement of Good quantitative status	6
Achievement of Good qualitative status	9
Subject to article 4.4	9
Subject to article 4.5	0
Subject to article 4.6	0
Subject to article 4.7	0

7.3 Exemptions

The following tables summarize the exemptions for the Eastern Peloponnese River Basin District (EL03).

Table 7-3. Summary of exemptions to Article 4.4 (deadline extension) for the Eastern Peloponnese RBD (EL03)

Kind of Exemption	Reasons of Exemption	Exemption		Num of WB
		Category	Subcategory	
Ecological Status of SWB	Technical Feasibility	Article 4.4 / Deadline extension	Solving the problem requires more time than is available	9
Chemical Status of SWB	Technical Feasibility	Article 4.4 / Deadline extension	Solving the problem requires more time than is available.	1
Quantitative status of GWB	Natural Conditions	Article 4.4 / Deadline extension	Natural hydrogeological conditions	6
Chemical Status of GWB	Natural Conditions	Article 4.4 / Deadline extension	Natural hydrogeological conditions	9

Table 7-4. Exemptions of the Article 4.5 (less strict objectives) for the Eastern Peloponnese RBD (EL03)

Kind of Exemption	Reasons of Exemption	Exemption		Num of SWB
		Category	Subcategory	
Ecological Status of SWB	Technical Feasibility	Article 4.5 / Less strict objectives	Solving the problem requires more time than is available	8
			There is no information about the cause of the problem and therefore the solution cannot be dectected	2
Chemical Status of SWB	-	Article 4.5 / Less strict objectives	-	-

8 PROGRAM OF MEASURES

The program of measures is part of the RBMP, constitutes the "mechanism" for achieving the environmental objectives set in it and aims:

- in the prevention of deterioration, the improvement and the remediation of surface water bodies, the achievement of the objective of Good ecological and chemical status thereof, and the mitigation of pollution due to discharge and emission of hazardous substances
- to protect, improve and restore the status of groundwater bodies, to prevent their pollution and deterioration with the aim of balancing abstractions and discharges
- in the conservation of protected areas.

The measures are divided into Basic and Supplementary.

The Basic Measures, according to paragraph 3 of Article 11 of the Directive, are the minimum requirements that must be met and include:

- Measures for the implementation of Community and National Legislation on water protection (Group I).
- Other Basic Measures (Group II). These basic measures are related to the basic principles of EU and National legislation on water management and are related to the horizontal implementation of actions in groups, usually, of water bodies with the aim of achieving or maintaining their Good status.

The Supplementary Measures are the measures established and implemented in addition to the Basic Measures, in order to achieve the objectives defined in accordance with Article 4 of the 2000/60/EC Directive. Member States may introduce further supplementary measures with a view of additional protection or improvement of the water bodies covered by the Directive.

8.1 Implementation progress of the program of measures of the 1st RBMP Update

The program of measures of the 1st Update of the RBMP for the River basin District of Eastern Peloponnese (EL03) included 10 Basic Measures of Group I, 36 Basic Measures of Group II and 30 Supplementary Measures.

The following tables give the number of Basic (Group II) and Supplementary Measures per measure category, as defined in the context of the 1st RBMP Update.

Table 8-1. Number of Basic Measures (Group II) of 1st RBMP Update for the Water River Basin of Eastern Peloponnese (EL03)

BASIC MEASURES CATEGORY (GROUP II)	MEASURES NO
Measures to implement the cost recovery principle of Water Services (Article 9)	4
Measures to promote the efficient and sustainable use of water so as to not jeopardize the achievement of the objectives of the Directive (Article 4)	8
Measures for the protection of waters intended for human consumption (Article 7)	4
Control measures for surface and groundwater abstraction and surface water storage	2
Measures to control and authorize the artificial recharge of GWB	2
Measures for point source pollution	4
Measures for point & diffuse source pollution	1
Measures for diffuse source pollution	3
Measures to confront negative impacts on the status of surface water bodies, particularly due to hydromorphological modifications	6
Measures for priority substances and other pollutants	2

Table 8-2. Number of Supplementary Measures (Group II) of the 1st RBMP Update for the Water River Basin of Eastern Peloponnese (EL03)

SUPPLEMENTARY MEASURES CATEGORY	MEASURES
Administrative Measures	2
Economic or fiscal measures	2
Emissions control	5
Abstraction control	10
Desalination plants	1
Artificial recharge of GWB	3
Educational measures	3
Research, development and demonstration projects	4

The progress of implementing the measures of the 1st Update of the RBMP is directly affected by:

- The time available from the approval of the 1st RBMP Update to today, approximately 5 years, which is relatively short for the full implementation of certain actions that require significant maturation time.
- The economic conditions that prevailed in the country during this period, which led to limited rates of allocation of the necessary funds for the measures' implementation.
- The available resources (human and financial) of the competent bodies for the measures' implementation.

The following were recorded as the main problems regarding the implementation of the Program of Basic and Supplementary measures:

- Financing problems
- Administrative difficulties
- Problems related to the prioritization of measures, as well as the role of implementing bodies.

