MINISTRY OF ENVIRONMENT & ENERGY

GENERAL DIRECTORATE FOR WATER

2nd UPDATE OF RIVER BASIN MANAGEMENT PLANS

River Basin District of Western Peloponnese (EL01)

SUMMARY

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2nd Update of the River Basin Management Plan (RBMP) for the River Basin District of Western Peloponnese (EL01)

Management Plan Summary - English version

Final Version

Government Gazette of Approval of the 2nd RBMP Update of the WD of Western Peloponnese (EL01): Government Gazette A' 86 /12.06.2024

2ND UPDATE OF THE RIVER BASIN MANAGEMENT PLAN (RBMP) FOR THE RIVER BASIN DISTRICT OF WESTERN PELOPONNESE (EL01)

MANAGEMENT PLAN SUMMARY - ENGLISH VERSION

CONTENTS

1 INTRODUCTION - 2ND UPDATE OF 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 incorporated into the National Institutional Framework by Law 3199/2003, as amended and in force, and 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 level of the River Basin District (RBD) 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 Western Peloponnese (EL01) was approved by the National Water Commission in 2013 (Government Gazette 1004/B/24.04.2013), while its 1st Update in 2017 (Government Gazette 4678/29.12.2017).

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, pertain to the 3rd Management Cycle (2022-2027).

The 2nd River Basin Management Plan Update of Western Peloponnese (EL01), 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 objectives.
3. Preparation of Monitoring Programs.
4. Gap analysis.
5. Preparation of the Program of Measures.
6. Preparation of the RBD Management Plan of the country.
7. Implementation of the Program of Measures.
8. Evaluation of Program of Measures.
9. Public consultation, active involvement of stakeholders.

For the Western Peloponnese RBD (EL01), 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 Procedure

1.3.1 Consultation Results and their integration into RBMP

The consultation process on the 2nd Update of the River Basin Management Plan for the RBD of Western Peloponnese (EL01) 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 October 26th, 2023, the hybrid consultation day of the Draft River Basin Management Plan of the Western Peloponnese was held in Kalamata. 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 Western Peloponnese (EL01) 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 IN RELATION 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 differentiations in comparison with the 1st RBMP (2nd RBMP)

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 RBD of Western Peloponnese there are differences regarding the number of Water Bodies in relation to the 1st Update of the RBMP.	In the 2nd Update, one (1) new river water body was identified in the RBD EL01 (in the Pamisos - Nedontas - Nedas River Basin, EL0132), which was assigned the code EL0132R002300052N and the name KORYAS_R. 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 were differences in the number of definitively defined HMWB.	In particular, the transitional HMWB EL0129T0002H - KAIAFAS LAGOON with defined use "recreational activities, thermal baths" was definitively identified as HMWB as a result of the re-evaluation of the hydromorphological modifications it has undergone. The results are summarized in Section 4.3 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. Two (2) rivers and 1 coastal WB were removed, as they no longer have aquaculture operations. As far as bathing waters are concerned, 17 new coasts have been added, while 3 new WB have been added to the Register as inland recreational waters (ALFIOS R._7, LADON R._4, LADON R._5). There are no changes regarding sensitive receptors and vulnerable areas. 2 Natura areas were removed from the RPA of RBD EL01, which are now included in the RPA of RBD EL02. Also, 2 Natura areas

Content of 1st Update of RBMP/ Activity	Differentiation in comparison with the 1st RBMP	Brief presentation of the results
		(GR2550010, GR2540009), 1 island wetland (VEN001) and one (1) National Park (NP Helmos – Vouraikos) were added, part of which extends to the WD EL01. The results are summarized in Section 4.4 hereof 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 Western 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. M01B1101 Compilation of pollution sources register (emissions, discharges and leaks) 2. M01B0904 Special measures to achieve Good Ecological Potential in HMWB, 3. M01B0903 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

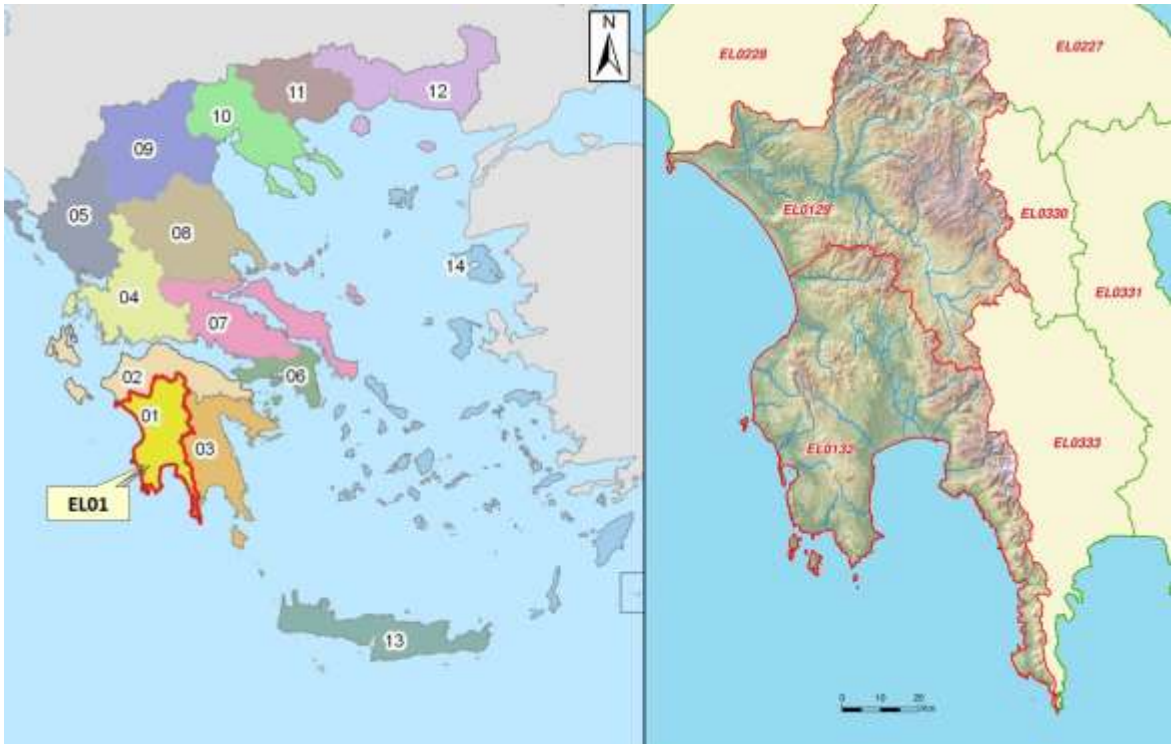
3.1 River Basins

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 Western Peloponnese (EL01) includes the Alfios (EL0129) and Pamisos - Nedontas - Nedas (EL0132) River Basins, as shown in the table and map below.

Table 3-1. River Basins belonging to the River Basin District of Western Peloponnese (EL01)

River Basin	Code	Area (km²)
Alfios	EL0129	3.810
Pamisos - Nedontas - Nedas	EL0132	3.425
Total Area EL01		**7.235**



Map 3-1. River Basin District of Western Peloponnese (EL01)

3.2 Natural Characteristics

The River Basin District of Western Peloponnese extends geographically in the western and southwestern Peloponnese. As far as its physical-geomorphological boundaries are concerned, these are to the north the Erymanthos and Aroania mountains, to the east the mountains of Artemisio, Mainalos and Taygetos, to the south the Messinian Gulf and to the west the Ionian Sea and the Gulf of Kyparissia.

The geomorphological relief of the RBD is mountainous in the eastern and in its interior part with altitudes from 600 to 2400m, hilly and semi-mountainous in its perimeter (100 – 600m) and lowland in

the coastal zones and in the river valleys. The lowland areas cover approximately 13% of the area of the RBD and unfold in the plain of Alfios, in the coastal zone of Pyrgos - Pylos, in the plain of Messinia and in the plateau of Megalopolis.

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 EL01 amounts to ~900mm/year, while the average annual evapotranspiration is estimated at ~595mm/year. The average annual precipitation is slightly reduced compared to the older data of the Ministry of Development (2008), which had a reference period of 1981-2001 (in this case for the RB Alfios (EL0129) the precipitation amounted to 1,058mm/year, while for the RB Pamisos - Nedontas - Nedas (EL0132) at approximately 1,100mm/year). In RBD EL01 most rainfall occurs in the period between October and March, with the wettest month being December and the driest month July.

The main rivers of the RBD Western Peloponnese (EL01) are Alfios and Pamisos. 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 lakes are the artificial lakes of Ladonas and Filiatrino. The coastal waters of RBD EL01 extend along the western and southwestern coastline of the Peloponnese, from the area of Pyrgos to Cape Tainaro. Finally, important transitional waters (lagoons, river estuaries, etc.) are found in the RBD, some of which are of supralocal importance and protected by international conventions. The main ones are Kaiafas and Gialova lagoons.

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 Western Peloponnese (EL01).

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)
Alfios (EL0129)	Peloponnese (53,72%) Western Greece (46,28%)	Decentralized Administration of Peloponnese, Western Greece and the Ionian Sea
Pamisos – Nedontas – Nedas (EL0132)	Peloponnese (96,31%) Western Greece (3,69%)	Decentralized Administration of Peloponnese, Western Greece and the Ionian Sea

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

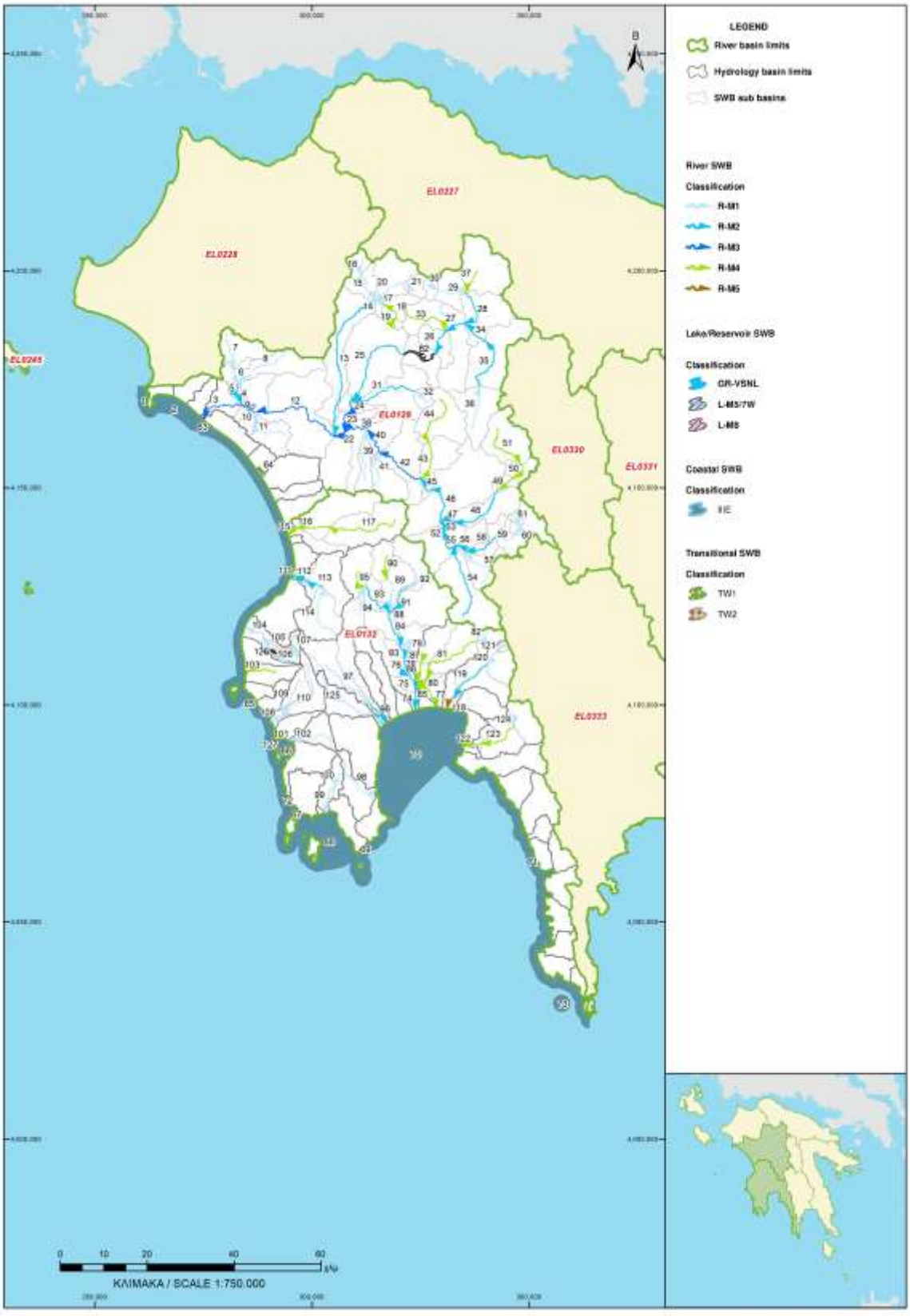
4.1 Surface Water Bodies

In the context of the 2nd Update, a total of one hundred and twenty-seven (127) surface water bodies (SWB) were identified in the Western Peloponnese River Basin District (EL01). In comparison with the 1st Update of the RBMP, one (1) new river natural SWB was added, Koryas R., with the code EL0132R002300052N. The distribution of the SWB in the RBD and also by RB is presented in the following Table.

Table 4-1. Number of surface water bodies in the Western Peloponnese (EL01) by RB

Type of WB	RB EL0129	RB EL0132	Total RB
River WB	59	52	111
Lake WB	0	0	0
Lake HMWB - reservoirs	1	1	2
Transitional WB	2	1	3
Coastal WB	2	9	11
Total RB	**64**	**63**	**127**

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



Map 4-1. Surface water bodies of the Western Peloponnese Region (EL01), 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 EL01 SWB shown on the map above.

Map Legend 4-1:

Map num	SWB Code	SWB Name	Map num	SWB Code	SWB Name
1	EL0129C0001N	KATAKOLO CAPE	65	EL0132C0003N	GREEK COASTS OF MESSINIA IN THE IONIAN SEA
2	EL0129C0002N	KIPARISSIAKOS GULF	66	EL0132C0004N	NAVARINO BAY (PILOS)
3	EL0129R000201001N	ALFIOS R._1	67	EL0132C0005N	METHONI CHANNEL
4	EL0129R000202002N	LESTENITSAS STREAM_1	68	EL0132C0006N	METHONI BAY
5	EL0129R000202003N	LESTENITSAS STREAM_2	69	EL0132C0007N	AKRITAS CAPE
6	EL0129R000202005N	ALISIO STREAM_1	70	EL0132C0008N	KALAMATA GULF
7	EL0129R000202006N	ALISIO STREAM_2	71	EL0132C0009N	TAINARO - MESSINIAKOS
8	EL0129R000202104N	LESTENITSAS STREAM_3	72	EL0132C0010N	METHONI WEST COAST
9	EL0129R000203007N	ALFIOS R._2	73	EL0132C0011N	TAINAROS ISLET
10	EL0129R000204008N	SELINOUS R._1	74	EL0132R000201023H	PAMISOS R._1
11	EL0129R000204009N	SELINOUS R._2	75	EL0132R000201024H	PAMISOS R._2
12	EL0129R000205010N	ALFIOS R._3	76	EL0132R000201025N	PAMISOS R._3
13	EL0129R000206011N	ERIMANTHOS R._1	77	EL0132R000201038H	ARIS R._1
14	EL0129R000206015N	ERIMANTHOS R._2	78	EL0132R000202026H	AGIOS FLOROS STREAM_1
15	EL0129R000206018N	ERIMANTHOS R._3	79	EL0132R000202027H	AGIOS FLOROS STREAM_2
16	EL0129R000206019N	ERIMANTHOS R._4	80	EL0132R000202039H	TZIROREMA STREAM_1
17	EL0129R000206112N	SIREO STREAM_1	81	EL0132R000202040N	TZIROREMA STREAM_2
18	EL0129R000206113N	SIREO STREAM_2	82	EL0132R000202041N	TZIROREMA STREAM_3
19	EL0129R000206114N	SIREO STREAM_3	83	EL0132R000203028N	MAVROZOUMENA STREAM_1
20	EL0129R000206216N	AROANIOS R._1	84	EL0132R000203029N	MAVROZOUMENA STREAM_2
21	EL0129R000206217N	AROANIOS R._2	85	EL0132R000203042H	ARIS R._2
22	EL0129R000207020N	ALFIOS R._4	86	EL0132R000203043H	ARIS R._3
23	EL0129R000208021N	LADON R._1	87	EL0132R000203044N	ARIS R._4
24	EL0129R000208022N	LADON R._2	88	EL0132R000204030H	MEGALO POTAMI STREAM_1
25	EL0129R000208025H	LADON R._3	89	EL0132R000204033H	MEGALO POTAMI STREAM_2
26	EL0129R000208026N	LADON R._4	90	EL0132R000204034N	MEGALO POTAMI STREAM_3
27	EL0129R000208028N	LADON R._5	91	EL0132R000204131H	TZAMIS STREAM_1
28	EL0129R000208032N	AROANIOS R._3	92	EL0132R000204132N	TZAMIS STREAM_2
29	EL0129R000208034N	XEROREMA STREAM_1	93	EL0132R000205035N	HOUHLOTOS STREAM
30	EL0129R000208035N	XEROREMA STREAM_2	94	EL0132R000206036N	MALTHIS STREAM
31	EL0129R000208123N	LAGADIANO STREAM_1	95	EL0132R000207037N	KLISOUREIKO 2 STREAM
32	EL0129R000208124N	LAGADIANO STREAM_2	96	EL0132R000300001N	VELIKA STREAM_1
33	EL0129R000208227N	PAOS R.	97	EL0132R000300002N	VELIKA STREAM_2
34	EL0129R000208329N	TRAGOS STREAM_1	98	EL0132R000500003N	KLISOUREIKO STREAM
35	EL0129R000208330N	TRAGOS STREAM_2	99	EL0132R000500004N	MINAGIOTIKO STREAM_1
36	EL0129R000208331N	TRAGOS STREAM_3	100	EL0132R000500005N	MINAGIOTIKO STREAM_2
37	EL0129R000208433N	AROANIOS R._4	101	EL0132R000700006N	GIANNOUZAGAS STREAM_1
38	EL0129R000209036N	ALFIOS R._5	102	EL0132R000700007N	GIANNOUZAGAS STREAM_2
39	EL0129R000210037N	ROGOZITIKO STREAM	103	EL0132R000900011N	LAGOUVARDOS STREAM
40	EL0129R000211038N	ALFIOS R._6	104	EL0132R000900012N	FILIATRINO STREAM_1
41	EL0129R000212039N	DIPOTAMO STREAM	105	EL0132R000900013H	FILIATRINO STREAM_2
42	EL0129R000213040N	ALFIOS R._7	106	EL0132R000900014N	FILIATRINO STREAM_3
43	EL0129R000214041N	LOUSIOS R._1	107	EL0132R000900015N	FILIATRINO STREAM_4
44	EL0129R000214042N	LOUSIOS R._2	108	EL0132R000901008N	SELAS STREAM