The course of implementation of the measures of the 1st Update of the RBMP is summarized in the tables below.

Table 8-3. Completion stage of Basic Protection Measures (Group I)

Directive	Planned actions	Implementing Bodies	Implementation status
Bathing water Directive (2006/7/EC)	• **BO11:** Continue to monitor the quality of bathing water in accordance with Directive 2006/7/EC. • **BO12:** Updating the Greek Bathing Water Profiles Registry	General Directorate for Water, Water Directorate of the Decentralized Administration	Under implementation
Habitats Directive (92/43/EEC) **Birds Directive (2009/147/ EC)**	• **BO21:** Setting /Approval of Management Plans for protected areas of Natura 2000 network related with water management issues. • **BO22:** Monitoring/Assessment of the conservation status of habitats and species directly depending on water in Natura 2000 areas.	Ministry of Environment and Energy, Protected Areas Management Bodies	To be implemented
Drinking water (2020/2184/EC)	• **BO31:** Monitoring of the implementation of the Directive	Ministry of Health	Under implementation

Directive	Planned actions	Implementing Bodies	Implementation status
Environmental Impact Assessment Directives (Directives 2011/92/EC, 2014/52/EC)	• BO41: Amendment of the Ministerial Decision 170225/27.01.2014 (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 determined beforehand, the following are made mandatory: 1. Pollutant emissions by category, 2. Calculation of pollution impacts on the WB defined in the Management Plans and 3. Comparison of these concentrations with the Environmental Quality Standards. 4. Preparation of a monitoring program and notification of results to the relevant Water Directorate.	Ministry of Environment and Energy	Under implementation
Industrial Emissions Directive IED 2010/75/EC)	• BO51: Keeping registration and records of installations that are in line with the provisions of the Directive	Decentralized Administration	To be implemented
Nitrates Directive (91/676/EC)	• BO61: Implementation of the Action Plans, established on the basis of the study on the drafting of Action Plans in all the Vulnerable Zones of the Country, and which have been institutionalized by the Ministry of Rural Development and Food.	Ministry of Rural Development and Food	Under implementation
	• BO62: Systematic monitoring of nitrate levels in WBs that are or may be subject to nitrification.	General Directorate for Water, Ministry of Rural Development and Food	Under implementation
Plant Protection Products (Directive 2009/128/EC, Regulation (EU) No. 1107/2009, Regulation (EU) No. 652/2014)	• BO71: Rational use of plant protection products	Ministry of Rural Development and Food	Under implementation
Major accidents (Seveso) Directive (2012/18/EC)	• BO81: Keeping registration and records of installations that are in line with the provisions of the Directive.	Decentralized Administration	To be implemented
Sewage sludge Directive (86/278/EEC)	• BO91: 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	Ministry of Environment and Energy	To be implemented

Directive	Planned actions	Implementing Bodies	Implementation status
	replacement of Joint Ministerial Decision 80568/4225/1991 and promotion of actions related to the safe disposal of treated sludge.		
Urban Wastewater Treatment (Directives 91/271/EEC and 98/15/EC, Regulation (EU) No. 741/2020)	• **BO101:** Completion of sewerage and wastewater treatment projects of the settlements that fall under the provisions of the Directive	Region, MEWSS, Municipalities	Under implementation
	• **BO102:** Strengthening actions to control the effective operation of existing wastewater treatment and drainage projects.	Region	Under implementation

Table 8-4. Summary table of progress of completion of Basic and Supplementary Measures programs (1st Update of the RBMP) in EL03

Basic Measures			
Not implemented	To be implemented	Under Implementation	Total
22	4	7 + 3	36
Supplementary Measures			
Not implemented	To be implemented	Under Implementation	Total
28	0	2	30

Table 8-5. Number of Basic and Supplementary Measures (1st RBMP Update) that have been completed by measure category in EL03

Measure Category	EL03
Reconstitution and restoration of wetland areas	
Administrative measures	
Educational measures	
Pumping control	
Emissions control	1
Abstractions control	
Research, development and demonstration projects	1
Other Measures	
Efficiency and reuse measures	
Measures to confront negative impacts on the status of surface water bodies, particularly due to hydromorphological modifications	2
Measures to implement the cost recovery principle of Water Services (Article 9)	
Measures for the protection of waters intended for human consumption (Article 7)	1
Measures to promote the efficient and sustainable use of water so as to not jeopardize the achievement of the objectives of the Directive (Article 4)	2
Measures for diffuse source pollution	2
Measures for priority substances and other pollutants	1
Measures for point and diffuse source pollution	
Measures for point source pollution	1
Measures to control and authorize the artificial recharge of GWB	
Demand management measures	
Control measures for surface and groundwater abstraction and surface water storage	1
TOTAL	**12**

8.2 Program of basic and supplementary measures of the 2nd Update of the RBMP

8.2.1 Actions implementing EC Directives (Group I Basic Measures)

The planned actions for the implementation of EC Directives Annex VI of Directive 2000/60/EC (as amended and in force) into National Law are presented in the following table.