Map num	SWB Code	SWB Name	Map num	SWB Code	SWB Name
45	EL0129R000215043N	ALFIOS R._8	109	EL0132R000902009N	ALAFINOREMA STREAM
46	EL0129R000215044H	ALFIOS R._9	110	EL0132R000903010N	KAMPIROVA STREAM
47	EL0129R000216045N	ELISSON R._1	111	EL0132R001100016N	KALO NERO STREAM_1
48	EL0129R000216046N	ELISSON R._2	112	EL0132R001100017N	KALO NERO STREAM_2
49	EL0129R000216047N	ELISSON R._3	113	EL0132R001100018N	KALO NERO STREAM_3
50	EL0129R000216048N	ELISSON R._4	114	EL0132R001100019N	KALO NERO STREAM_4
51	EL0129R000216049N	ELISSON R._5	115	EL0132R001500020N	NEDA R._1
52	EL0129R000217050H	ALFIOS R._10	116	EL0132R001500021N	NEDA R._2
53	EL0129R000217051A	ALFIOS R. DIVERSION_1	117	EL0132R001500022N	NEDA R._3
54	EL0129R000218052N	XERILAS STREAM	118	EL0132R001700045H	NEDON R._1
55	EL0129R000219053A	ALFIOS R. DIVERSION_2	119	EL0132R001700046N	NEDON R._2
56	EL0129R000219054N	ALFIOS R._11	120	EL0132R001700047N	NEDON R._3
57	EL0129R000220055N	KOUNTIFARINA STREAM	121	EL0132R001700048N	NEDON R._4
58	EL0129R000221056N	ALFIOS R._12	122	EL0132R002100049N	MILOI STREAM_1
59	EL0129R000221057N	ALFIOS R._13	123	EL0132R002100050N	MILOI STREAM_2
60	EL0129R000221058N	ALFIOS R._14	124	EL0132R002100051N	MILOI STREAM_3
61	EL0129R000221059N	ALFIOS R._15	125	EL0132R002300052N	KORYAS R.
62	EL0129RL00208001H	LADON ARTIF.LAKE	126	EL0132RL00900001H	FILIATRINO ARTIF.LAKE
63	EL0129T0001N	ALFIOS R. ESTUARIES	127	EL0132T0003N	YALOVA LAGOON
64	EL0129T0002H	KAIAFAS LAGOON			

4.1.1 River Water Bodies

The typology and classification of the status of river water bodies of the Western Peloponnese River Basin District (EL01) 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 4-2. River water bodies and new typology, according to the European Decision 2018/229/EU, per RB of the Western Peloponnese (EL01)

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
1	EL0129	ALISIO STREAM_1	EL0129R000202005N	NAT	R-M1	5,0	22,8	63,0	28,7
2	EL0129	ALISIO STREAM_2	EL0129R000202006N	NAT	R-M1	9,3	63,0	0,0	21,6
3	EL0129	ALFIOS R._1	EL0129R000201001N	NAT	R-M3	12,2	41,1	3.456,0	1.277,0
4	EL0129	ALFIOS R._10	EL0129R000217050H	NAT	R-M2	2,6	4,2	417,4	117,4
5	EL0129	ALFIOS R._11	EL0129R000219054N	NAT	R-M2	3,0	30,4	168,2	45,8
6	EL0129	ALFIOS R._12	EL0129R000221056N	NAT	R-M2	10,0	32,6	88,9	28,0
7	EL0129	ALFIOS R._13	EL0129R000221057N	NAT	R-M1	5,0	35,4	53,4	20,5
8	EL0129	ALFIOS R._14	EL0129R000221058N	NAT	R-M1	2,5	45,1	8,3	11,4
9	EL0129	ALFIOS R._15	EL0129R000221059N	NAT	R-M1	4,4	8,3	0,0	2,1
10	EL0129	ALFIOS R._2	EL0129R000203007N	NAT	R-M3	6,2	58,2	3.223,9	1.216,3
11	EL0129	ALFIOS R._3	EL0129R000205010N	NAT	R-M3	25,2	226,8	2.928,8	1.184,4
12	EL0129	ALFIOS R._4	EL0129R000207020N	NAT	R-M3	3,0	76,5	2.492,8	909,3
13	EL0129	ALFIOS R._5	EL0129R000209036N	NAT	R-M3	6,9	54,8	1.300,9	404,3
14	EL0129	ALFIOS R._6	EL0129R000211038N	NAT	R-M3	7,5	48,5	1.217,0	382,4

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
15	EL0129	ALFIOS R._7	EL0129R000213040N	NAT	R-M3	13,6	107,9	1.050,4	352,7
16	EL0129	ALFIOS R._8	EL0129R000215043N	NAT	R-M2	5,0	10,8	873,8	249,9
17	EL0129	ALFIOS R._9	EL0129R000215044H	HMWB	R-M2	12,5	229,7	644,1	247,2
18	EL0129	AROANIOS R._1	EL0129R000206216N	NAT	R-M1	10,0	76,2	20,5	50,1
19	EL0129	AROANIOS R._2	EL0129R000206217N	NAT	R-M1	3,2	20,5	0,0	9,6
20	EL0129	AROANIOS R._3	EL0129R000208032N	NAT	R-M2	10,3	82,1	181,9	127,9
21	EL0129	AROANIOS R._4	EL0129R000208433N	NAT	R-M4	6,1	120,7	0,0	65,9
22	EL0129	DIPOTAMO STREAM	EL0129R000212039N	NAT	R-M1	10,7	58,7	0,0	19,4
23	EL0129	ALFIOS R. DIVERSION_1	EL0129R000217051A	AWB	R-M2	6,5	74,9	342,5	116,4
24	EL0129	ALFIOS R. DIVERSION_2	EL0129R000219053A	AWB	R-M2	1,0	0,5	198,7	45,9
25	EL0129	ELISSON R._1	EL0129R000216045N	NAT	R-M2	3,3	3,3	219,2	66,6
26	EL0129	ELISSON R._2	EL0129R000216046N	NAT	R-M2	16,7	81,0	138,2	65,8
27	EL0129	ELISSON R._3	EL0129R000216047N	NAT	R-M4	5,0	12,7	125,5	47,1
28	EL0129	ELISSON R._4	EL0129R000216048N	NAT	R-M4	5,0	27,4	98,0	43,3
29	EL0129	ELISSON R._5	EL0129R000216049N	NAT	R-M4	13,6	98,0	0,0	36,3
30	EL0129	ERIMANTHOS R._1	EL0129R000206011N	NAT	R-M2	39,8	152,3	207,2	177,0
31	EL0129	ERIMANTHOS R._2	EL0129R000206015N	NAT	R-M2	0,2	0,0	156,7	94,1
32	EL0129	ERIMANTHOS R._3	EL0129R000206018N	NAT	R-M1	7,5	35,9	24,1	44,0
33	EL0129	ERIMANTHOS R._4	EL0129R000206019N	NAT	R-M1	4,3	24,1	0,0	20,4
34	EL0129	KOUNTIFARINA STREAM	EL0129R000220055N	NAT	R-M1	12,7	46,8	0,0	11,6
35	EL0129	LAGADIANO STREAM_1	EL0129R000208123N	NAT	R-M2	17,5	104,0	18,0	42,6
36	EL0129	LAGADIANO STREAM_2	EL0129R000208124N	NAT	R-M1	4,7	18,0	0,0	8,7
37	EL0129	LADON R._1	EL0129R000208021N	NAT	R-M3	5,0	23,9	1.113,3	473,8
38	EL0129	LADON R._2	EL0129R000208022N	NAT	R-M3	4,3	24,1	1.089,2	468,0
39	EL0129	LADON R._3	EL0129R000208025H	HMWB	R-M2	23,3	200,6	766,7	418,7
40	EL0129	LADON R._4	EL0129R000208026N	NAT	R-M2	6,7	45,3	664,6	323,7
41	EL0129	LADON R._5	EL0129R000208028N	NAT	R-M2	5,5	93,5	511,0	271,8
42	EL0129	LESTENITSAS STREAM_1	EL0129R000202002N	NAT	R-M2	2,5	2,6	171,4	53,0
43	EL0129	LESTENITSAS STREAM_2	EL0129R000202003N	NAT	R-M2	4,2	8,4	163,0	52,3
44	EL0129	LESTENITSAS STREAM_3	EL0129R000202104N	NAT	R-M1	17,4	77,2	0,0	20,7
45	EL0129	LOUSIOS R._1	EL0129R000214041N	NAT	R-M4	10,0	62,8	103,0	73,1
46	EL0129	LOUSIOS R._2	EL0129R000214042N	NAT	R-M4	14,4	103,0	0,0	47,7
47	EL0129	XERILAS STREAM	EL0129R000218052N	NAT	R-M2	20,7	143,4	0,0	48,2
48	EL0129	XEROREMA STREAM_1	EL0129R000208034N	NAT	R-M1	7,5	47,5	13,8	29,2
49	EL0129	XEROREMA STREAM_2	EL0129R000208035N	NAT	R-M1	3,0	13,8	0,0	7,6
50	EL0129	PAOS R.	EL0129R000208227N	NAT	R-M4	13,3	60,2	0,0	29,5

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
51	EL0129	ROGOZITIKO S.	EL0129R000210037N	NAT	R-M1	13,9	35,3	0,0	9,6
52	EL0129	SIREO STREAM_1	EL0129R000206112N	NAT	R-M1	2,5	7,6	43,0	23,2
53	EL0129	SIREO STREAM_2	EL0129R000206113N	NAT	R-M4	5,0	36,8	6,2	19,5
54	EL0129	SIREO STREAM_3	EL0129R000206114N	NAT	R-M4	2,9	6,2	0,0	3,5
55	EL0129	SELINOUS R._1	EL0129R000204008N	NAT	R-M1	2,5	14,7	53,6	19,7
56	EL0129	SELINOUS R._2	EL0129R000204009N	NAT	R-M1	10,5	53,6	0,0	17,2
57	EL0129	TRAGOS STREAM_1	EL0129R000208329N	NAT	R-M2	7,0	16,7	230,4	103,1
58	EL0129	TRAGOS STREAM_2	EL0129R000208330N	NAT	R-M2	15,5	137,2	93,2	97,4
59	EL0129	TRAGOS STREAM_3	EL0129R000208331N	NAT	R-M1	11,3	93,2	0,0	44,7
60	EL0132	AGIOS FLOROS STREAM_1	EL0132R000202026H	HMWB	R-M1	2,5	3,7	31,3	6,4
61	EL0132	AGIOS FLOROS STREAM_2	EL0132R000202027H	HMWB	R-M1	4,1	31,3	0,0	5,7
62	EL0132	ALAFINOREMA STREAM	EL0132R000902009N	NAT	R-M1	10,3	31,7	0,0	11,3
63	EL0132	ARIS R._1	EL0132R000201038H	HMWB	R-M4	5,4	25,9	177,1	63,7
64	EL0132	ARIS R._2	EL0132R000203042H	HMWB	R-M4	2,5	1,6	61,4	16,8
65	EL0132	ARIS R._3	EL0132R000203043H	HMWB	R-M4	4,8	13,4	47,9	16,6
66	EL0132	ARIS R._4	EL0132R000203044N	NAT	R-M4	2,7	47,9	0,0	14,7
67	EL0132	VELIKA STREAM_1	EL0132R000300001N	NAT	R-M2	6,8	60,8	88,5	54,4
68	EL0132	VELIKA STREAM_2	EL0132R000300002N	NAT	R-M1	25,2	88,5	0,0	32,8
69	EL0132	GIANNOUZAGAS STREAM_1	EL0132R000700006N	NAT	R-M1	0,9	0,8	47,5	14,1
70	EL0132	GIANNOUZAGAS STREAM_2	EL0132R000700007N	NAT	R-M1	12,9	47,5	0,0	14,0
71	EL0132	KALO NERO STREAM_1	EL0132R001100016N	NAT	R-M2	0,7	2,7	180,6	63,1
72	EL0132	KALO NERO STREAM_2	EL0132R001100017N	NAT	R-M2	3,3	11,2	169,4	62,6
73	EL0132	KALO NERO STREAM_3	EL0132R001100018N	NAT	R-M2	4,6	81,6	87,8	60,3
74	EL0132	KALO NERO STREAM_4	EL0132R001100019N	NAT	R-M1	16,1	87,8	0,0	36,9
75	EL0132	KAMPIROVA STREAM	EL0132R000903010N	NAT	R-M1	18,9	55,3	0,0	21,7
76	EL0132	KLISOUREIKO 2 STREAM	EL0132R000207037N	NAT	R-M4	5,6	66,4	0,0	20,6
77	EL0132	KLISOUREIKO STREAM	EL0132R000500003N	NAT	R-M1	15,4	64,9	0,0	16,4
78	EL0132	KORYAS R.	EL0132R002300052N	NAT	R-M1	23,7	64,5	0,0	15,2
79	EL0132	LAGOUVARDOS STREAM	EL0132R000900011N	NAT	R-M4	8,3	48,1	0,0	13,3
80	EL0132	MALTHIS STREAM	EL0132R000206036N	NAT	R-M1	8,5	37,0	0,0	25,0
81	EL0132	MAVROZOUMENA STREAM_1	EL0132R000203028N	NAT	R-M2	3,7	13,8	438,7	167,4
82	EL0132	MAVROZOUMENA STREAM_2	EL0132R000203029N	NAT	R-M2	9,6	40,9	397,8	164,7
83	EL0132	MEGALO POTAMI STREAM_1	EL0132R000204030H	HMWB	R-M2	1,2	1,2	264,5	90,7
84	EL0132	MEGALO POTAMI STREAM_2	EL0132R000204033H	HMWB	R-M1	8,2	55,6	38,2	30,6
85	EL0132	MEGALO POTAMI STREAM_3	EL0132R000204034N	NAT	R-M4	6,3	38,2	0,0	13,8
86	EL0132	MINAGIOTIKO STREAM_1	EL0132R000500004N	NAT	R-M1	8,4	22,9	20,6	11,8

No	RB	WB Name	WB Code	Category	Type	Length (km)	Immediate Catchment Area (km²)	Upstream Catchment area (km²)	Mean Annual Flow (hm³)
87	EL0132	MINAGIOTIKO STREAM_2	EL0132R000500005N	NAT	R-M1	4,7	20,6	0,0	6,2
88	EL0132	MILOI STREAM_1	EL0132R002100049N	NAT	R-M4	4,8	14,1	120,7	55,5
89	EL0132	MILOI STREAM_2	EL0132R002100050N	NAT	R-M4	10,4	64,5	56,3	52,1
90	EL0132	MILOI STREAM_3	EL0132R002100051N	NAT	R-M1	4,2	56,3	0,0	29,8
91	EL0132	NEDA R._1	EL0132R001500020N	NAT	R-M4	2,8	30,6	247,9	101,6
92	EL0132	NEDA R._2	EL0132R001500021N	NAT	R-M4	8,2	114,0	133,9	92,2
93	EL0132	NEDA R._3	EL0132R001500022N	NAT	R-M4	20,3	133,9	0,0	56,4
94	EL0132	NEDON R._1	EL0132R001700045H	HMWB	R-M5	3,3	23,6	122,5	54,3
95	EL0132	NEDON R._2	EL0132R001700046N	NAT	R-M2	11,8	69,9	52,6	50,8
96	EL0132	NEDON R._3	EL0132R001700047N	NAT	R-M1	4,7	45,6	7,0	29,1
97	EL0132	NEDON R._4	EL0132R001700048N	NAT	R-M1	2,6	7,0	0,0	4,4
98	EL0132	PAMISOS R._1	EL0132R000201023H	HMWB	R-M2	4,0	14,7	552,9	188,5
99	EL0132	PAMISOS R._2	EL0132R000201024H	HMWB	R-M2	4,8	18,4	534,5	186,5
100	EL0132	PAMISOS R._3	EL0132R000201025N	NAT	R-M2	5,1	47,2	487,4	184,0
101	EL0132	SELAS STREAM	EL0132R000901008N	NAT	R-M1	5,0	8,9	87,0	34,8
102	EL0132	TZAMIS STREAM_1	EL0132R000204131H	HMWB	R-M2	6,4	116,4	54,3	59,8
103	EL0132	TZAMIS STREAM_2	EL0132R000204132N	NAT	R-M1	4,5	54,3	0,0	23,5
104	EL0132	TZIROREMA STREAM_1	EL0132R000202039H	HMWB	R-M4	2,8	5,9	108,2	43,5
105	EL0132	TZIROREMA STREAM_2	EL0132R000202040N	NAT	R-M4	18,7	81,1	27,1	42,6
106	EL0132	TZIROREMA STREAM_3	EL0132R000202041N	NAT	R-M1	4,1	27,1	0,0	11,9
107	EL0132	FILIATRINO STREAM_1	EL0132R000900012N	NAT	R-M1	6,9	26,0	36,9	20,1
108	EL0132	FILIATRINO STREAM_2	EL0132R000900013H	HMWB	R-M1	4,9	9,6	27,3	15,0
109	EL0132	FILIATRINO STREAM_3	EL0132R000900014N	NAT	R-M1	6,2	12,6	10,2	11,0
110	EL0132	FILIATRINO STREAM_4	EL0132R000900015N	NAT	R-M1	6,4	10,2	0,0	5,9
111	EL0132	HOUHLOTOS STREAM	EL0132R000205035N	NAT	R-M2	10,8	28,7	103,4	54,7