DIRECTIVE	INCORPORATION IN NATIONAL LAW
Bathing water Directive (2006/7/EC)	JMD 8600/416/E103/23.02.2009 (Government Gazette 356/B/2009) regarding the "quality and measures of bathing water management, in compliance with the provisions of Directive 2006/7/EC "regarding the management of the quality of bathing waters and the repeal of Directive 76/160/EEC", as amended by article 18 of Government Decree 145116/8.3.2011 (Government Gazette B' 354/8.3.2011) "Determining measures, conditions and procedures for the reuse of treated liquid waste and other provisions".
Habitats Directive (92/43/EEC) Birds Directive (2009/147/EC)	JMD 33318/3028/11.12.1998 (Government Gazette B' 1289) "determining measures and procedures for the conservation of natural habitats (habitats) as well as wild fauna and flora" and its amendment JMD 14849/853/E103/11.04 .2008 (Government Gazette B' 645) in compliance with the provisions of Directive 92/43/EEC "on the conservation of natural habitats as well as wild fauna and flora". JMD 37338/1807/E103/01.09.2010 (Government Gazette B' 1495) "Definition of measures and procedures for the conservation of wild poultry and their habitats, in compliance with the provisions of Directive 79/409/EEC "On conservation of wild birds", of the European Council of April 2, 1979, as codified by Directive 2009/147/EC" and its amendment JMD 8353/276/E103/23.02.2012 (Government Gazette B' 415). Law 3937/31.03.2011 (Government Gazette A' 60) "Conservation of Biodiversity and other provisions" JMD 50743/11.12.2017 (Government Gazette B' 4432) "Update of the national list of areas of the European Ecological Network Natura 2000" Law 4685/07.05.2020 (Government Gazette A' 92) "Modernization of environmental legislation, incorporation into Greek legislation of Directives 2018/844 and 2019/692 of the European Parliament and of the Council and other provisions", as amended by Law 4951/04.07.2022 (Government Gazette A' 129), Law 4964/30.07.2022 (Government Gazette A' 150), Law 5037/28.03.2023 (Government Gazette A' 58) and Law 5069/28.11.2023 (Government Gazette A' 193).
Drinking water (Directive 2020/2184/EC)	JMD No. D1 (d)/GP 27829/15.05.2023 (Government Gazette B' 3525) "Quality of water for human consumption in compliance with the provisions of Directive (EU) 2020/2184 of the European Parliament and of the Council of 16th December 2020 (L435/1, 23.12.2020)'.
Environmental Impact Assessment Directives (Directives 85/337/EEC, 2011/92/EU, 2014/52/EU)	Law 4014/21.09.2011 (Government Gazette A' 209) "Environmental licensing of projects and activities, regulation of arbitrary in connection with the creation of an environmental balance and other provisions of the competence of the Ministry of the Environment" as amended and in force. MD 5688/21.03.2018 (Government Gazette B' 988) "Amendment of the appendices of Law 4014/21.09.2011 (Government Gazette A' 209), in accordance with Article 36A of this law, in compliance with Directive 2014 /52/EU "amending Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment" of the European Parliament and the Council of April 16, 2014. L. 4936/27.05.2022 (Government Gazette A' 105) "National Climate Law - Transition to climate neutrality and adaptation to climate change, urgent provisions to address the energy crisis and protect the environment".
Pollution Prevention - Control (Directives 96/61/EC, 2008/1/EC, 2010/75/EC)	MD 36060/1155/E.103/14.06.2013 (Government Gazette B' 1450) "Definition of a framework of rules, measures and procedures for the comprehensive prevention and control of environmental pollution from industrial activities, in compliance