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

Table 4-3. Assessment of the status of the River Water Bodies of the Western Peloponnese (EL01) 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	EL0129	ALFIOS R._1	EL0129R000201001N	-	-	Poor	Less than Good	Medium (2)	Medium (2)	Poor
R	EL0129	LESTENITSAS STREAM_1	EL0129R000202002N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	LESTENITSAS STREAM_2	EL0129R000202003N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALISIO STREAM_1	EL0129R000202005N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALISIO STREAM_2	EL0129R000202006N	-	-	Moderate	Good	Low (1)	No Data (0)	Moderate
R	EL0129	LESTENITSAS STREAM_3	EL0129R000202104N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._2	EL0129R000203007N	-	-	Moderate	Good	high (3)	Low (1)	Moderate
R	EL0129	SELINOUS R._1	EL0129R000204008N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	SELINOUS R._2	EL0129R000204009N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._3	EL0129R000205010N	-	-	Moderate	Good	Medium (2)	Medium (2)	Moderate
R	EL0129	ERIMANTHOS R._1	EL0129R000206011N	-	√	Moderate	Less than Good	Medium (2)	Medium (2)	Moderate
R	EL0129	ERIMANTHOS R._2	EL0129R000206015N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ERIMANTHOS R._3	EL0129R000206018N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ERIMANTHOS R._4	EL0129R000206019N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	SIREO STREAM_1	EL0129R000206112N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	SIREO STREAM_2	EL0129R000206113N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	SIREO STREAM_3	EL0129R000206114N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	AROANIOS R._1	EL0129R000206216N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	AROANIOS R._2	EL0129R000206217N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._4	EL0129R000207020N	-	-	Good	Good	No Data (0)	Low (1)	Good
R	EL0129	LADON R._1	EL0129R000208021N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	LADON R._2	EL0129R000208022N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	LADON R._3	EL0129R000208025H	√	-	Moderate Ecological Potential	Good	Medium (2)	Medium (2)	Moderate Ecological Potential
R	EL0129	LADON R._4	EL0129R000208026N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0129	LADON R._5	EL0129R000208028N	-	√	Good	Good	High (3)	Low (1)	Good
R	EL0129	AROANIOS R._3	EL0129R000208032N	-	√	High	Good	High (3)	Medium (2)	High
R	EL0129	XEROREMA STREAM_1	EL0129R000208034N	-	√	Good	Good	Low (1)	No Data (0)	Good
R	EL0129	XEROREMA STREAM_2	EL0129R000208035N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	LAGADIANO STREAM_1	EL0129R000208123N	-	-	Good	Good	Medium (2)	Medium (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	EL0129	LAGADIANO STREAM_2	EL0129R000208124N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	PAOS R.	EL0129R000208227N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	TRAGOS STREAM_1	EL0129R000208329N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	TRAGOS STREAM_2	EL0129R000208330N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	TRAGOS STREAM_3	EL0129R000208331N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	AROANIOS R._4	EL0129R000208433N	-	√	Moderate	Good	Low (1)	Low (1)	Moderate
R	EL0129	ALFIOS R._5	EL0129R000209036N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ROGOZITIKO S.	EL0129R000210037N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._6	EL0129R000211038N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	DIPOTAMO STREAM	EL0129R000212039N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._7	EL0129R000213040N	-	√	Good	Good	High (3)	Medium (2)	Good
R	EL0129	LOUSIOS R._1	EL0129R000214041N	-	√	Good	Good	Low (1)	Low (1)	Good
R	EL0129	LOUSIOS R._2	EL0129R000214042N	-	-	Moderate	Good	Medium (2)	Medium (2)	Moderate
R	EL0129	ALFIOS R._8	EL0129R000215043N	-	-	Good	Good	Low (1)	No Data (0)	Good
R	EL0129	ALFIOS R._9	EL0129R000215044H	√	-	Good Ecological Potential	Good	Medium (2)	Medium (2)	Good Ecological Potential
R	EL0129	ELISSON R._1	EL0129R000216045N	-	-	Poor	Less than Good	Medium (2)	Medium (2)	Poor
R	EL0129	ELISSON R._2	EL0129R000216046N	-	-	Moderate	Good	High (3)	No Data (0)	Moderate
R	EL0129	ELISSON R._3	EL0129R000216047N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ELISSON R._4	EL0129R000216048N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ELISSON R._5	EL0129R000216049N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._10	EL0129R000217050H	√	-	Moderate Ecological Potential	Good	No Data (0)	No Data (0)	Moderate Ecological Potential
R	EL0129	ALFIOS R. DIVERSION_1	EL0129R000217051A	√	-	Bad Ecological Potential	Good	Medium (2)	Medium (2)	Bad Ecological Potential
R	EL0129	XERILAS STREAM	EL0129R000218052N	-	-	Good	Good	Low (1)	No Data (0)	Good
R	EL0129	ALFIOS R. DIVERSION_2	EL0129R000219053A	√	-	Good Ecological Potential	Good	No Data (0)	Low (1)	Good Ecological Potential
R	EL0129	ALFIOS R._11	EL0129R000219054N	-	-	Good	Good	Low (1)	No Data (0)	Good
R	EL0129	KOUNTIFARINA STREAM	EL0129R000220055N	-	-	Moderate	Good	High (3)	Medium (2)	Moderate
R	EL0129	ALFIOS R._12	EL0129R000221056N	-	-	Good	Good	Low (1)	No Data (0)	Good
R	EL0129	ALFIOS R._13	EL0129R000221057N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._14	EL0129R000221058N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0129	ALFIOS R._15	EL0129R000221059N	-	-	Good	Good	Low (1)	Low (1)	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	EL0132	PAMISOS R._1	EL0132R000201023H	√	-	Bad Ecological Potential	Good	Medium (2)	Medium (2)	Bad Ecological Potential
R	EL0132	PAMISOS R._2	EL0132R000201024H	√	-	Poor Ecological Potential	Good	High (3)	No Data (0)	Poor Ecological Potential
R	EL0132	PAMISOS R._3	EL0132R000201025N	-	-	Bad	Good	Medium (2)	Medium (2)	Bad
R	EL0132	ARIS R._1	EL0132R000201038H	√	-	Poor Ecological Potential	Less than Good	Medium (2)	Medium (2)	Poor Ecological Potential
R	EL0132	AGIOS FLOROS STREAM_1	EL0132R000202026H	√	-	Poor Ecological Potential	Good	No Data (0)	Low (1)	Poor Ecological Potential
R	EL0132	AGIOS FLOROS STREAM_2	EL0132R000202027H	√	√	Bad Ecological Potential	Good	Medium (2)	Medium (2)	Bad Ecological Potential
R	EL0132	TZIROREMA STREAM_1	EL0132R000202039H	√	-	Good Ecological Potential	Good	No Data (0)	Low (1)	Good Ecological Potential
R	EL0132	TZIROREMA STREAM_2	EL0132R000202040N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	TZIROREMA STREAM_3	EL0132R000202041N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	MAVROZOUMENA STREAM_1	EL0132R000203028N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	MAVROZOUMENA STREAM_2	EL0132R000203029N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	ARIS R._2	EL0132R000203042H	√	-	Good Ecological Potential	Good	No Data (0)	Low (1)	Good Ecological Potential
R	EL0132	ARIS R._3	EL0132R000203043H	√	-	Poor Ecological Potential	Good	Medium (2)	Medium (2)	Poor Ecological Potential
R	EL0132	ARIS R._4	EL0132R000203044N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	MEGALO POTAMI STREAM_1	EL0132R000204030H	√	-	Good Ecological Potential	Good	No Data (0)	Low (1)	Good Ecological Potential
R	EL0132	MEGALO POTAMI STREAM_2	EL0132R000204033H	√	-	Poor Ecological Potential	Good	No Data (0)	Low (1)	Poor Ecological Potential
R	EL0132	MEGALO POTAMI STREAM_3	EL0132R000204034N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	TZAMIS STREAM_1	EL0132R000204131H	√	-	Poor Ecological Potential	Good	No Data (0)	Low (1)	Poor Ecological Potential
R	EL0132	TZAMIS STREAM_2	EL0132R000204132N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	HOUHLOTOS STREAM	EL0132R000205035N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	MALTHIS STREAM	EL0132R000206036N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	KLISOUREIKO 2 STREAM	EL0132R000207037N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	VELIKA STREAM_1	EL0132R000300001N	-	-	Poor	Good	High (3)	Medium (2)	Poor
R	EL0132	VELIKA STREAM_2	EL0132R000300002N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	KLISOUREIKO STREAM	EL0132R000500003N	-	-	Bad	Good	High (3)	No Data (0)	Bad
R	EL0132	MINAGIOTIKO STREAM_1	EL0132R000500004N	-	√	Poor	Good	High (3)	Low (1)	Poor

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	EL0132	MINAGIOTIKO STREAM_2	EL0132R000500005N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	GIANNOUZAGAS STREAM_1	EL0132R000700006N	-	√	Poor	Good	High (3)	No Data (0)	Poor
R	EL0132	GIANNOUZAGAS STREAM_2	EL0132R000700007N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	LAGOUVARDOS STREAM	EL0132R000900011N	-	-	Bad	Good	High (3)	Low (1)	Bad
R	EL0132	FILIATRINO STREAM_1	EL0132R000900012N	-	-	Poor	Good	High (3)	Low (1)	Poor
R	EL0132	FILIATRINO STREAM_2	EL0132R000900013H	√	-	Moderate Ecological Potential	Good	No Data (0)	Low (1)	Moderate Ecological Potential
R	EL0132	FILIATRINO STREAM_3	EL0132R000900014N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	FILIATRINO STREAM_4	EL0132R000900015N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	SELAS STREAM	EL0132R000901008N	-	√	Bad	Good	High (3)	No Data (0)	Bad
R	EL0132	ALAFINOREMA STREAM	EL0132R000902009N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	KAMPIROVA STREAM	EL0132R000903010N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	KALO NERO STREAM_1	EL0132R001100016N	-	√	Bad	Good	Medium (2)	Medium (2)	Bad
R	EL0132	KALO NERO STREAM_2	EL0132R001100017N	-	-	Good	Less than Good	Low (1)	No Data (0)	Moderate
R	EL0132	KALO NERO STREAM_3	EL0132R001100018N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	KALO NERO STREAM_4	EL0132R001100019N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	NEDA R._1	EL0132R001500020N	-	√	Poor	Good	Medium (2)	Medium (2)	Poor
R	EL0132	NEDA R._2	EL0132R001500021N	-	-	Moderate	Good	Medium (2)	Medium (2)	Moderate
R	EL0132	NEDA R._3	EL0132R001500022N	-	√	Good	Good	High (3)	Low (1)	Good
R	EL0132	NEDON R._1	EL0132R001700045H	√	-	Moderate Ecological Potential	Good	No Data (0)	No Data (0)	Moderate Ecological Potential
R	EL0132	NEDON R._2	EL0132R001700046N	-	√	Good	Good	No Data (0)	No Data (0)	Good
R	EL0132	NEDON R._3	EL0132R001700047N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	NEDON R._4	EL0132R001700048N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	MILOI STREAM_1	EL0132R002100049N	-	-	Good	Good	No Data (0)	Low (1)	Good
R	EL0132	MILOI STREAM_2	EL0132R002100050N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	MILOI STREAM_3	EL0132R002100051N	-	-	Good	Good	Low (1)	Low (1)	Good
R	EL0132	KORYAS R.	EL0132R002300052N	-	-	Good	Good	Low (1)	No Data (0)	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 Western Peloponnese RBD (EL01)

					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	EL0129	ALFIOS R._1	EL0129R000201001N	NMN	Poor	Less than Good	Poor	Moderate	Good	Moderate	Moderate	Good	Moderate	Macrophytes: Poor Fish fauna: Poor	Lead, Nickel, Molybdenum and its compounds
R	EL0129	LESTENITSAS STREAM_1	EL0129R000202002N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0129	LESTENITSAS STREAM_2	EL0129R000202003N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0129	ALISIO STREAM_1	EL0129R000202005N	GRP	Good	Good	Good	Moderate	Good	Moderate	Good	Unknown	Unknown		
R	EL0129	ALISIO STREAM_2	EL0129R000202006N	EXJ	Moderate	Good	Moderate	Moderate	Good	Moderate	Good	Unknown	Unknown		
R	EL0129	LESTENITSAS STREAM_3	EL0129R000202104N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._2	EL0129R000203007N	GRP	Moderate	Good	Moderate	Good	Good	Good	Moderate	Unknown	Unknown	Macro invertebrates: Moderate Fish fauna: Moderate	
R	EL0129	SELINOUS R._1	EL0129R000204008N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0129	SELINOUS R._2	EL0129R000204009N	GRP	Good	Good	Good	Moderate	Good	Moderate	Unknown	Unknown	Unknown		
R	EL0129	ALFIOS R._3	EL0129R000205010N	NMN	Moderate	Good	Moderate	Moderate	Good	Moderate	Moderate	Unknown	Unknown	Fish fauna: Moderate	Lead, Nickel
R	EL0129	ERIMANTHOS R._1	EL0129R000206011N	NMN	Moderate	Less than Good	Moderate	Good	Less than Good	Moderate	Good	Unknown	Unknown		Lead, Nickel, Phenols, Tin and its compounds
R	EL0129	ERIMANTHOS R._2	EL0129R000206015N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ERIMANTHOS R._3	EL0129R000206018N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ERIMANTHOS R._4	EL0129R000206019N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	SIREO STREAM_1	EL0129R000206112N	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	EL0129	SIREO STREAM_2	EL0129R000206113N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	SIREO STREAM_3	EL0129R000206114N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	AROANIOS R._1	EL0129R000206216N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	AROANIOS R._2	EL0129R000206217N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._4	EL0129R000207020N	EXJ	Good	Good	Good	Moderate	Unknown	Unknown	Unknown	Less than Good	Unknown		
R	EL0129	LADON R._1	EL0129R000208021N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	LADON R._2	EL0129R000208022N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	LADON R._3	EL0129R000208025H	NMN	Moderate Ecological Potential	Good	Moderate Ecological Potential	Poor Ecological Potential	Less than Good	Poor Ecological Potential	Good Ecological Potential	Unknown	Unknown Ecological Potential	Fish fauna: Moderate	Lead
R	EL0129	LADON R._4	EL0129R000208026N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
R	EL0129	LADON R._5	EL0129R000208028N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Unknown	Unknown		
R	EL0129	AROANIOS R._3	EL0129R000208032N	NMN	High	Good	High	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	XEROREMA STREAM_1	EL0129R000208034N	EXJ	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	XEROREMA STREAM_2	EL0129R000208035N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	LAGADIANO STREAM_1	EL0129R000208123N	NMN	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		Lead, Nickel
R	EL0129	LAGADIANO STREAM_2	EL0129R000208124N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	PAOS R.	EL0129R000208227N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	TRAGOS STREAM_1	EL0129R000208329N	GRP	Good	Good	Good	Good	Less than Good	Moderate	Good	Unknown	Unknown		
R	EL0129	TRAGOS STREAM_2	EL0129R000208330N	GRP	Good	Good	Good	Good	Unknown	Unknown	Good	Unknown	Unknown		
R	EL0129	TRAGOS STREAM_3	EL0129R000208331N	GRP	Good	Good	Good	Good	Good	Good	Good	Less than Good	Good		
R	EL0129	AROANIOS R._4	EL0129R000208433N	GRP	Moderate	Good	Moderate	Good	Unknown	Unknown	Good	Good	Good		