DIRECTIVE	INCORPORATION IN NATIONAL LAW
	with the provisions of the 2010 Directive 2010/75/EC "on industrial emissions (integrated pollution prevention and control)" of the European Parliament and of the Council of 24th November 2010"
Protection from nitrate pollution (Directive 91/676/EEC)	JMD 16190/1335/19.05.1997 (Government Gazette B' 519) "Measures and conditions for the protection of waters from nitrate pollution of agricultural origin" MD co. 19652/1906/05.08.1999 (Government Gazette B' 1575) "Determination 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 No. 16190/1335 /1997 joint ministerial decision "Measures and conditions for the protection of waters from nitrate pollution of agricultural origin" (B 519). Amendment of articles 3, 4, 5 and 8 of this decision" as amended by MD 20419/2522/18.09.2001 (Government Gazette B' 1212), MD 24838/1400/E103/19.06.2008 (Government Gazette B' 1132), MD 106253/24.11.2010 (Government Gazette B' 1843), MD 190126/23.04.2013 (Government Gazette B' 983), MD 147070/02.12.2014 (Government Gazette B' 3224) and is valid. JMD IPEN/38552/265/03.05.2019 (Government Gazette B' 1496) "Action Program for areas that have been characterized as vulnerable zones from nitrate pollution of agricultural origin in accordance with article 2 of co. 19652/1906/05.08.1999 joint ministerial decision (Government Gazette B' 1575), as applicable, in compliance with Directive 91/676/EEC "on the protection of waters from nitrate pollution of agricultural origin" of the Council of December 12, 1991 of the European Communities", as amended and in effect. MD 1848/278812/20.10.2021 (Government Gazette B' 4855) "Code of Good Agricultural Practice for the Protection of Waters from Nitrate Pollution of Agricultural Origin" (article 10 paragraph 1)
Plant Protection Products (Directive 2009/128/EC, as amended by 2019/782/EC, Regulation (EU) No. 1107/2009, Regulation (EU) No. 652/2014)	Law 4036/27.01.2012 (Government Gazette A' 8) "Availability of agricultural medicines on the market, their rational use and related provisions" as amended and in force. Law 4625/31.08.2019 (Government Gazette A' 139) "Regulations of the Ministry of Infrastructure and Transport and other urgent provisions" [Article 19 includes the amendment of Annex E of Law 4036/27.01.2012 (Government Gazette A' 8) , in compliance with Directive (EC) 2019/782 (Articles 1 and 2 of Directive 2019/782/EC)]
Major accidents (Seveso) Directive (2012/18/EC)	JMD 172058/17.02.2016 (Government Gazette B' 354) "Definition of rules, measures and conditions for dealing with risks from large-scale accidents in facilities or units, due to the existence of dangerous substances, in compliance with the provisions of Directive 2012/18/EC "to address the risks of major accidents involving dangerous substances and to amend and subsequently repeal Council Directive 96/82/EC" of the European Parliament and of the Council of 4 July 2012. Replacement of No. 12044 /613/19.03.2007 (Government Gazette B' 376), as corrected (Government Gazette B' 2259)"
Sewage sludge (Directives 86/278/EEC, 2018/853/EC, Regulation 2019/1010/EC)	JMD MEE/DDA/41828/630/21.04.2023 (Government Gazette B' 2692) "Measures, conditions and procedures for the use of treated sludge in agriculture and soil restoration - Compliance with the provisions of Directive 86/278/EEC of the Council of 12 June 1986 "on the protection of the environment and in particular the soil when using sewage treatment sludge in agriculture", as amended by Regulation (EC) 2019/1010 of the European Parliament and of the Council of 5 June 2019 and replacement of under no. 80568/4225/07.08.1991 (B' 641) of joint ministerial decision".
Urban Wastewater Treatment (Directives 91/271/EEC and 98/15/EC, Regulation (EU) No. 741/2020)	JMD 5673/400/05.03.1997 (Government Gazette B' 192) "Measures and conditions for the treatment of urban wastewater" and its amending decisions MD 19661/1982/02.08.1999 (Government Gazette B' 1811), MD 48392/939 /28.3.2002 (Government Gazette B' 405) and JMD MEE/136843/31.12.2022 (Government Gazette B' 7215)

The planned actions for the implementation of the European and National Legislation for water protection are presented in the following Table.

Table 8-6. Actions in implementation of EC Directives

DIRECTIVE	PLANNED ACTIONS	IMPLEMENTING BODIES
Bathing water Directive (2006/7/EC)	• **BO11:** Continue to monitor the quality of bathing water in accordance with Directive 2006/7/EC.	General Directorate for Water, Directorate of Water of the Decentralized Administration
	• **BO11:** Continue to monitor the quality of bathing water in accordance with Directive 2006/7/EC.	
Habitats Directive (92/43/EEC) Birds Directive (2009/147/EC)	• **BO21:** Setting /Approval of Management Plans for protected areas of Natura 2000 network related with water management issues.	Ministry of Environment and Energy, Protected Areas Management Bodies
	• **BO22:** Monitoring/Assessment of the conservation status of habitats and species directly depending on water in Natura 2000 areas.	
Drinking water (2020/2184/EC)	• **BO31:** Monitoring of the implementation of the Directive	Ministry of Health
Environmental Impact Assessment Directives (Directives 2011/92/EC, 2014/52/EC)	• **BO41**: Amendment of the Ministerial Decision 170225/27.01.2014 (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 determined beforehand, the following are made mandatory: 1. Pollutant emissions by category, 2. Calculation of pollution impacts on the WB defined in the Management Plans and 3. Comparison of these concentrations with the Environmental Quality Standards. 4. Preparation of a monitoring program and notification of results to the relevant Water Directorate.	Ministry of Environment and Energy
Industrial Emissions Directive IED 2010/75/EC)	• **BO51:** Keeping registration and records of installations that are in line with the provisions of the Directive	Decentralized Administration
Nitrates Directive (91/676/EC)	• **BO61:** Implementation of the Action Plans, established on the basis of the study on the drafting of Action Plans in all the Vulnerable Zones of the Country, and which have been institutionalized by the Ministry of Rural Development and Food.	Ministry of Rural Development and Food
	• **BO62:** Systematic monitoring of nitrate levels in WBs that are or may be subject to nitrification.	General Directorate 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)	• **BO71:** Rational use of plant protection products	Ministry of Rural Development and Food
Major accidents (Seveso) Directive (2012/18/EC)	• **BO81:** Keeping registration and records of installations that are in line with the provisions of the Directive.	Decentralized Administration
Sewage sludge Directive (86/278/EEC)	• **BO91:** 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
Urban Wastewater Treatment (Directives 91/271/EEC and 98/15/EC, Regulation (EU) No. 741/2020)	• **BO101:** Completion of sewerage and wastewater treatment projects of the settlements that fall under the provisions of the Directive	Region, MEWSS, Municipalities
	• **BO102:** Strengthening actions to control the effective operation of existing wastewater treatment and drainage projects.	Region

8.2.2 Basic Measures of other categories (Group II of Basic Measures)

The Basic Measures of Group II for the River Basin District of Eastern Peloponnese (EL03) are listed in the Table below.