					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	EL0129	ALFIOS R._5	EL0129R000209036N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0129	ROGOZITIKO S.	EL0129R000210037N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._6	EL0129R000211038N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	DIPOTAMO STREAM	EL0129R000212039N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._7	EL0129R000213040N	NMN	Good	Good	Good	Moderate	Good	Moderate	Good	Unknown	Unknown		
R	EL0129	LOUSIOS R._1	EL0129R000214041N	GRP	Good	Good	Good	Good	Unknown	Unknown	Good	Unknown	Unknown		
R	EL0129	LOUSIOS R._2	EL0129R000214042N	NMN	Moderate	Good	Moderate	Good	Good	Good	Good	Unknown	Unknown		Nickel, Phenols
R	EL0129	ALFIOS R._8	EL0129R000215043N	EXJ	Good	Good	Good	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown		
R	EL0129	ALFIOS R._9	EL0129R000215044H	NMN	Good Ecological Potential	Good	Good Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		Nickel
R	EL0129	ELISSON R._1	EL0129R000216045N	NMN	Poor	Less than Good	Poor	Bad	Unknown	Unknown	Unknown	Less than Good	Unknown	Fish fauna: Poor	Lead, Nickel
R	EL0129	ELISSON R._2	EL0129R000216046N	EXJ	Moderate	Good	Moderate	Bad	Good	Bad	Good	Unknown	Unknown	Macro invertebrates: Moderate	
R	EL0129	ELISSON R._3	EL0129R000216047N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ELISSON R._4	EL0129R000216048N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ELISSON R._5	EL0129R000216049N	GRP	Good	Good	Good	Good	Unknown	Unknown	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._10	EL0129R000217050H	EXJ	Moderate Ecological Potential	Good	Moderate Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0129	ALFIOS R. DIVERSION_1	EL0129R000217051A	NMN	Bad Ecological Potential	Good	Bad Ecological Potential	Bad Ecological Potential	Good	Bad Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Physicochemical: Moderate Macro invertebrates: Moderate Diatoms:	Molybdenum and its compounds

					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
														Moderate Macrophytes: Moderate Fish fauna: Bad	
R	EL0129	XERILAS STREAM	EL0129R000218052N	EXJ	Good	Good	Good	Good	Unknown	Unknown	Good	Unknown	Unknown		
R	EL0129	ALFIOS R. DIVERSION_2	EL0129R000219053A	EXJ	Good Ecological Potential	Good	Good Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0129	ALFIOS R._11	EL0129R000219054N	EXJ	Good	Good	Good	Poor	Good	Poor	Moderate	Unknown	Unknown		
R	EL0129	KOUNTIFARINA STREAM	EL0129R000220055N	NMN	Moderate	Good	Moderate	Good	Good	Good	Good	Unknown	Unknown	Macro invertebrates: Moderate Fish fauna: Moderate	
R	EL0129	ALFIOS R._12	EL0129R000221056N	EXJ	Good	Good	Good	Good	Unknown	Unknown	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._13	EL0129R000221057N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._14	EL0129R000221058N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0129	ALFIOS R._15	EL0129R000221059N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0132	PAMISOS R._1	EL0132R000201023H	NMN	Bad Ecological Potential	Good	Bad Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential	Poor Ecological Potential	Less than Good	Poor Ecological Potential	Macrophytes: Moderate Fish fauna: Bad	
R	EL0132	PAMISOS R._2	EL0132R000201024H	EXJ	Poor Ecological Potential	Good	Poor Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Poor Ecological Potential	Good	Poor Ecological Potential	Macro invertebrates: Moderate Diatoms: Moderate Macrophytes: Poor	
R	EL0132	PAMISOS R._3	EL0132R000201025N	NMN	Bad	Good	Bad	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown	Macro invertebrates: Moderate Macrophytes:	Molybdenum and its compounds, Nickel

					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
														Poor Fish fauna: Bad	
R	EL0132	ARIS R._1	EL0132R000201038H	NMN	Poor Ecological Potential	Less than Good	Poor Ecological Potential	Good	Good	Good	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Macro invertebrates: Moderate Macrophytes: Poor	Lead
R	EL0132	AGIOS FLOROS STREAM_1	EL0132R000202026H	EXJ	Poor Ecological Potential	Good	Poor Ecological Potential	Unknown Ecological Potential	Good	Unknown Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0132	AGIOS FLOROS STREAM_2	EL0132R000202027H	NMN	Bad Ecological Potential	Good	Bad Ecological Potential	Bad Ecological Potential	Good	Bad Ecological Potential	Good Ecological Potential	Good	Good Ecological Potential	Fish fauna: Bad	
R	EL0132	TZIROREMA STREAM_1	EL0132R000202039H	EXJ	Good Ecological Potential	Good	Good Ecological Potential	Unknown Ecological Potential	Good	Unknown Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0132	TZIROREMA STREAM_2	EL0132R000202040N	GRP	Good	Good	Good	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown		
R	EL0132	TZIROREMA STREAM_3	EL0132R000202041N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	MAVROZOUMENA STREAM_1	EL0132R000203028N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	MAVROZOUMENA STREAM_2	EL0132R000203029N	GRP	Good	Good	Good	Moderate	Good	Moderate	Unknown	Unknown	Unknown		
R	EL0132	ARIS R._2	EL0132R000203042H	EXJ	Good Ecological Potential	Good	Good Ecological Potential	Unknown Ecological Potential	Good	Unknown Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential		
R	EL0132	ARIS R._3	EL0132R000203043H	NMN	Poor Ecological Potential	Good	Poor Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential	Macrophytes: Poor	Lead
R	EL0132	ARIS R._4	EL0132R000203044N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Good	Moderate		
R	EL0132	MEGALO POTAMI STREAM_1	EL0132R000204030H	EXJ	Good Ecological Potential	Good	Good Ecological Potential	Unknown Ecological Potential	Good	Unknown Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential		

					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	EL0132	MEGALO POTAMI STREAM_2	EL0132R000204033H	EXJ	Poor Ecological Potential	Good	Poor Ecological Potential	Unknown Ecological Potential	Good	Unknown Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0132	MEGALO POTAMI STREAM_3	EL0132R000204034N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	TZAMIS STREAM_1	EL0132R000204131H	EXJ	Poor Ecological Potential	Good	Poor Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Poor Ecological Potential	Less than Good	Poor Ecological Potential		
R	EL0132	TZAMIS STREAM_2	EL0132R000204132N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	HOUHLOTOS STREAM	EL0132R000205035N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0132	MALTHIS STREAM	EL0132R000206036N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0132	KLISOUREIKO 2 STREAM	EL0132R000207037N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	VELIKA STREAM_1	EL0132R000300001N	NMN	Poor	Good	Poor	Good	Good	Good	Poor	Good	Poor	Fish fauna: Poor	
R	EL0132	VELIKA STREAM_2	EL0132R000300002N	GRP	Good	Good	Good	Good	Good	Good	Good	Good	Good		
R	EL0132	KLISOUREIKO STREAM	EL0132R000500003N	EXJ	Bad	Good	Bad	Good	Good	Good	Poor	Good	Poor	Macro invertebrates: Poor Fish fauna: Bad	
R	EL0132	MINAGIOTIKO STREAM_1	EL0132R000500004N	GRP	Poor	Good	Poor	Good	Good	Good	Unknown	Unknown	Unknown	Macro invertebrates: Poor Diatoms: Moderate	
R	EL0132	MINAGIOTIKO STREAM_2	EL0132R000500005N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	GIANNOUZAGAS STREAM_1	EL0132R000700006N	EXJ	Poor	Good	Poor	Good	Good	Good	Unknown	Unknown	Unknown	Fish fauna: Poor	
R	EL0132	GIANNOUZAGAS STREAM_2	EL0132R000700007N	GRP	Good	Good	Good	Moderate	Good	Moderate	Unknown	Unknown	Unknown		
R	EL0132	LAGOUVARDOS STREAM	EL0132R000900011N	GRP	Bad	Good	Bad	Moderate	Good	Moderate	Unknown	Unknown	Unknown	Macro invertebrates: Moderate Fish fauna: Bad	

					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	EL0132	FILIATRINO STREAM_1	EL0132R000900012N	GRP	Poor	Good	Poor	Good	Good	Good	Unknown	Unknown	Unknown	Macro invertebrates: Moderate Macrophytes: Moderate Fish fauna: Poor	
R	EL0132	FILIATRINO STREAM_2	EL0132R000900013H	EXJ	Moderate Ecological Potential	Good	Moderate Ecological Potential	Unknown Ecological Potential	Good	Unknown Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0132	FILIATRINO STREAM_3	EL0132R000900014N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	FILIATRINO STREAM_4	EL0132R000900015N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	SELAS STREAM	EL0132R000901008N	EXJ	Bad	Good	Bad	Moderate	Good	Moderate	Unknown	Unknown	Unknown	Macro invertebrates: Moderate Macrophytes: Poor Fish fauna: Bad	
R	EL0132	ALAFINOREMA STREAM	EL0132R000902009N	GRP	Good	Good	Good	Moderate	Good	Moderate	Unknown	Unknown	Unknown		
R	EL0132	KAMPIROVA STREAM	EL0132R000903010N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	KALO NERO STREAM_1	EL0132R001100016N	NMN	Bad	Good	Bad	Poor	Good	Poor	Poor	Good	Poor	Fish fauna: Bad	Nickel
R	EL0132	KALO NERO STREAM_2	EL0132R001100017N	EXJ	Good	Less than Good	Moderate	Moderate	Unknown	Unknown	Poor	Good	Poor		
R	EL0132	KALO NERO STREAM_3	EL0132R001100018N	GRP	Good	Good	Good	Moderate	Unknown	Unknown	Unknown	Unknown	Unknown		
R	EL0132	KALO NERO STREAM_4	EL0132R001100019N	GRP	Good	Good	Good	Good	Good	Good	Moderate	Good	Moderate		
R	EL0132	NEDA R._1	EL0132R001500020N	NMN	Poor	Good	Poor	Poor	Good	Poor	Moderate	Less than Good	Moderate	Fish fauna: Poor	Lead

					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	EL0132	NEDA R._2	EL0132R001500021N	NMN	Moderate	Good	Moderate	Moderate	Good	Moderate	Moderate	Good	Moderate	Macro invertebrates: Moderate Fish fauna: Moderate	
R	EL0132	NEDA R._3	EL0132R001500022N	GRP	Good	Good	Good	Good	Good	Good	Good	Good	Good		
R	EL0132	NEDON R._1	EL0132R001700045H	EXJ	Moderate Ecological Potential	Good	Moderate Ecological Potential	Moderate Ecological Potential	Good	Moderate Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential		
R	EL0132	NEDON R._2	EL0132R001700046N	EXJ	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	NEDON R._3	EL0132R001700047N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	NEDON R._4	EL0132R001700048N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0132	MILOI STREAM_1	EL0132R002100049N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	MILOI STREAM_2	EL0132R002100050N	GRP	Good	Good	Good	Good	Good	Good	Unknown	Unknown	Unknown		
R	EL0132	MILOI STREAM_3	EL0132R002100051N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
R	EL0132	KORYAS R.	EL0132R002300052N	EXJ	Good	Good	Good	-	-	-	-	-	-		

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 Western Peloponnese River Basin District (EL01) 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 Western Peloponnese RBD (EL01)

No	WB Name	WB Code	Category	Area (km²)	Perimeter (km)	WB Type
Alfios RB (EL0129)						
1	LADON ARTIF.LAKE	EL0129RL00208001H	HMWB	3,0	26,7	L-M8
Pamisos - Nedontas - Nedas RB (EL0132)						
1	FILIATRINO ARTIF.LAKE	EL0132RL00900001H	HMWB	0,5	7,8	L-M8

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

Table 4-6. Assessment of the status of the lake HMWB-reservoirs of the RBD of Western Peloponnese (EL01)

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
RL	EL0129	LADON ARTIF.LAKE	EL0129RL00208001H	√	-	Moderate Ecological Potential	Good	Moderate (2)	Moderate (2)	Moderate Ecological Potential
RL	EL0132	FILIATRINO ARTIF.LAKE	EL0132RL00900001H	√	-	Good Ecological Potential	Good	No Data (0)	No Data (0)	Good Ecological Potential

Table 4-7. Differences in the status of lake water bodies, including reservoirs, between the 1st RBMP and its 1st and 2nd Updates in the Western Peloponnese RBD (EL01)

					2nd RBMP Update			1st RBMP Update			1st RBMP				
Type of SWB	RB	WB Name	WB Code	Charaxterization 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
RL	EL0129	LADON ARTIF.LAKE	EL0129RL00208001H	NMN	Moderate Ecological Potential	Good	Moderate Ecological Potential	Good Ecological Potential	Good	Good Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	Phytoplankton: Less than Good	Molybdenum and its compounds, Nickel
RL	EL0132	FILIATRINO ARTIF.LAKE	EL0132RL00900001H	EXJ	Good Ecological Potential	Good	Good Ecological Potential	Unknown Ecological Potential	Unknown	Unknown Ecological Potential	-	-	-		

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 Western Peloponnese River Basin District (EL01) 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 Western Peloponnese RBD (EL01)

No	WB Name	WB Code	Category	Area (km^2)	Perimeter (km)	WB Type
Alfios RB (EL0129)						
1	ALFIOS R. ESTUARIES	EL0129T0001N	NAT	0,03	1,5	TW2
2	KAIAFAS LAGOON	EL0129T0002H	HMWB	1,51	9,9	TW1
Pamisos - Nedontas - Nedas RB (EL0132)						
1	YALOVA LAGOON	EL0132T0003N	NAT	1,43	5,6	TW1

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

Table 4-9. Assessment of the status of transitional water bodies of the Western Peloponnese RBD (EL01)

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	EL0129	ALFIOS R. ESTUARIES	EL0129T0001N	-	√	Good	Good	No Data (0)	No Data (0)	Good
T	EL0129	KAIAFAS LAGOON	EL0129T0002H	√	√	Poor Ecological Potential	Good	High (3)	Moderate(2)	Poor Ecological Potential
T	EL0132	YALOVA LAGOON	EL0132T0003N	-	√	Poor	Good	High (3)	Moderate (2)	Poor

Table 4-10. Differences in the status of transitional water bodies between the first RBMP and its 1st and 2nd Updates in the Western Peloponnese RBD (EL01)

					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	EL0129	ALFIOS R. ESTUARIES	EL0129T0001N	EXL	Good	Good	Good	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		
T	EL0129	KAIAFAS LAGOON	EL0129T0002H	NMN	Insufficient Ecological Potential	Good	Insufficient Ecological Potential	Incomplete	Good	Incomplete	Good	Unknown	Unknown	Physicochemical: Moderate Phytoplankton: Moderate Benthic Macroinvertebrates: Incomplete	
T	EL0132	YALOVA LAGOON	EL0132T0003N	NMN	Incomplete	Good	Incomplete	Incomplete	Good	Incomplete	Moderate	Unknown	Unknown	Physicochemical: Moderate Phytoplankton: Moderate Benthic Macroinvertebrates:: Incomplete	

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

It is noted that the Kaiafas Lagoon in the previous 2 management cycles was a Natural WB

4.1.4 Coastal Water Bodies

The typology and classification of the status of the coastal water bodies of the Western Peloponnese River Basin District (EL01) 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 Western Peloponnese RBD (EL01)

No	WB Name	WB Code	Category	Area (km^2)	Perimeter (km)	WB Type
Alfios RB (EL0129)						
1	KATAKOLO CAPE	EL0129C0001N	NAT	14,6	11,9	IIIE
2	KIPARISSIAKOS GULF	EL0129C0002N	NAT	139,2	69,8	IIIE
Pamisos - Nedontas - Nedas RB (EL0132)						
1	GREEK COASTS OF MESSINIA IN THE IONIAN SEA	EL0132C0003N	NAT	129,4	91,7	IIIE
2	NAVARINO BAY (PILOS)	EL0132C0004N	NAT	17,8	24,3	IIIE
3	METHONI CHANNEL	EL0132C0005N	NAT	8,5	13,8	IIIE
4	METHONI BAY	EL0132C0006N	NAT	152,1	84,5	IIIE
5	AKRITAS CAPE	EL0132C0007N	NAT	51,5	26,1	IIIE
6	KALAMATA GULF	EL0132C0008N	NAT	345,2	76,5	IIIE
7	TAINARO - MESSINIAKOS	EL0132C0009N	NAT	171,2	163,3	IIIE
8	METHONI WEST COAST	EL0132C0010N	NAT	1,1	6,8	IIIE
9	TAINAROS ISLET	EL0132C0011N	NAT	11,1	0,2	IIIE

Table 4-12. Assessment of the status of the coastal water bodies of the Western Peloponnese (EL01)