Table 8-7. Basic Measures of other categories

CODE – NAME OF MEASURE	CATEGORY	CONNECTION WITH 1ST RBMP UPDATE	IMPLEMENTING BODIES	IMPLEMENTATION STATUS
M03B0204 Training and expertise of all the stakeholders (Decentralized Administrations, Regions, and water service providers), which deals with pricing and costing rules for water supply services	Measures to implement the cost recovery principle (Article 9)	Continuing Measure (modification of title and description)	Ministry of Environment & Energy (General Directorate for Water)	To be implemented as part of the 2nd Update of the RBMP
M03B0301 Preparation / Update of General Water Supply Plans (Masterplan)	Measures to promote the efficient and sustainable use of water so as not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuing Measure (modification of description)	Potable water service providers (MEWSS, Municipalities, etc.) / Dec. Administration (General Directorate for Water)	To be implemented as part of the 2nd Update of the RBMP
M03B0302 Actions for the reinforcement, rehabilitation, modernization of water supply networks and leakage control	Measures to promote the efficient and sustainable use of water so as not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuing Measure (modification of description)	Potable water service providers (MEWSS, Municipalities, etc.) / Dec. Administration (General Directorate for Water)	Under implementation
M03B0303 Increase of the efficiency of water use in land reclamation infrastructure	Measures to promote the efficient and sustainable use of water so as not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuing Measure (modification of description)	Ministry of Rural Development & Food, SDM/PRD, SDM/RP, Region	To be implemented as part of the 2nd Update of the RBMP
M03B0304 Investments for saving water in agriculture	Measures to promote the efficient and sustainable use of water so as not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuing Measure	Individuals / Ministry of Rural Development and Food / Regions	Not implemented
M03B0305 Determination of maximum irrigation requirements for crops for private water abstractions	Measures to promote the efficient and sustainable use of water so as not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuing Measure (modification of description)	Decentralized Administration (Water Directorate), Region (Directorate of Rural Economy and Veterinary Medicine)	Not implemented

CODE – NAME OF MEASURE	CATEGORY	CONNECTION WITH 1ST RBMP UPDATE	IMPLEMENTING BODIES	IMPLEMENTATION STATUS
M03B0308 Update of the existing Strategic Plan to Address Water Scarcity and Drought	Measures to promote the efficient and sustainable use of water so as not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuing Measure	Decentralized Administration (Water Directorate), Ministry of Environment and Energy (GDW)	Not implemented
M03B0401 Definition and delimitation of zones and/or measures for the protection of water abstraction points, intended for human consumption from Groundwater Bodies	Measures to protect water intended for human consumption (article 7)	Continuing measure (modification of measure description, including the obligations of Directive 2020/2184/EC)	Potable water service providers (MEWSS, Municipalities, etc.), Decentralized Administration (Directorate for Water in terms of coordinating the implementation of the measure, Directorate of Environment and Spatial Planning), competent environmental authority	Under implementation
M03B0402 Protection of GWBs included in the register of protected areas for human consumption and establishment of an institutional framework of protection	Measures to protect water intended for human consumption (article 7)	Continuing Measure	Decentralized Administration (Directorate for Water), competent environmental authority	Not implemented
M03B0403 Surface water projects for water supply protection	Measures to protect water intended for human consumption (article 7)	Continuing measure (modification of measure description, including the obligations of Directive 2020/2184/EC)	Potable water service providers (MEWSS, Municipalities, etc.) / Decentralized Administration (Directorate for Water), Regional Directorate of Public Health	Not implemented