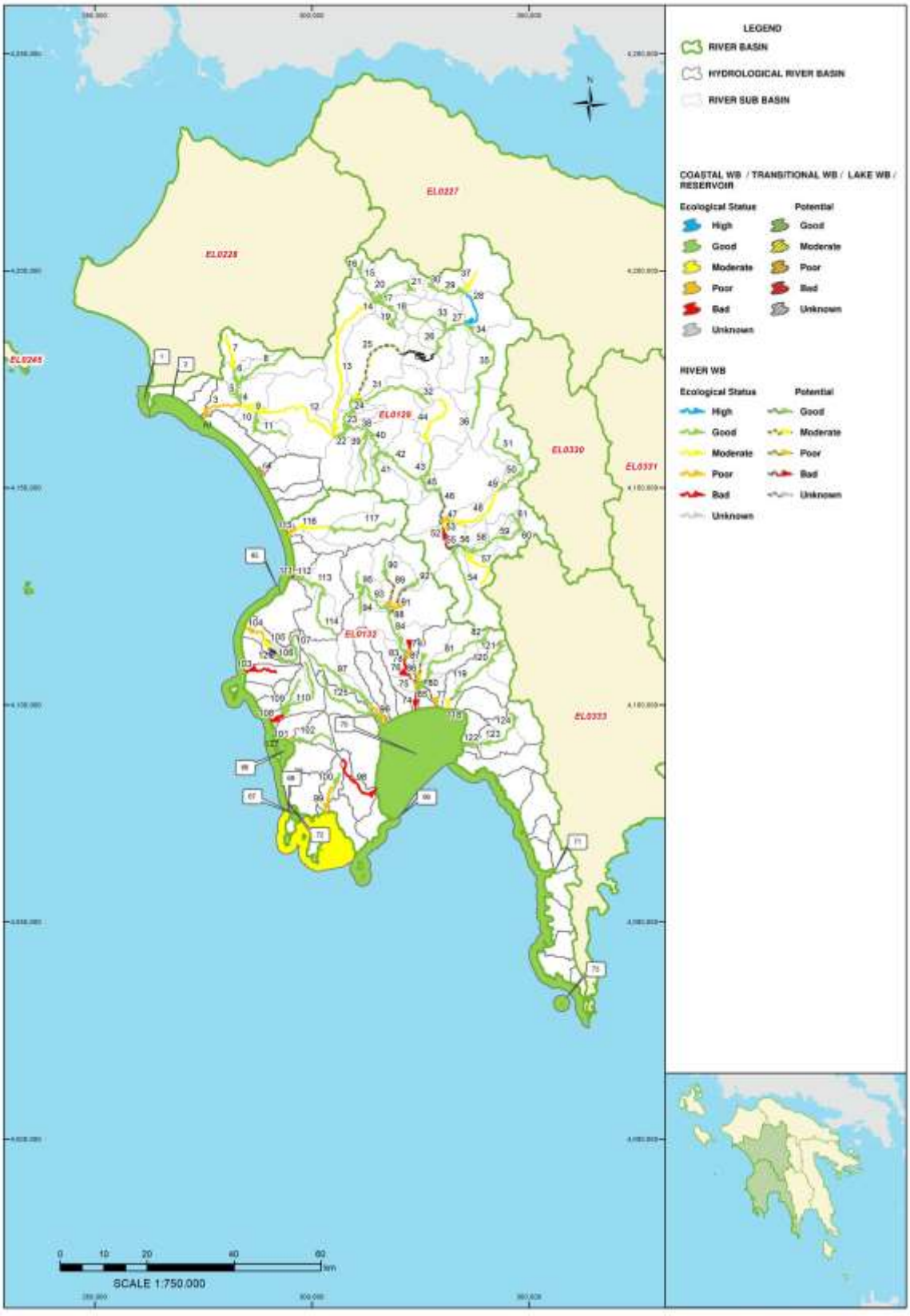
Type of SWB	RB	WB Name	WB Code	AWB/HMWB	Connection to protected areas	Ecological status/potential	Chemical Status	Ecological Status confidence level	Chemical Status confidence level	Overall condition/potential
C	EL0129	KATAKOLO CAPE	EL0129C0001N	-	√	Good	Good	Low (1)	No Data (0)	Good
C	EL0129	KIPARISSIAKOS GULF	EL0129C0002N	-	√	Good	Good	Low (1)	No Data (0)	Good
C	EL0132	GREEK COASTS OF MESSINIA IN THE IONIAN SEA	EL0132C0003N	-	√	Good	Good	Low (1)	No Data (0)	Good
C	EL0132	NAVARINO BAY (PILOS)	EL0132C0004N	-	√	Good	Good	Moderate (2)	Moderate (2)	Good
C	EL0132	METHONI CHANNEL	EL0132C0005N	-	√	Good	Good	High (3)	No Data (0)	Good
C	EL0132	METHONI BAY	EL0132C0006N	-	√	Moderate	Good	High (3)	No Data (0)	Moderate
C	EL0132	AKRITAS CAPE	EL0132C0007N	-	√	Good	Good	Low (1)	No Data (0)	Good
C	EL0132	KALAMATA GULF	EL0132C0008N	-	√	Good	Good	High (3)	Moderate (2)	Good
C	EL0132	TAINARO - MESSINIAKOS	EL0132C0009N	-	√	Good	Good	Low (1)	No Data (0)	Good
C	EL0132	METHONI WEST COAST	EL0132C0010N	-	√	Good	Good	Low (1)	No Data (0)	Good
C	EL0132	TAINAROS ISLET	EL0132C0011N	-	√	Good	Good	Low (1)	No Data (0)	Good

Table 4-13. Differences in the status of coastal water bodies between the 1st RBMP and its 1st and 2nd Updates in the Western Peloponnese RBD (EL01)

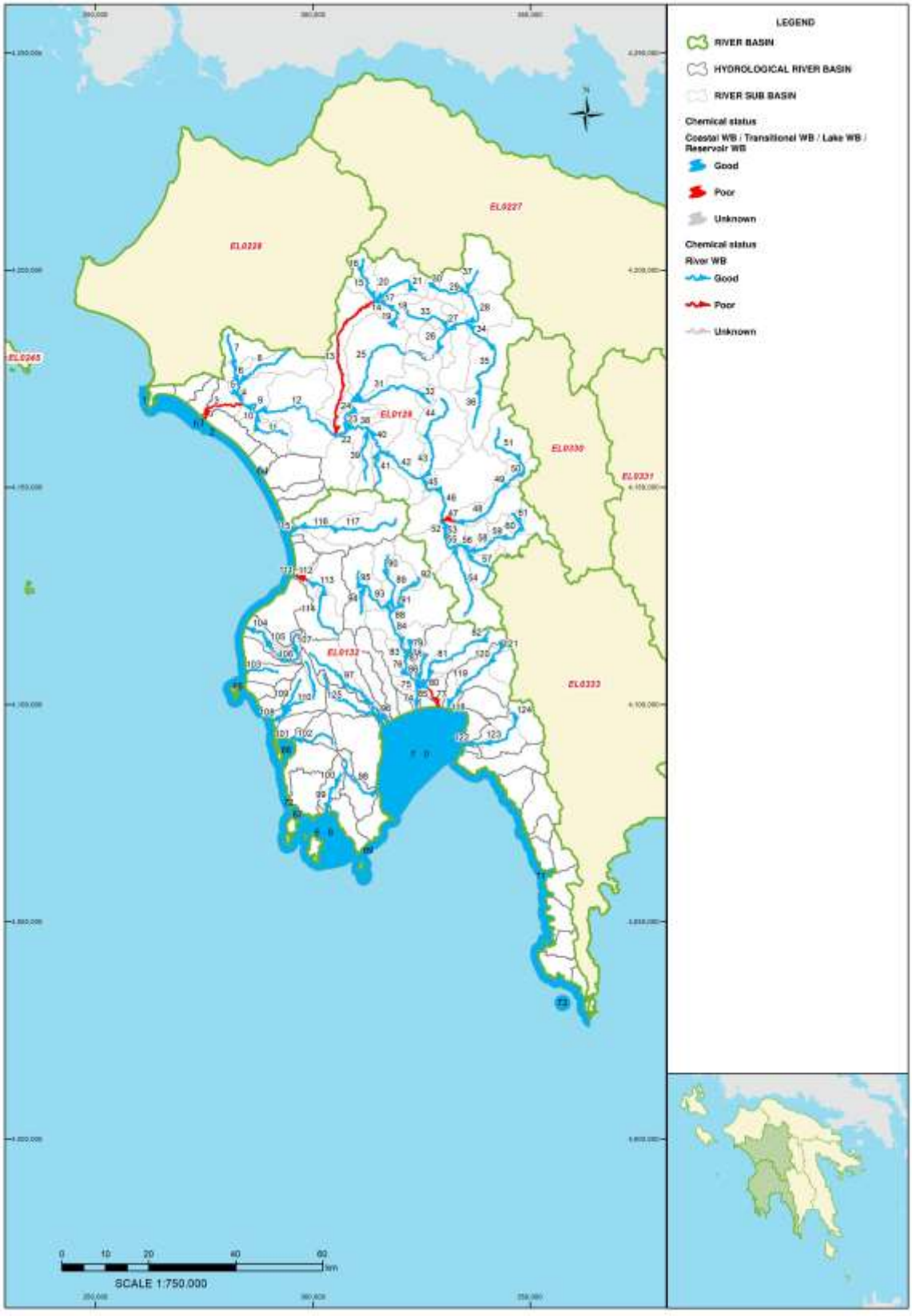
					2nd RBMP Update			1st RBMP Update			1st RBMP				
Type of SWB	RB	WB Name	WB Code	Characterization method	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Ecological status/potential	Chemical Status	Overall condition/potential	Remarks - Qualitative data	Remarks - Exceedings
C	EL0129	KATAKOLO CAPE	EL0129C0001N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0129	KIPARISSIAKOS GULF	EL0129C0002N	GRP	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
C	EL0132	GREEK COASTS OF MESSINIA IN THE IONIAN SEA	EL0132C0003N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0132	NAVARINO BAY (PILOS)	EL0132C0004N	NMN	Good	Good	Good	Moderate	Good	Moderate	Good	Unknown	Unknown		
C	EL0132	METHONI CHANNEL	EL0132C0005N	EXJ	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0132	METHONI BAY	EL0132C0006N	EXJ	Moderate	Good	Moderate	Good	Good	Good	High	Unknown	Unknown	Benthic Macroinvertebrates: Moderate	
C	EL0132	AKRITAS CAPE	EL0132C0007N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0132	KALAMATA GULF	EL0132C0008N	NMN	Good	Good	Good	Good	Good	Good	Good	Unknown	Unknown		
C	EL0132	TAINARO - MESSINIAKOS	EL0132C0009N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0132	METHONI WEST COAST	EL0132C0010N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		
C	EL0132	TAINAROS ISLET	EL0132C0011N	GRP	Good	Good	Good	Good	Good	Good	High	Unknown	Unknown		

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

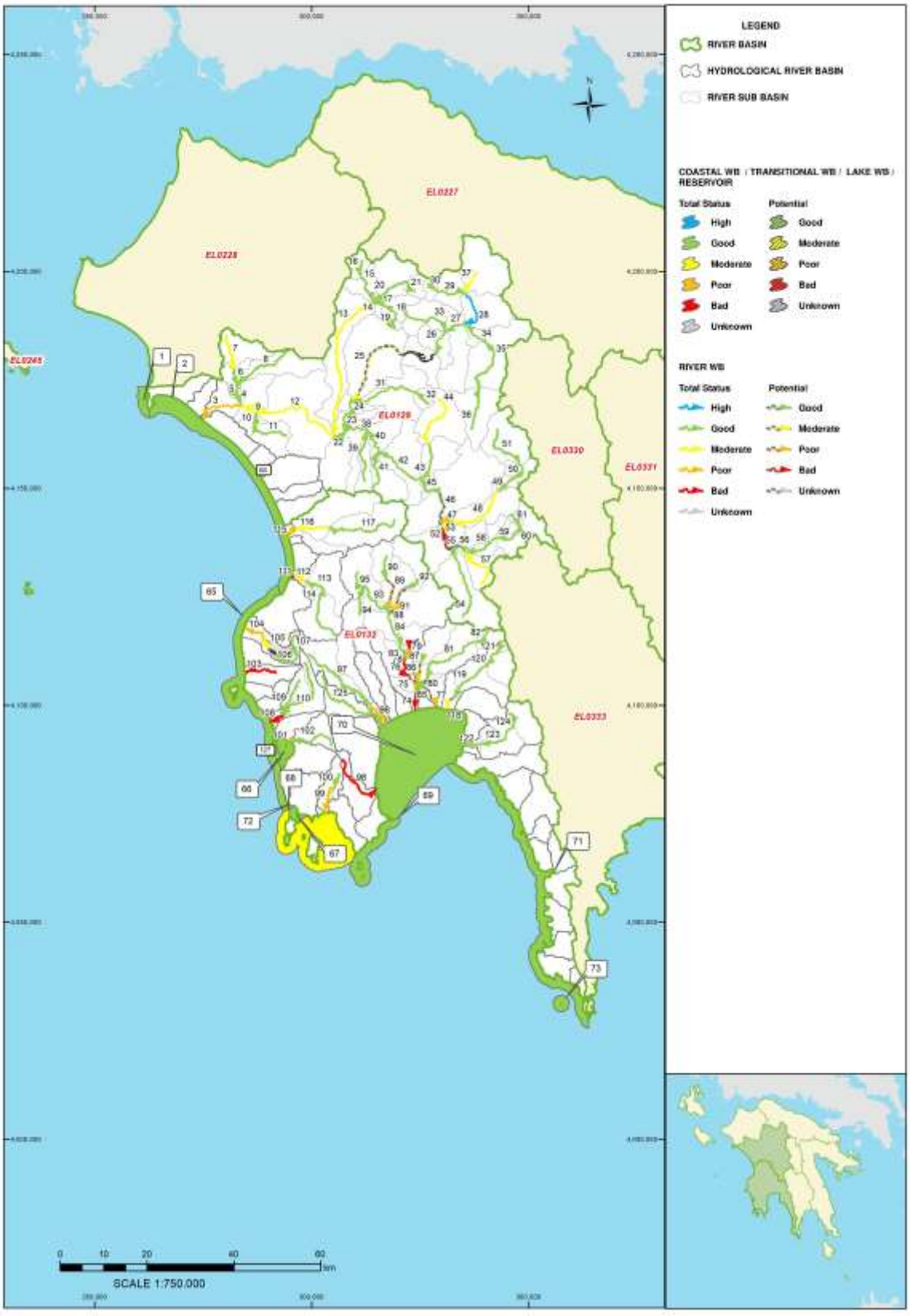
Note: In the cases where "EXJ" is written in the relevant column and Remarks regarding the measurements of ecological status assessment parameters are mentioned, the expert's judgment concerns the assessment of the chemical status



Map 4-2. Ecological status of surface waters of the River Basin District EL01



Map 4-3. Chemical Status of surface WB of the River Basin District EL01



Map 4-4. Overall status of surface WB of the River Basin District EL01

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. The GWB of the Western Peloponnese River Basin District (EL01), as evaluated during the 2nd RBMP Update, are presented below:

Table 4-14. Groundwater Bodies of the Western Peloponnese RBD (EL01)

No	GWB Name	GWB Code	Area (km²)
Alfios RB (EL0129)			
1	Systima Alfeiou	EL0100010	981,41
2	Systima Notiou Erymanthou	EL0100020	456,99
3	Systima Ladona	EL0100030	450,62
4	Systima Lagkadion	EL0100040	342,34
5	Systima Methydriou - Pianas	EL0100050	47,51
6	Systima Elissona	EL0100060	425,56
7	Systima Megalopolis	EL0100070	189,37
8	Systima Karytenas - Stemnitsas	EL0100220	76,30
9	Systima Lousiou - Paloumpas	EL0100230	339,39
10	Systima Minthis	EL0100240	161,11
11	Systima Zacharos	EL0100250	97,70
12	Systima Kaiafa	EL0100260	17,85
Pamisos - Nedontas - Nedas RB (EL0132)			
1	Systima Agiou Florou - Pidimatos	EL0100080	424,01
2	Systima Taygetou	EL0100090	430,08
3	Systima Pamisou	EL0100100	283,21
4	Systima Koronis	EL0100110	175,82
5	Systima Methonis	EL0100120	224,31
6	Systima Kynigou	EL0100130	52,64
7	Systima Romanou - Choras	EL0100140	194,62
8	Systima Gargalianon	EL0100150	38,26
9	Systima Choras	EL0100160	117,64
10	Systima Filiatron - Kyparissias	EL0100170	107,50
11	Systima Kalou Nerou- Nedas	EL0100180	130,71
12	Systima Kyparissias - Ithomis	EL0100190	470,66
13	Systima Ano Messinias	EL0100200	109,40
14	Systima Diavolitsiou - Neas Figaleias	EL0100210	514,84
15	Systima Alagonias	EL0100270	101,78

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 Alfios (EL0129)

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 of article A7	Observations
1	EL0100010	Systima Alfeiou	Good	Good		Locally elevated Cl levels	Crops, Livestock, Industry, Urbanization WTP	Coastal in a small area	NO	-
2	EL0100020	Systima Notiou Erymanthou	Good	Good	-	-	-	NO	NO	-
3	EL0100030	Systima Ladona	Good	Good	-	-	-	NO	NO	-
4	EL0100040	Systima Lagkadion	Good	Good	-	-	-	NO	NO	-
5	EL0100050	Systima Methydriou - Pianas	Good	Good	-	-	-	NO	YES	-
6	EL0100060	Systima Elissona	Good	Good	-	-	-	NO	NO	-
7	EL0100070	Systima Megalopolis	Good	Good	-	-	Industry, AIS PPC, Urbanization	NO	NO	-
8	EL0100220	Systima Karytenas - Stemnitsas	Good	Good	-	-	-	NO	NO	-
9	EL0100230	Systima Lousiou - Paloumpas	Good	Good	-	-	-	NO	NO	-
10	EL0100240	Systima Minthis	Good	Good	-	-	-	NO	NO	-
11	EL0100250	Systima Zacharos	Good	Good		Locally elevated levels NO_3, Fe and Mn	Crops, Industry, Urbanization	NO	NO	-
12	EL0100260	Systima Kaiafa	Good	Good	Cl, EC, SO_4, As, NH_4 and NO_2	-	-	NO	NO	-

Table 4-16. Chemical and Quantitative status of groundwater bodies in the RB of Pamisos - Nedontas - Nedas (EL0132)

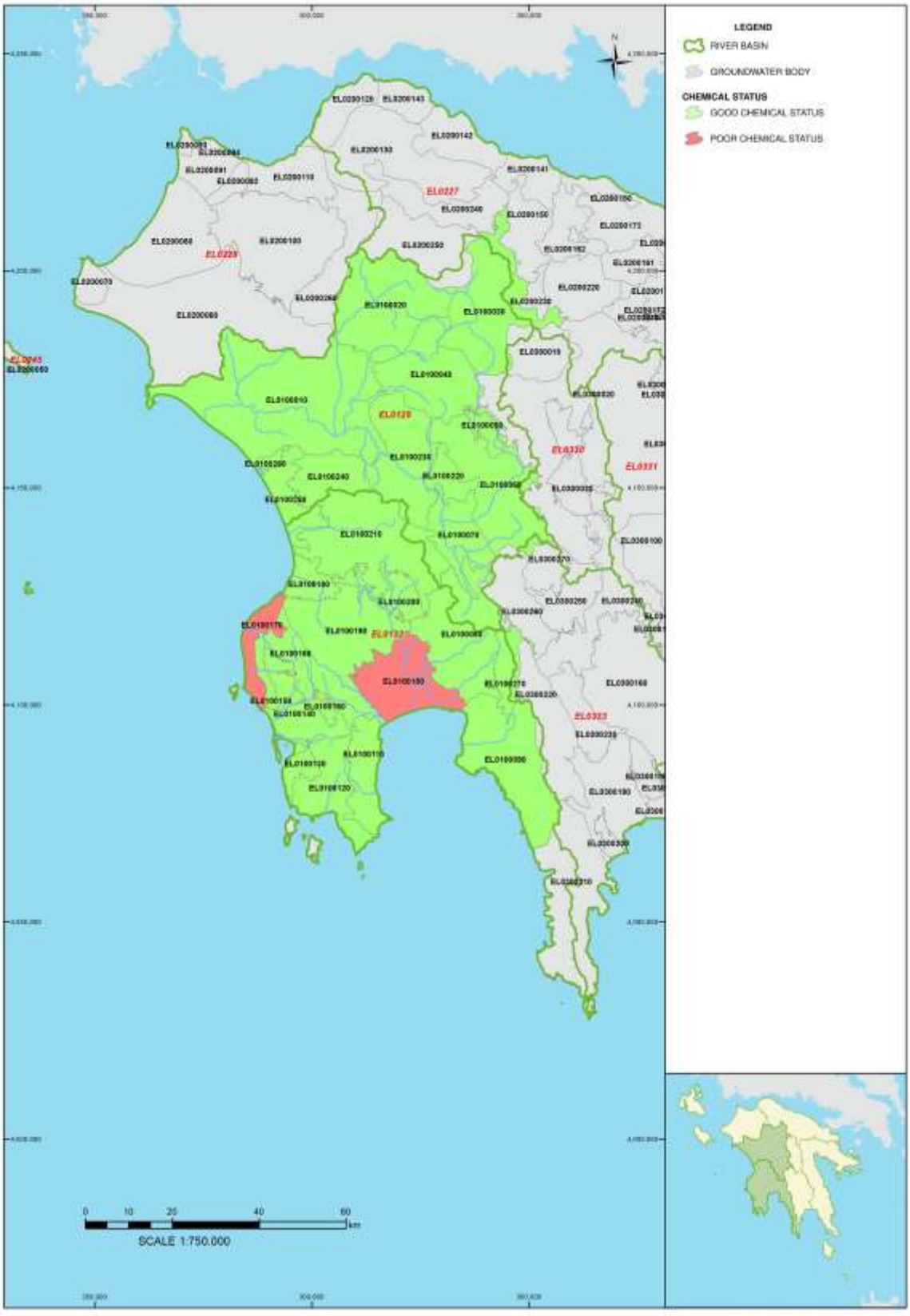
No	GWB Name	GWB Code	Chemical Status	Quantitative status	Increased element values due to natural background	Increased values of Anthropogenic Influence items	Main Pressures	Seawater infiltration	Register of protected areas of article A7	Observations
1	EL0100080	Systima Agiou Florou - Pidimatos	Good	Good	-	-	-	NO	YES	-
2	EL0100090	Systima Taygetou	Good	Good	Cl	Locally elevated levels NO_3 and Fe	Crops, Urbanization (western part)	In the coastal zone	NO	-
3	EL0100100	Systima Pamisou	Bad	Good	-	NO_3 excesses and locally elevated Fe and Mn levels	Crops, Industry, Urbanization	NO	NO	-
4	EL0100110	Systima Koronis	Good	Good	-	-	-	NO	NO	-
5	EL0100120	Systima Methonis	Good	Good	-	-	-	NO	NO	-
6	EL0100130	Systima Kynigou	Good	Good	-	Cl	-	In the coastal zone	NO	-
7	EL0100140	Systima Romanou - Choras	Good	Good	-	locally elevated EC, Cl levels	Crops Industry	In the coastal zone	NO	-
8	EL0100150	Systima Gargalianon	Good	Good	-	-	-	NO	YES	-
9	EL0100160	Systima Choras	Good	Good	-	-	Local Wastewater	NO	YES	-
10	EL0100170	Systima Filiatron - Kyparissias	Bad	Good	-	excesses NO_3, SO_4, Cl, Fe	Crops Industry, Urbanization	In the coastal zone	NO	-
11	EL0100180	Systima Kalou Nerou- Nedas	Good	Good	-	locally elevated EC, Cl, SO_4 levels	-	In the coastal zone	NO	-
12	EL0100190	Systima Kyparissias - Ithomis	Good	Good	-	-	-	NO	NO	-
13	EL0100200	Systima Ano Messinias	Good	Good	-	-	Crops, Urbanization	NO	NO	-
14	EL0100210	Systima Diavolitsiou - Neas Figaleias	Good	Good	-	-	-	NO	NO	-
15	EL0100270	Systima Alagonias	Good	Good	-	-	-	NO	NO	-

Table 4-17. Change in the GWB status between the 1st RBMP and its 1st and 2nd Updates for Alfios RB (EL0129)

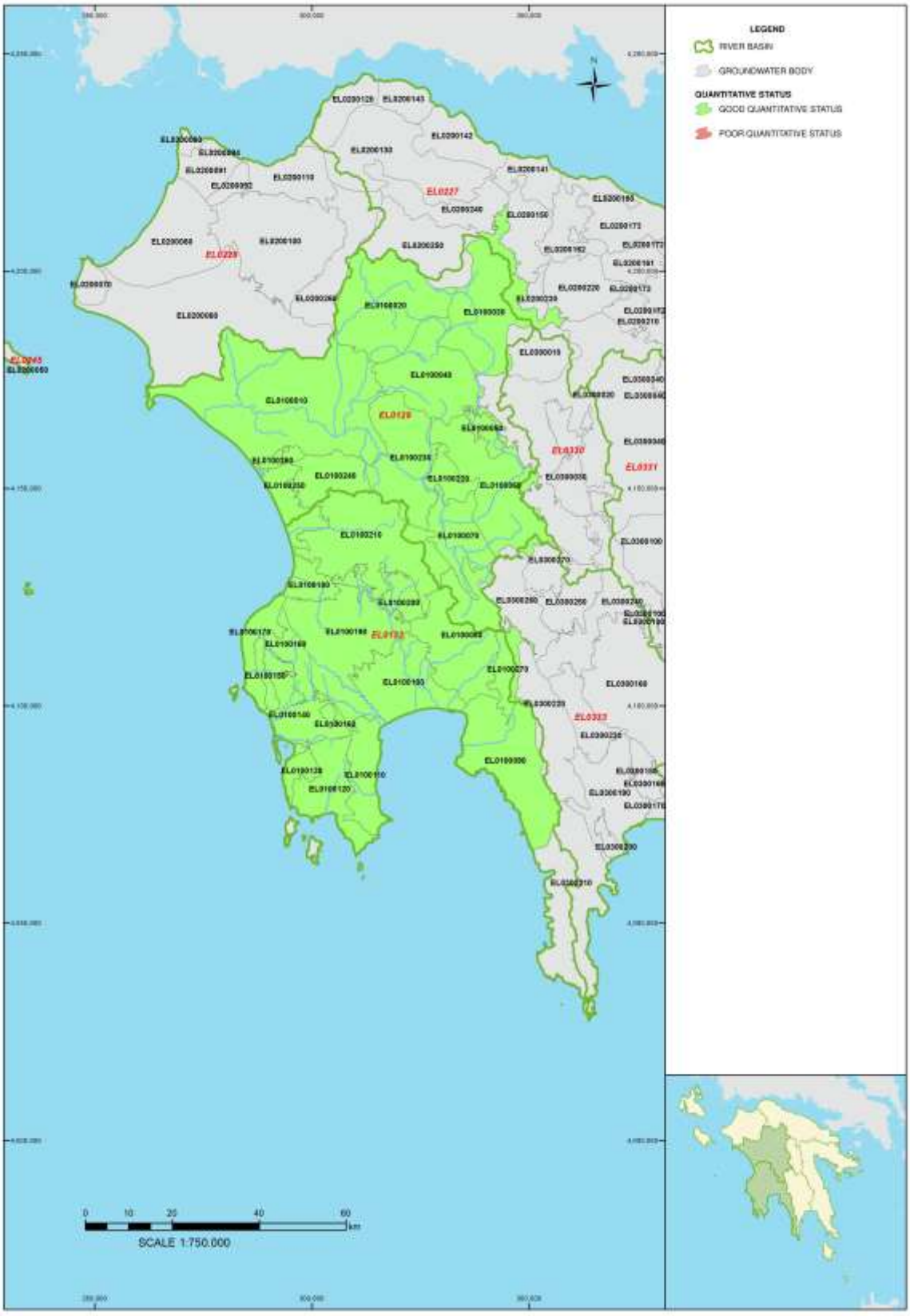
GWB Code	GWB Name	2nd RBMP Update		1st RBMP Update		1st RBMP	
		Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status
EL0100010	Systima Alfeiou	Good	Good	Good	Good	Good	Good
EL0100020	Systima Notiou Erymanthou	Good	Good	Good	Good	Good	Good
EL0100030	Systima Ladona	Good	Good	Good	Good	Good	Good
EL0100040	Systima Lagkadion	Good	Good	Good	Good	Good	Good
EL0100050	Systima Methydriou - Pianas	Good	Good	Good	Good	Good	Good
EL0100060	Systima Elissona	Good	Good	Good	Good	Good	Good
EL0100070	Systima Megalopolis	Good	Good	Good	Good	Good	Good
EL0100220	Systima Karytenas - Stemnitsas	Good	Good	Good	Good	Good	Good
EL0100230	Systima Lousiou - Paloumpas	Good	Good	Good	Good	Good	Good
EL0100240	Systima Minthis	Good	Good	Good	Good	Good	Good
EL0100250	Systima Zacharos	Good	Good	Good	Good	Good	Good
EL0100260	Systima Kaiafa	Good	Good	Good	Good	Good	Good

Table 4-18. Change in the GWB status between the 1st RBMP and its 1st and 2nd Updates for Pamisos - Nedontas - Nedas RB (EL0132)

GWB Code	GWB Name	2nd RBMP Update		1st RBMP Update		1st RBMP	
		Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Quantitative status	Qualitative (chemical) status	Qualitative (chemical) status
EL0100080	Systima Agiou Florou - Pidimatos	Good	Good	Good	Good	Good	Good
EL0100090	Systima Taygetou	Good	Good	Good	Good	Good	Good
EL0100100	Systima Pamisou	Bad	Good	Bad	Bad	Bad	Bad
EL0100110	Systima Koronis	Good	Good	Good	Good	Good	Good
EL0100120	Systima Methonis	Good	Good	Good	Good	Good	Good
EL0100130	Systima Kynigou	Good	Good	Good	Good	Good	Good
EL0100140	Systima Romanou - Choras	Good	Good	Good	Good	Good	Good
EL0100150	Systima Gargalianon	Good	Good	Good	Good	Good	Good
EL0100160	Systima Choras	Good	Good	Good	Good	Good	Good
EL0100170	Systima Filiatron - Kyparissias	Bad	Good	Bad	Good	Bad	Bad
EL0100180	Systima Kalou Nerou- Nedas	Good	Good	Good	Good	Good	Good
EL0100190	Systima Kyparissias - Ithomis	Good	Good	Good	Good	Good	Good
EL0100200	Systima Ano Messinias	Good	Good	Good	Good	Good	Good
EL0100210	Systima Diavolitsiou - Neas Figaleias	Good	Good	Good	Good	Good	Good
EL0100270	Systima Alagonias	Good	Good	Good	Good	-	-



Map 4-5. Qualitative (chemical) status of the GWB of the River Basin District of Western Peloponnese (EL01)



Map 4-6. Quantitative status of the GWB of the River Basin District of Western Peloponnese (EL01)

Below is a note with the codes and names of the GWB of the EL01 presented on the above maps.

Legend Map 4-2:

GWB Code	GWB Name	GWB Code	GWB Name
EL0100010	Systima Alfeiou	EL0100100	Systima Pamisou
EL0100020	Systima Notiou Erymanthou	EL0100110	Systima Koronis
EL0100030	Systima Ladona	EL0100120	Systima Methonis
EL0100040	Systima Lagkadion	EL0100130	Systima Kynigou
EL0100050	Systima Methydriou - Pianas	EL0100140	Systima Romanou - Choras
EL0100060	Systima Elissona	EL0100150	Systima Gargalianon
EL0100070	Systima Megalopolis	EL0100160	Systima Choras
EL0100220	Systima Karytenas - Stemnitsas	EL0100170	Systima Filiatron - Kyparissias
EL0100230	Systima Lousiou - Paloumpas	EL0100180	Systima Kalou Nerou- Nedas
EL0100240	Systima Minthis	EL0100190	Systima Kyparissias - Ithomis
EL0100250	Systima Zacharos	EL0100200	Systima Ano Messinias
EL0100260	Systima Kaiafa	EL0100210	Systima Diavolitsiou - Neas Figaleias
EL0100080	Systima Agiou Florou - Pidimatos	EL0100270	Systima Alagonias
EL0100090	Systima Taygetou		

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, 19 heavily modified and 2 artificial water bodies were identified in the Western Peloponnese RBD (EL01) out of a total of 127 surface water bodies.

The following tables present the water bodies, which were definitively characterized as heavily modified and artificial by River Basin of the Western Peloponnese RBD (EL01).

Table 4-19. Heavily Modified River, Coastal and Transitional Water Bodies in the Western Peloponnese RBD (EL01)

WB Code	Project	WB Name	AWB-HMWB	Type of WB	Length/ Surface of WB (km/km^2)	Designated Use
Alfios RB (EL0129)						
EL0129R000208025H	DAM	LADON R._3	HMWB	R-M2	23,3	Hydroelectric power production, Irrigation
EL0129R000215044H	RELINING	ALFIOS R._9	HMWB	R-M2	12,5	Lignite mine operation
EL0129R000217050H	RELINING	ALFIOS R._10	HMWB	R-M2	2,6	Lignite mine operation
EL0129T0002H (*)	COASTLINE CONFIGURATION	KAIAFAS LAGOON	HMWB	TW1	1,51	Recreational activities, Spas
Pamisos - Nedontas - Nedas RB (EL0132)						
EL0132R000900013H	RELINING	FILIATRINO STREAM_2	HMWB	R-M1	4,9	Irrigation
EL0132R000201023H	RELINING	PAMISOS R._1	HMWB	R-M2	4,0	Irrigation, Flood protection
EL0132R000201024H	RELINING	PAMISOS R._2	HMWB	R-M2	4,8	Irrigation, Flood protection
EL0132R000202026H	RELINING	AGIOS FLOROS STREAM_1	HMWB	R-M1	2,5	Irrigation, Flood protection
EL0132R000202027H	RELINING	AGIOS FLOROS STREAM_2	HMWB	R-M1	4,1	Irrigation, Flood protection
EL0132R000204030H	RELINING	MEGALO POTAMI STREAM_1	HMWB	R-M2	1,2	Flood protection
EL0132R000204131H	RELINING	TZAMIS STREAM_1	HMWB	R-M2	6,4	Flood protection
EL0132R000204033H	RELINING	MEGALO POTAMI STREAM_2	HMWB	R-M1	8,2	Flood protection
EL0132R000201038H	RELINING	ARIS R._1	HMWB	R-M4	5,4	Irrigation, Flood protection
EL0132R000202039H	RELINING	TZIROREMA STREAM_1	HMWB	R-M4	2,8	Irrigation, Flood protection
EL0132R000203042H	RELINING	ARIS R._2	HMWB	R-M4	2,5	Irrigation, Flood protection
EL0132R000203043H	RELINING	ARIS R._3	HMWB	R-M4	4,8	Irrigation, Flood protection
EL0132R001700045H	RELINING	NEDON R._1	HMWB	R-M5	3,3	Flood protection