CODE – NAME OF MEASURE	CATEGORY	CONNECTION WITH 1ST RBMP UPDATE	IMPLEMENTING BODIES	IMPLEMENTATION STATUS
M03B0501 Restrictions, terms and conditions for the construction of groundwater abstraction projects (drillings, wells, etc.) for new uses, as well as extension of existing water use permits to: a) areas of GWBs with Bad quantitative status b) the protection zone II of the abstraction projects serving the water supply networks that are operated by potable water service providers, c) zones of collective irrigation networks d) GWBs of coastal areas with extensive or local salinization problems, regardless of their origin	Control measures for surface and groundwater abstraction and surface water storage	Continuing Measure (modification of measure description)	Decentralized Administration (Water Directorate)	Not implemented
M03B0601 Investigation/determination of the conditions for application of artificial underground aquifer enrichment as a means of quantitative enhancement and quality protection of GWBs, with priority for GWBs in bad condition and/or salinization issues.	Measures to control and authorize the artificial recharge of GWB	Continuing Measure	Region, Municipalities, Decentralized Administration (Water Directorate)	Not implemented
M03B0701 Strengthening environmental inspections and controls	Measures for point source pollution	Continuing Measure	Region	Not implemented
M03B0702 Setting guidelines and development of tools to effectively control of sewerage and industrial wasterwater disposal	Measures for point source pollution	**New measure** to replace the M03B0702 & M03B1102	Ministry of Environment and Energy (General Directorate for Water), Regions	-
M03B0704 Conditions for the licensing of new / extension of existing aquaculture units	Measures for point source pollution	Continuing Measure	Ministry of Environment and Energy, Decentralized Administration, Regions	Under implementation
M03B0705 Preparation of rules for sinkholes protection	Measures for point and diffuse source pollution	Continuing Measure	Decentralized Administration (Water Directorate) regarding the implementation of the Special Hydrogeological Study, Regions (regarding the construction of the works)	Not implemented

CODE – NAME OF MEASURE	CATEGORY	CONNECTION WITH 1ST RBMP UPDATE	IMPLEMENTING BODIES	IMPLEMENTATION STATUS
M03B0801 Biological agriculture	Measures for diffuse source pollution	Continuing Measure (modification of measure description)	Ministry of Rural Development and Food (Directorate of Quality Systems, Organic Production and Geographical Indications)	Under implementation
M03B0803 Reduce diffuse pollution from agriculture in the Nitrate Vulnerable Zones of the Directive 91/676/EEC	Measures for diffuse source pollution	Continuing Measure (modification of measure description)	Ministry of Rural Development and Food / OPEKEPE	Under implementation
M03B0902 Determination of maximum reservoir level fluctuation range	Measures to confront negative impacts on the status of surface water bodies, particularly due to hydromorphological modifications	Continuing Measure (modification of measure description)	Managing Authority, Decentralized Administration (Water Directorate, National Monitoring Network Operating Bodies, Protected Areas Bodies, other scientific bodies)	Not implemented
M03B0905 Determination of selected areas for river sediment deposits removal to meet the needs of technical projects	Measures to confront negative impacts on the status of surface water bodies, particularly due to hydromorphological modifications	Continuing Measure (modification of measure description)	General Directorate for Water, Region (Property Agencies, Municipalities), Decentralized Administration (Water Directorate, Directorate for Environment and Spatial Planning)	Not implemented
M03B0906 Monitoring, recording and rehabilitation of coastal erosion	Measures to confront negative impacts on the status of surface water bodies, particularly due to hydromorphological modifications	Continuing Measure	Ministry of Infrastructure and Transport, Ministry of Maritime Affairs and Insular Policy, Region, Decentralized Administration (Water Directorate), Municipalities, Technical Chamber of Greece	Not implemented

CODE – NAME OF MEASURE	CATEGORY	CONNECTION WITH 1ST RBMP UPDATE	IMPLEMENTING BODIES	IMPLEMENTATION STATUS
M03B0907 Measures to identify and achieve Good Ecological Potential in Heavily Modified Water Bodies	Measures to confront negative impacts on the status of surface water bodies, particularly due to hydromorphological modifications	**New measure,** in continuation of the implemented measure M03B0904 of the 1st Update of the RBMP	Defined on a case-by-case basis	-

8.2.3 Assessment of the possibility of achieving Good status by 2027 after the implementation of the key measures program.

The program of basic measures is a tool for the protection and restoration of all water bodies. In order to achieve the objectives of the River Basin Management Plan, as defined in Chapter 7, it is necessary to support the implementation of the basic measures by supplementary measures.

Methodologically, it was chosen to propose supplementary measures:

a) To maintain the Good status of surface or groundwater bodies, 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 specified.

b) In the water bodies for which it is estimated that, despite the implementation of the program of basic measures, they will not achieve the goal of Good status by 2027, and in particular:

- in water bodies, which, according to measurements of qualitative and quantitative parameters or with the new methodological approach to their grouping, are in a status inferior to Good,
- in water bodies which are in Good condition, but there are clear indications, through the analysis of pressures, that they are at risk of not achieving their environmental objectives.

The measures of case (b) are taken into account for the calculation of the environmental cost and/or resource cost, according to the costing and pricing rules.

The following Table lists the water bodies of River Basin District EL03 for which it is considered necessary to take targeted supplementary measures.