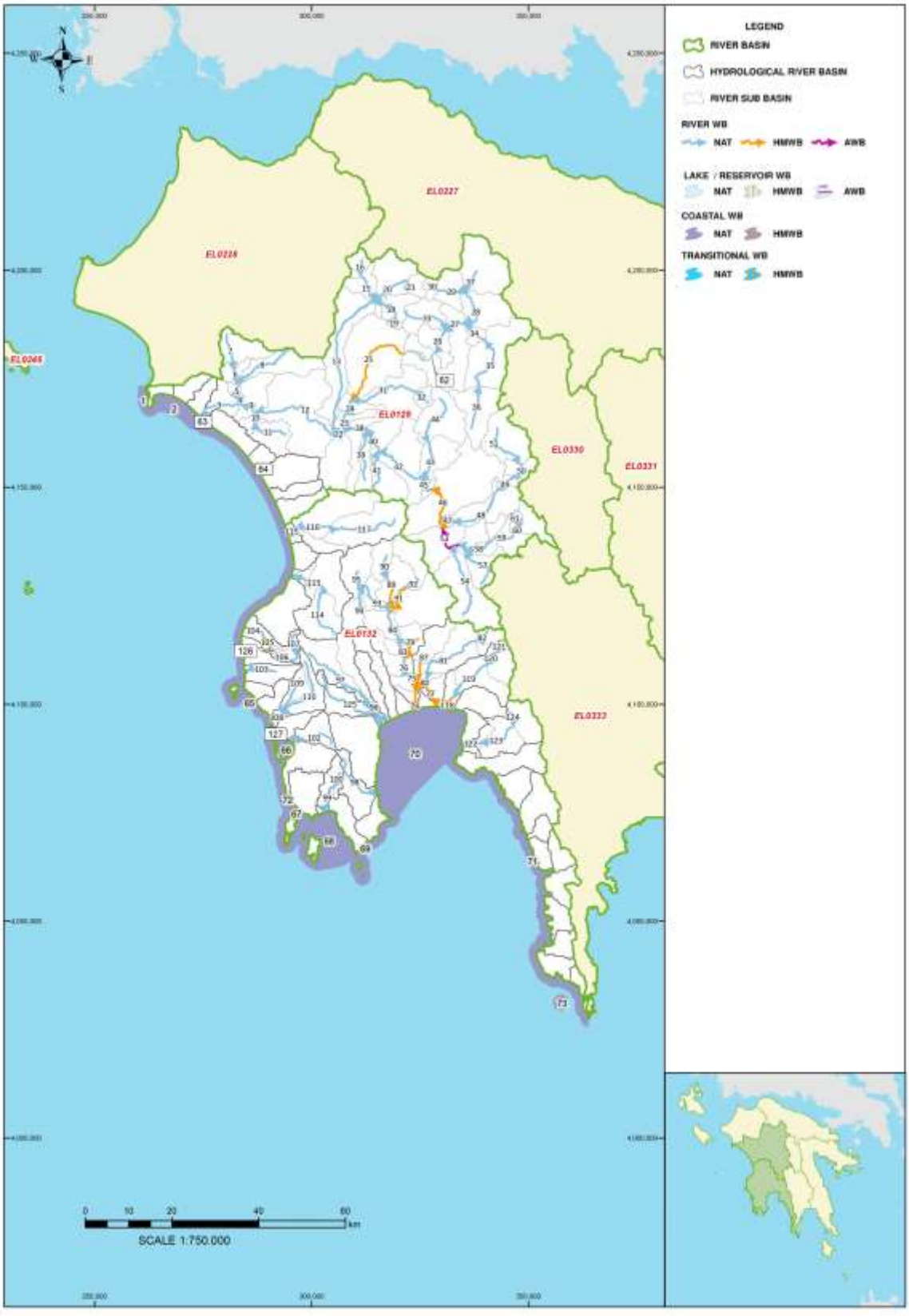
Note: (*) *Addition during the preparation of the 2nd Update of RBMP*

Table 4-20. Artificial River Water Bodies in the Western Peloponnese RBD (EL01)

WB Code	Project	WB Name	AWB-HMWB	Type of WB	Length/ Surface of WB (km/km^2)	Designated Use
EL0129R000217051A	DIVERSION	ALFIOS R. DIVERSION_1	AWB	R-M2	6,5	Exploitation of Megalopolis lignite mine
EL0129R000219053A	DIVERSION	ALFIOS R. DIVERSION_2	AWB	R-M2	1,0	Exploitation of Megalopolis lignite mine

Table 4-21. Heavily Modified Lake WB - reservoirs in the Western Peloponnese RBD (EL01)

WB Code	Project	WB Name	AWB-HMWB	Type of WB	Length/ Surface of WB (km/km^2)	Designated Use
Alfios RB (EL0129)						
EL0129RL00208001H	ARTIFICIAL LAKE	LADON ARTIF. LAKE	HMWB	L-M8	9,7	Hydroelectric power production, Irrigation
Pamisos - Nedontas - Nedas RB (EL0132)						
EL0132RL00900001H	ARTIFICIAL LAKE	FILIATRINO ARTIF. LAKE	HMWB	L-M8	2,0	Irrigation



Map 4-7. Heavily Modified and Artificial Water Bodies in the Western Peloponnese (EL01)

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),

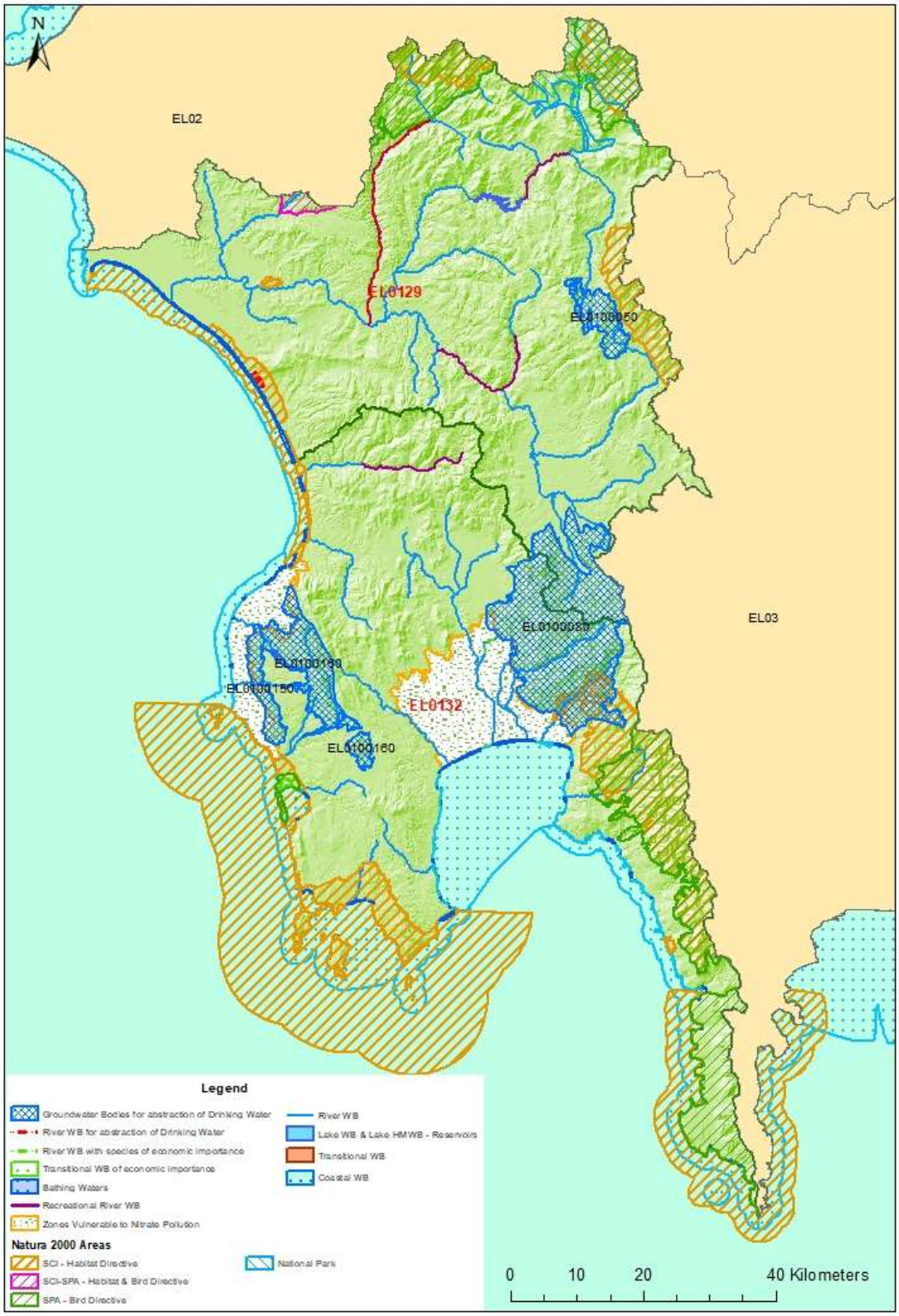
b) Areas intended for the protection of aquatic species of economic importance,

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 Western Peloponnese (EL01) are shown below.



Map 4-8. Protected areas in the RBD of Western Peloponnese (EL01)

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 EL01

	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	EL0129	EL0132	EL0129	EL0132	EL0129	EL0132	EL01	EL01	EL01
Industrial Units	142,48	1.457,93	8,06	34,7	1,61	11,36	1.600,41	42,8	12,97
Wastewater Treatment Plants	64,54	33,06	67,06	15,31	19,70	12,36	97,60	82,38	32,05
Discharge of sewage networks to a natural receiver	132,25	13,80	26,45	2,8	5,52	0,58	146,05	29,2	6,10
Livestock Units	84,30	131,69	57,52	54,96	9,41	6,36	215,99	112,48	15,77
Large hotel units	0,00	0,98	0,00	1,5	0,00	0,32	0,98	1,55	0,32
Aquaculture - Fish farming	66,64	8,46	13,40	1,70	2,25	0,29	75,10	15,10	2,54
Sites for the uncontrolled disposal of waste and landfills	0,27	1,10	0,21	0,88	0,01	0,04	1,37	1,10	0,05
TOTAL	**490,48**	**1.647,02**	**172,71**	**111,87**	**38,49**	**31,31**	**2.137,51**	**284,59**	**69,80**

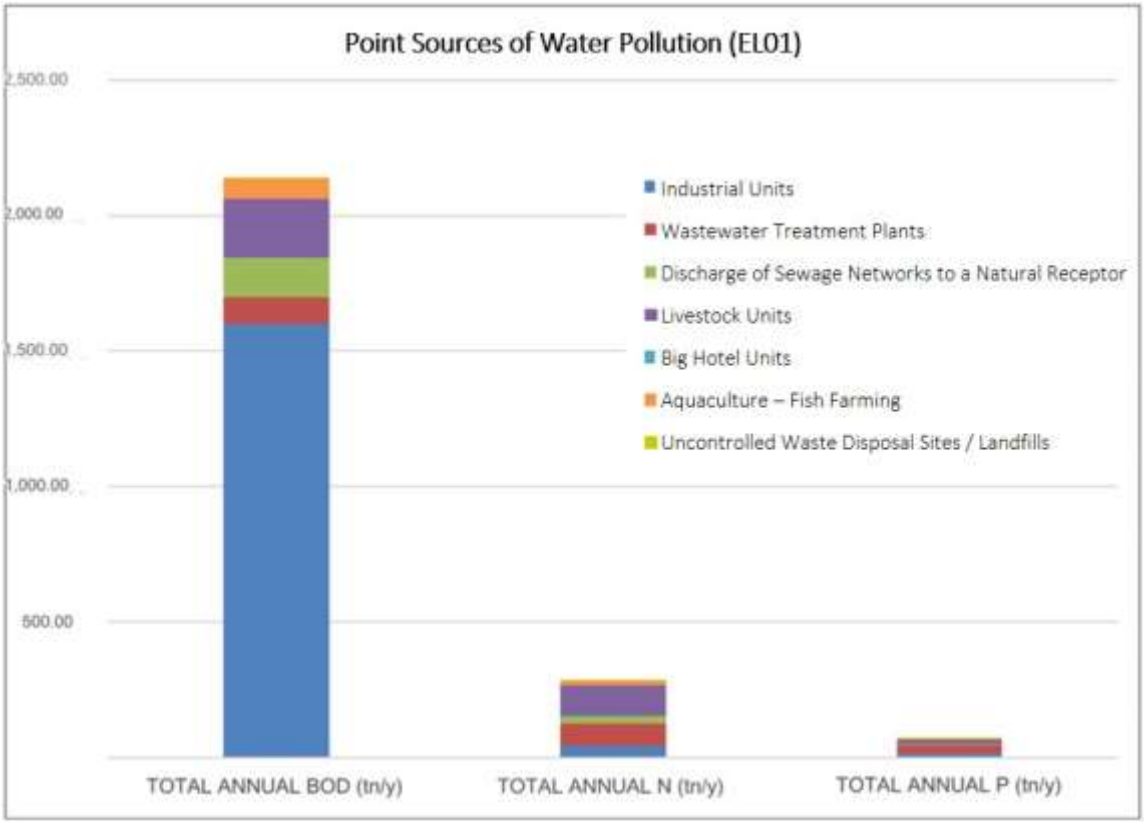


Figure 5-1. Total annual loads of BOD, N and P in the SWB and GWB produced in RBD EL01 by point sources of pollution

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 EL01

	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	EL0129	EL0132	EL0129	EL0132	EL0129	EL0132	EL01	EL01	EL01
OTHER SOURCES	0,00	0,00	159,19	117,53	13,05	11,08	0,00	276,72	24,13
URBAN	747,78	1.474,99	213,65	421,43	44,51	87,80	2.222,77	635,08	132,31
AGRICULTURE	0,00	0,00	101,73	200,50	29,67	58,37	0,00	302,23	88,04
ANIMAL HUSBADRY	126,34	67,13	136,52	58,73	15,43	6,81	193,46	195,26	22,24
TOTAL	**874,12**	**1.542,12**	**611,09**	**798,19**	**102,65**	**164,07**	**2.416,23**	**1.409,28**	**266,72**

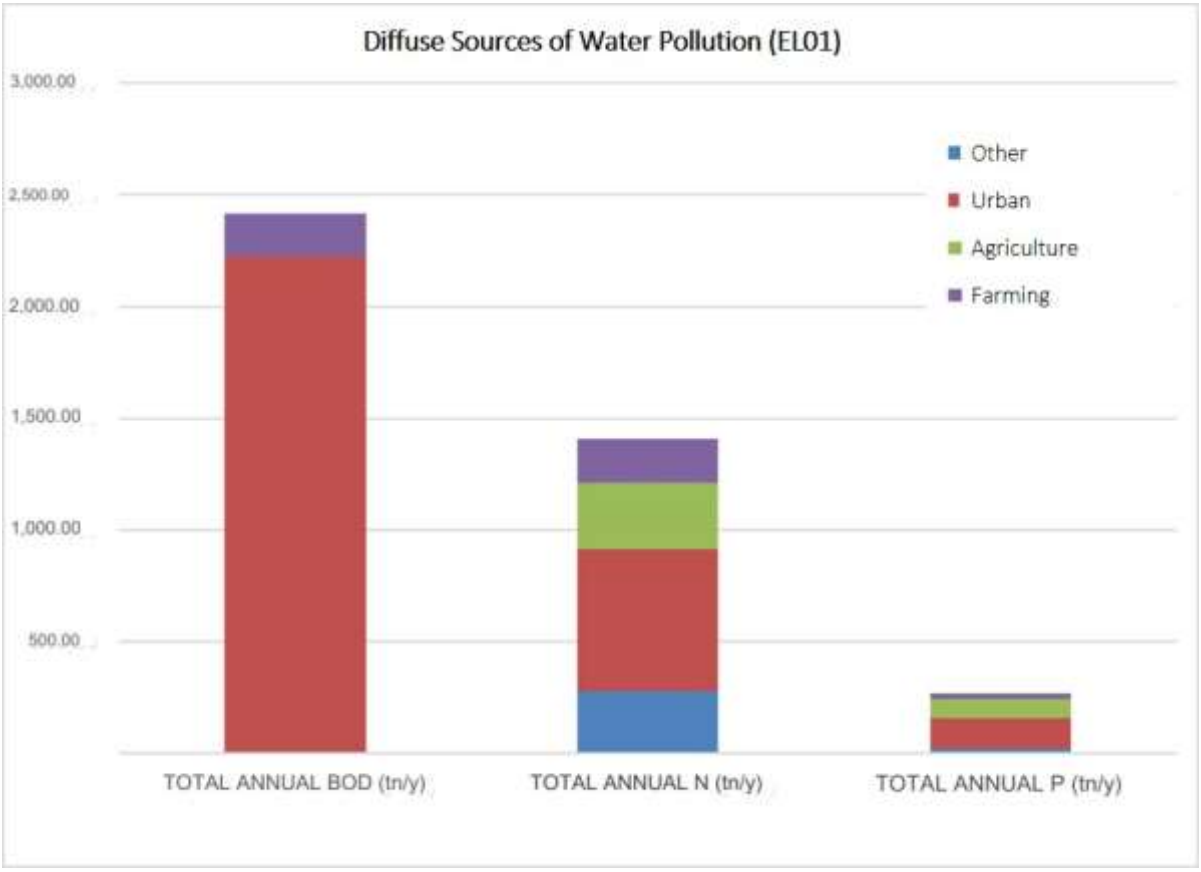


Figure 5-2. Total annual loads of BOD, N and P in the SWB and GWB produced by diffuse sources of pollution in the Water Distinct

5.3 Hydromorphological pressures

The overall assessment of the SWB of RBD EL01 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 EL01

	WB NUMBER	PERCENTAGE %	EVALUATION OF HYDR/MO PRESSURES
WB Rivers	19	17,1%	Negligible
	47	42,3%	Tolerable
	27	24,3%	Moderate
	16	14,4%	Strong
	2	1,8%	Important
Total rivers	**111**	**100,0%**	
WB Coastal	7	64,0	Negligible
	3	27,0	Tolerable
	1	9,0	Moderate
	0	0,0	Strong
	0	0,0	Important
Total Coastal	**11**	**100,0%**	
WB Transitional	1	33,3	Negligible
	0	0,0	Tolerable
	1	33,3	Moderate
	0	0,0	Strong
	1	33,3	Important
Total Transitional	**3**	**100,0%**	

Note: *No natural lake WB exist in RBD EL01. 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 Alfios (EL0129)

REGIONAL UNIT	PROJECT	DESIGNATED PROJECT USE	WB CODE	AREA (km^2) / LENGTH (km) HMWB-AWB	CHARACTERIZATION
ARCADIA	ALFIOS RIVER DIVERSION	Exploitation of Megalopolis lignite mine	EL0129R000217051A, EL0129R000219053A	7,46	AWB
ARCADIA	ALFIOS RIVER RELINING	Exploitation of Megalopolis lignite mine	EL0129R000217050H, EL0129R000215044H	15,14	HMWB
ARCADIA	ARTIFICIAL LAKE of LADONA	Hydroelectric power generation, irrigation needs, Recreation	EL0129RL00208001H	3,03	HMWB
ARCADIA	LADON R._3	Hydroelectric power generation	EL0129R000208025H	23,31	HMWB
ILIAS	KAIAFAS LAGOON	Recreational activities, Spas	EL0129T0002H	1,51	HMWB

Table 5-5. Projects with hydromorphological changes in surface water bodies identified as HMWB or AWB in the RB Pamisos - Nedontas - Nedas (EL0132)

REGIONAL UNIT	PROJECT	DESIGNATED PROJECT USE	WB CODE	AREA (km²) / LENGTH (km) HMWB-AWB	CHARACTERIZATION
MESSINIA	TZIROREMA S. RELINING	Irrigation needs, Flood protection	EL0132R000202039H	2,83	HMWB
MESSINIA	NEDONTOS R. RELINING	Flood protection	EL0132R001700045H	3,27	HMWB
MESSINIA	TZAMIS S. RELINING	Flood protection	EL0132R000204131H	6,37	HMWB
MESSINIA	AGIOS FLOROS S. RELINING	Irrigation and Water needs, Flood protection, Recreation	EL0132R000202027H, EL0132R000202026H	6,60	HMWB
MESSINIA	PAMISOS R. RELINING	Irrigation needs, Flood protection	EL0132R000201024H, EL0132R000201023H	8,72	HMWB
MESSINIA	MEGALO POTAMI S. RELINING	Flood protection	EL0132R000204033H, EL0132R000204030H	9,36	HMWB
MESSINIA	ARIS R. RELINING	Irrigation needs, Flood protection	EL0132R000203043H, EL0132R000203042H, EL0132R000201038H	12,65	HMWB
MESSINIA	ARTIFICIAL LAKE OF FILIATRINO	Irrigation needs	EL0132RL00900001H	0,50	HMWB
MESSINIA	FILIATRINO S. RELINING DOWNSTREAM OF THE DAM	Irrigation needs	EL0132R000900013H	4,90	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 following shows the distribution of water abstractions for the different uses within the Western Peloponnese RBD (EL01), as well as the annual water abstractions per use and per River Basin. The total available quantities to cover water supply, irrigation, livestock and industry needs within EL01 are estimated at 230,979,726 m^3/y, of which the largest volume concerns irrigation (74.58%). This is followed by water supply with a percentage of 15.29%, industry with a percentage of 9.59% and finally livestock with a percentage of 0.54%.