Table 8-8. Water bodies of the Eastern Peloponnese RBD (EL03), for which it is considered necessary to take supplementary measures

CODE	NAME	TYPE	CURRENT SITUATION
EL0331 - Argolic Gulf Streams RB			
EL0331R000201019H	INAHOS R._1	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0331R000202021N	XERIAS R._2	RIVER	MODERATE ECOLOGICAL, LESS THAN GOOD CHEMICAL
EL0331R000203023H	INAHOS R._2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0331R000204024H	DERVENI STREAM_1	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0331R000204025N	DERVENI STREAM_2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0331R000700001A	MARIOREMA STREAM_1	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0331R000700002H	MARIOREMA STREAM_2	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0331T0005N	MOUSTOU WETLAND	COASTAL	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0300040	SYSTIMA ARGOLIKOU PEDIOU	GROUNDWATER	BAD QUANTITATIVE, BAD CHEMICAL
EL0300050	SYSTIMA MAVROVOUNIOU - DIDYMON	GROUNDWATER	GOOD QUANTITATIVE, BAD CHEMICAL
EL0300060	SYSTIMA TROIZINIAS	GROUNDWATER	BAD QUANTITATIVE, BAD CHEMICAL
EL0300070	SYSTIMA ERMIONIS	GROUNDWATER	GOOD QUANTITATIVE, BAD CHEMICAL
EL0300080	SYSTIMA PORTOCHELIOU	GROUNDWATER	BAD QUANTITATIVE, BAD CHEMICAL
EL0300090	SYSTIMA ASTROUS	GROUNDWATER	BAD QUANTITATIVE, BAD CHEMICAL

CODE	NAME	TYPE	CURRENT SITUATION
EL0300130	SYSTIMA NEAPOLIS	GROUNDWATER	BAD QUANTITATIVE, BAD CHEMICAL
EL0300150	SYSTIMA ASOPOU-GLYKOVRYSIS	GROUNDWATER	BAD QUANTITATIVE, BAD CHEMICAL
EL0333 – Evrota RB			
EL0333R000208026N	MAGOULITSA STREAM_1	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000300003N	PLATIS R._3	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL
EL0333R000202011N	RASINA STREAM_1	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0333R000201007N	EVROTAS R._2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000201008N	EVROTAS R._3	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000201009N	EVROTAS R._4	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0333R000201010N	EVROTAS R._5	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000203017N	EVROTAS R._6	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000203018N	EVROTAS R._7	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0333R000205021N	EVROTAS R._8	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000207025N	EVROTAS R._9	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000209029N	EVROTAS R._10	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000211040N	EVROTAS R._11	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000211041N	EVROTAS R._12	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0333R000213043N	EVROTAS R._13	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL

8.2.4 Supplementary measures

The Supplementary Measures for the Eastern Peloponnese River Basin District (EL03) are listed in the following Tables.

Table 8-9. Horizontal supplementary measures

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB	IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M03S0201 Development of a Monitoring Program for the implementation of the PoM of the RBMP in the RBD and provision of supporting services for the implementation of the PoM	Administrative measures	Continuing measure	Horizontal	Decentralized Administration (Water Directorate)	650.000€	Not implemented
M03S0202 Control and management of artesian Wells	Administrative measures	Continuing measure	GWB	Owner of the Abstraction project, Decentralized Administration (Water Directorate)	0€	Not implemented
M03S1501 Professional training of farmers for the protection of Water Bodies	Educational measures	Continuing measure	Horizontal	SDM/PRD, Ministry of Rural Development and Food, Region	146.625€	Not implemented

Table 8-10. Supplementary measures in the Tripoli Plateau RB (EL0330)

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M03S0814 Exploratory monitoring (quantitative) of water inflows into the sinkholes belonging to EL03 and which are proven to be hydraulically connected with the springs of Anavalos, Kiveri, Kefalari, Lerni and Kroi	Abstractions control	**New measure** in RB EL0330	Systima oropediou Tripolis	EL0300030	Decentralized Administration, Region, MEWSS	100.000€	-

Table 8-11. Supplementary measures in the Argolic Gulf Streams RB (EL0331)

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M03S0501 Emission controls at the outlets of stormwater culverts and other point sources of pollution that outflow in surface water bodies (XERIAS R._1)	Emission controls	Continuing Measure (Change Measure Description)	XERIAS R._2	EL0331R000202021N	Municipalities/MEWSS, Decentralized Administration (Water Directory), Ministry of Environment & Energy (General Directorate for Water)	15.000€	Not implemented
M03S0503 Inspections for compliance with the limits of disposal from industrial, processing and livestock-poultry units within the catchment area of the SWB, at least twice a year	Emission controls	Continuing measure	XERIAS R._2 DERVENI STREAM_1 DERVENI STREAM_2 MARIOREMA STREAM_1 INAHOS R._1 INAHOS R._2 MOUSTOU WETLAND	EL0331R000202021N EL0331R000204024H EL0331R000204025N EL0331R000700001A EL0331R000201019H EL0331R000203023H EL0331T0005N	Region, Decentralized Administration	0€	Not implemented
M03S0811 Reduction or replacement of groundwater abstraction from the GWB Systima An. Arkadias – Dyt. Argolidas (EL0300020) and Systima Troizinias (EL0300060) with abstractions from surface WB or other groundwater WB or engineering works (reservoir, dam, desalination)	Abstractions control	Continuing measure (consolidation of M03S0811 and M03S0812 of the 1st RBMP Update)	Systima An. Arkadias – Dyt. Argolidas Systima Troizinias	EL0300020 EL0300060	Ministry of Rural Development and Food, Ministry of Environment and Energy, Decentralized Administration, Region	120.000€	Not implemented
M03S0814 Exploratory monitoring (quantitative) of water inflows into the sinkholes belonging to EL03 and which are proven to be hydraulically connected with the springs of Anavalos, Kiveri, Kefalari, Lerni and Krois	Abstractions control	Continuing measure in the RB EL0331	Systima An. Arkadias – Dyt. Argolidas	EL0300020	Decentralized Administration, Region, MEWSS	150.000€	Not implemented
M03S0815 Preparation of an updated study of the existing projects and studies of the water supply and irrigation needs connected to the sources of Anavalos (Kiveri), Lerni and Kefalari aiming at controlling the abstractions	Abstractions control	Continuing measure (measure description modification)	Systima An. Arkadias – Dyt. Argolidas	EL0300020	Ministry of Rural Development and Food, Ministry of Infrastructure and Transport, MEWSS	200.000€	Not implemented

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M03S0816 Determination and demarcation of GWB areas exhibiting bad qualitative status due to salinization, or exhibiting local salinization and other actions to address the impacts in the GWB of Systima An. Arkadias – Dyt. Argolidas (EL0300020), Systima Argolikou Pediou (EL0300040), Systima Mavrovouniou - Didymon (EL0300050), Systima Troizinias (EL0300060), Systima Ermionis (EL0300070), Systima Portocheliou (EL0300080), Systima Astrous (EL0300090), Systima Neapolis (EL0300130), Systima Asopou-Glykovrysis (EL0300150), Systima Spetson (EL0300300)	Abstractions control	Continuing measure (modification of M03S0801 of the 1st RBMP Update)	Systima An. Arkadias – Dyt. Argolidas Systima Argolikou Pediou Systima Mavrovouniou - Didymon Systima Troizinias Systima Ermionis Systima Portocheliou Systima Astrous Systima Neapolis Systima Asopou-Glykovrysis Systima Spetson	EL0300020 EL0300040 EL0300050 EL0300060 EL0300070 EL0300080 EL0300090 EL0300130 EL0300150 EL0300300	Decentralized Administration (Water Directorate)	900.000€	Not implemented
M03S1402 Programs for artificial aquifer recharge for the GWB Systima Argolikou Pediou (EL0300040), Systima Troizinias (EL0300060) and Systima Astrous (EL0300090)	Artificial recharge of GWB	Continuing measure (consolidation of M03S1402, M03S1403 and M03S1404 of the 1st RBMP Update)	Systima Argolikou Pediou Systima Troizinias Systima Astrous	EL0300040 EL0300060 EL0300090	Ministry of Rural Development and Food, Decentralized Administration, Region	350.000€	Not implemented
M03S1605 Exploratory monitoring program in SWB with status inferior to Good (MARIOREMA STREAM_2)	Research, development and demonstration projects	**New Measure**	MARIOREMA STREAM_2	EL0331R000700002H	Decentralized Administration, Region	25.000€	-

Table 8-12. Supplementary measures in the Evrota River RB (EL0333)

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M03S0501 Emission controls at the outlets of stormwater culverts and other point sources of pollution that outflow in surface water bodies (MAGOULITSA STREAM_1)	Emission controls	Continuing measure (measure description modification)	MAGOULITSA STREAM_1	EL0333R000208026N	Municipalities/MEWSS, Decentralized Administration (Water Directory), Ministry of Environment & Energy (General Directorate for Water)	15.000€	Not implemented
M03S0503 Inspections for compliance with the limits of disposal from industrial, processing and livestock-poultry units within the catchment area of the SWB, at least twice a year	Emission controls	Continuing measure	EVROTAS R._2 EVROTAS R._3 EVROTAS R._4 EVROTAS R._5 EVROTAS R._7 EVROTAS R._8 EVROTAS R._9 EVROTAS R._10 EVROTAS R._11 EVROTAS R._12 EVROTAS R._13 MAGOULITSA STREAM_1 PLATIS R._3	EL0333R000201007N EL0333R000201008N EL0333R000201009N EL0333R000201010N EL0333R000203018N EL0333R000205021N EL0333R000207025N EL0333R000209029N EL0333R000211040N EL0333R000211041N EL0333R000213043N EL0333R000208026N EL0333R000300003N	Decentralized Administration, Region	0€	Not implemented
M03S0803 On-site inspections on licensed abstractions (EVROTAS R._4 and EVROTAS R._9)	Abstractions control	Continuing measure (measure description modification)	EVROTAS R._4 EVROTAS R._9	EL0333R000201009N EL0333R000207025N	Ministry of Environment and Energy, Decentralized Administration, Region	0€	Not implemented
M03S1605 Exploratory monitoring program in SWB with status inferior to Good (RASINA S._1, EVROTAS R._4, EVROTAS R._5, EVROTAS R._6 and EVROTAS R._9)	Research, development and demonstration projects	**New Measure** (includes measure M03S0504 of the 1st RBMP)	RASINA STREAM_1 EVROTAS R._4 EVROTAS R._5 EVROTAS R._6 EVROTAS R._9	EL0333R000202011N EL0333R000201009N EL0333R000201010N EL0333R000203017N EL0333R000207025N	Decentralized Administration, Region	100.000€	-