Table 5-6. Amounts of annual water abstractions in the RBD of Western Peloponnese (EL01)

TYPE OF USE	ABSTRACTIONS (m^3/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	172.265.105	74,58%
INDUSTRY	22.146.296	9,59%
LIVESTOCK	1.241.271	0,54%
WATER SUPPLY	35.327.054	15,29%
TOTAL WD	**230.979.726**	**100,00%**

Table 5-7. Quantities and distribution of annual water abstractions in the RB Alfios (EL0129)

TYPE OF USE	ABSTRACTIONS (m^3/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	100.550.241	76,7%
INDUSTRY	19.456.032	14,9%
LIVESTOCK	817.687	0,6%
WATER SUPPLY	10.177.956	7,8%
TOTAL RB	**131.001.917**	**100,0%**

Table 5-8. Quantities and distribution of annual water abstractions in the RB Pamisos - Nedontas - Nedas (EL0132)

TYPE OF USE	ABSTRACTIONS (m^3/y)	DISTRIBUTION OF ANNUAL ABSTRACTIONS
IRRIGATION	71.714.863	71,7%
INDUSTRY	2.690.263	2,7%
LIVESTOCK	423.584	0,4%
WATER SUPPLY	25.149.097	25,2%
TOTAL RB	**99.977.807**	**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 amounts 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 5-9. Total annual BOD, N and P loads to SWB and GWB from point and diffuse pollution sources in RBD EL01, by WB type and by RB

	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)
SOURCE OF POLLUTION	EL0129	EL0132	EL0129	EL0132	EL0129	EL0132	EL01	EL01	EL01
TOTAL POINT	**490,48**	**1.647,02**	**172,71**	**111,87**	**38,49**	**31,31**	**2.137,51**	**284,59**	**69,80**
SWB (POINT)	406,18	1.515,34	115,19	56,91	29,08	24,95	1.921,52	172,11	54,03
GWB (POINT)	84,30	131,69	57,52	54,96	9,41	6,36	215,99	112,48	15,77
TOTAL DIFFUSE	**874,12**	**1.542,12**	**611,09**	**798,19**	**102,65**	**164,07**	**2.416,23**	**1.409,28**	**266,72**
SWB (DIFFUSE)	661,50	1.327,19	362,01	501,55	73,32	123,56	1.988,69	863,55	196,88
GWB (DIFFUSE)	212,61	214,93	249,09	296,64	29,33	40,51	427,54	545,73	69,84
TOTAL SOURCES	**1.364,60**	**3.189,14**	**783,80**	**910,06**	**141,14**	**195,38**	**4.553,74**	**1.693,87**	**336,52**

5.7 Impact assessment and risk assessment of non-achievement of 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.

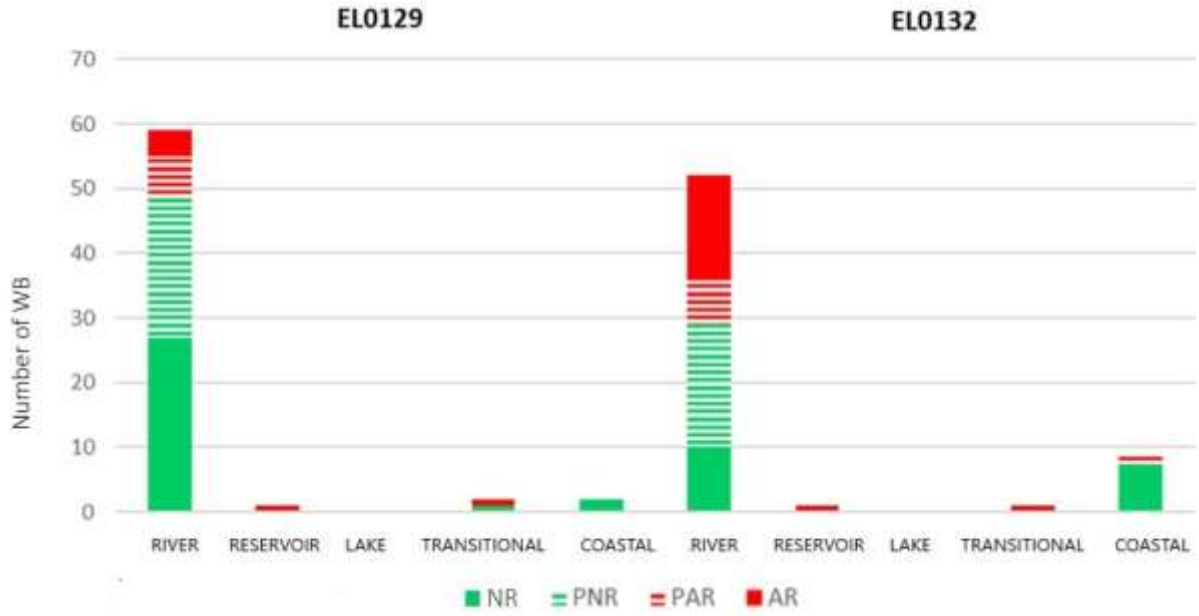


Figure 5-3. Risk assessment of failing to achieve surface water objectives in River Basins (EL0129) and (EL0132)

Table 5-10. Statistical data for risk assessment of failing to achieve surface water bodies objectives of the Alfios RB (EL0129) - 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	27	45,76%	22	37,29%	6	10,17%	4	6,78%	59
RESERVOIR	0	0,00%	0	0,00%	0	0,00%	1	100,00%	1
LAKE	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
TRANSITIONAL	1	50,00%	0	0,00%	0	0,00%	1	50,00%	2
COASTAL	2	100,00%	0	0,00%	0	0,00%	0	0,00%	2
RB TOTAL	**30**	**46,88%**	**22**	**34,38%**	**6**	**9,38%**	**6**	**9,38%**	**64**

Table 5-11. Statistical data for risk assessment of failing to achieve surface water bodies objectives of the Pamisos - Nedontos – Nedas (EL0132) - 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	10	19,23%	19	36,54%	7	13,46%	16	30,77%	52
RESERVOIR	0	0,00%	0	0,00%	0	0,00%	1	100,00%	1
LAKE	0	0,00%	0	0,00%	0	0,00%	0	0,00%	0
TRANSITIONAL	0	0,00%	0	0,00%	0	0,00%	1	100,00%	1
COASTAL	7	77,78%	1	11,11%	1	11,11%	0	0,00%	9
RB TOTAL	**17**	**26,98%**	**20**	**31,75%**	**8**	**12,70%**	**18**	**28,57%**	**63**

5.7.2 Impact assessment on groundwater bodies

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

Table 5-12. Qualitative and Quantitative status of groundwater bodies in the Alfios RB (EL0129)

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0100010	Systima Alfeiou	Good	No	Good	Locally increased values of Cl	No
EL0100020	Systima Notiou Erymanthou	Good	No	Good	No	No
EL0100030	Systima Ladona	Good	No	Good	No	No
EL0100040	Systima Lagkadion	Good	No	Good	No	No
EL0100050	Systima Methydriou - Pianas	Good	No	Good	No	No
EL0100060	Systima Elissona	Good	No	Good	No	No
EL0100070	Systima Megalopolis	Good	No	Good	No	No
EL0100220	Systima Karytenas - Stemnitsas	Good	No	Good	No	No
EL0100230	Systima Lousiou - Paloumpas	Good	No	Good	No	No
EL0100240	Systima Minthis	Good	No	Good	No	No

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0100250	Systima Zacharos	Good	No	Good	Locally increased values of NO_3, Fe and Mn	No
EL0100260	Systima Kaiafa	Good	-	Good (NAAT in Cl, EC, SO4)	Exceedance in Cl, EC, As, NH_4, NO_2 and SO_4 due to natural background	No

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

Table 5-13. Qualitative and Quantitative status of groundwater bodies in the Pamisos - Nedontos – Nedas RB (EL0132)

Code	WB Name	Quantitative status	Level drawdown trend	Qualitative (chemical) status	Quality problems	Pollution trend
EL0100080	Systima Agiou Florou - Pidimatos	Good	No	Good	No	No
EL0100090	Systima Taygetou	Good	No	Good (NAAT in Cl, from the 1st Update, in the coastal zone of the GWB)	Increased Cl values due to natural background and local exceedance in Fe, NO_3	No
EL0100100	Systima Pamisou	Good	No	Bad	NO_3 exceedance and locally elevated values of Fe and Mn	Local
EL0100110	Systima Koronis	Good	No	Good	No	No
EL0100120	Systima Methonis	Good	No	Good	No	No
EL0100130	Systima Kynigou	Good	No	Good	No	No
EL0100140	Systima Romanou - Choras	Good	No	Good	Locally increased values of EC, Cl	No
EL0100150	Systima Gargalianon	Good	No	Good	No	No
EL0100160	Systima Choras	Good	No	Good	No	No
EL0100170	Systima Filiatron - Kyparissias	Good	No	Bad	NO_3 exceedance and locally elevated values of SO_4 and Fe	No
EL0100180	Systima Kalou Nerou- Nedas	Good	No	Good	Locally increased values of EC, Cl and SO_4	No
EL0100190	Systima Kyparissias - Ithomis	Good	No	Good	No	No
EL0100200	Systima Ano Messinias	Good	No	Good	No	No
EL0100210	Systima Diavolitsiou - Neas Figaleias	Good	No	Good	No	No
EL0100270	Systima Alagonias	Good	No	Good	No	No

***Note**: The "-" symbol, if it appears, indicates that no level drop can be ensures 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 current legislation and the specific directions 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 m³)

RB	PROVIDERS WITH FULL DATA AVAILABLE PER RB		PRIVATE DRILLING		PROVIDERS WITH FULL DATA AVAILABLE PER RB AND PRIVATE DRILLING	
	Consumption (thousand m³)	% of financial cost recovery	Consumption (thousand m³)	% of financial cost recovery	Consumption (thousand m³)	% of financial cost recovery
EL0129 Alfios RB	3.801,96	62,62%	19.220,31	100,00%	23.022,27	93,83%
EL0132 Pamisos - Nedontas – Nedas RB	5.803,00	102,97%	4.193,34	100,00%	9.996,34	101,73%
TOTAL WD01	**9.604,96**	**88,78%**	**23.413,65**	**100,00%**	**33.018,61**	**96,74%**

The financial cost recovery rate of the RBD Providers, who provided complete data including private boreholes, is 104.14% (RB EL0227: 112.01%, RB EL0228: 94.09% and RB EL0245: 86.40%).

The recovery rate in the Northern Peloponnese RBD (EL02) for all Providers[2], including private boreholes is estimated at 104.38% (RB EL0227: 109.06%, RB EL0228: 104.99% and RB EL0245: 86.40%).

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

The financial cost recovery rate 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 including the private boreholes with a recovery rate 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 (thousand m^3)	% of financial cost recovery	Consumption (thousand m^3)	% Recovery of financial costs	Consumption (thousand m^3)	% Recovery of financial costs
EL0129 Alfios RB	31.576,31	103,56%	29.912,10	100,00%	61.488,41	101,83%
EL0132 Pamisos - Nedontas – Nedas RB	18.112,68	54,39%	40.261,25	100,00%	58.373,93	85,85%
TOTAL EL01	**49.688,99**	**92,79%**	**70.173,34**	**100,00%**	**119.862,33**	**97,01%**

The percentage of recovery of the financial cost of the Water Providers, for agricultural use, who provided complete data including private boreholes is 97.01% (RB EL0129 Alfios: 101.83% and RB EL0132 Pamisos – Nedontas – Nedas: 85, 85%).

The financial cost recovery rate for all Providers[3], for Agricultural use, including private boreholes in the RBD is 99.25% (RB EL0129 Alfios: 102.52% and RB EL0132 Pamisos – Nedontas – Nedas: 87.05%).

6.2 Environmental cost and resource cost

6.2.1 Environmental cost and resource cost recovery for the year 2020

For the River Basin District of Western Peloponnese, in the RB of Alfios (EL0129) and in the RB of Pamisos - Nedontas - Nedas (EL0132), the assessment of the environmental cost and the resource cost was made according to the RBMP and the Decision by the Water Directorate of Peloponnese for the year 2020 with reference number 71469 / 11.05.2020.

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

6.2.2 Environmental cost and resource cost, 2024-2027

The results of the analysis for the environmental cost and resource cost in RBD EL01 per RB and water use are presented below.

Table 6-3. Environmental cost and Resource cost in RBD EL01 (€), 2024-2027

RB	Environmental cost		Resource cost	
	Annual (€)	Unit (€/m^3)	Annual (€)	Unit (€/m^3)
Alfios (EL0129)	22.500	0,00021	0	0,00000
Pamisos - Nedontas - Nedas (EL0132)	52.500	0,00066	0	0,00000
Total RBD EL01	**75.000**	**0,00041**	**0**	**0,00000**

The distribution of environmental cost and resource cost per water use in RBD EL01 is shown in the table below.

[3] After the experts' assessments of the missing data

Table 6-4. Distribution of environmental cost and resource cost per water use per RB of the RBD EL01 (€), 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
RB Alfios (EL0129)						
Usage participation (%) in the total annual cost	0,0%	0,0%	100,0%			
Annual Cost per use (€)	0	0	22.500			
Annual Unit Cost (€/m^3)	0,00000	0,00000	0,00532			
RB Pamisos - Nedontas - Nedas (EL0132)						
Usage participation (%) in the total annual cost	14,3%	47,6%	38,1%			
Annual Cost per use (€)	7.500	25.000	20.000			
Annual Unit Cost (€/m^3)	0,00046	0,00041	0,00848			
Total (EL01)						
Usage participation (%) in the total annual cost	10,0%	33,3%	56,7%			
Annual Cost per use (€)	7.500	25.000	42.500			
Annual Unit Cost (€/m^3)	0,00020	0,00018	0,00645			

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 goals set for the 127 SWB of the RBD up to 2027 and beyond:

- For 82 NAT the objective is no deterioration of Good ecological and chemical status, for 1 AWB and for 5 HMWB the objective is no deterioration of Good Ecological Potential (GEP) and Good chemical status
- For 3 NAT the goal is to achieve Good ecological and chemical status
- For 20 NAT the objective is to achieve Good ecological status and no deterioration of Good chemical status
- For 1 NAT the goal is no deterioration of the ecological status and achievement of Good chemical status
- For 1 AWB and 14 HMWB the target is to achieve the GEP provided that appropriate mitigation measures are implemented
- For 1 HMWB the goal is to achieve the Good chemical status

A total of 13 of the above SWB are subject to Article 4.4 for deadline extension and 11 to 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

Objective	Num of Surface WB
No deterioration of Good ecological status/ GEP	89
No deterioration of Good chemical status	122
Achievement of Good ecological status/ GEP	38
Achievement of Good chemical status	5
Subject to article 4.4	13
Subject to Article 4.5	11
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 RBD:

- For 27 GWB the objective is no deterioration of Good quantitative status
- For 25 GWB the goal is no deterioration of Good chemical status
- For 2 GWB the goal is achievement of Good chemical status whenever the natural hydrogeological conditions allow after 2027.

Table 7-2. Groundwater bodies objectives after 2027

Objective	Num of Ground WB
No deterioration of Good quantitative status	27
No deterioration of Good chemical status	25
Achievement of Good quantitative status	0
Achievement of Good qualitative status	2
Subject to article 4.4	2
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 Western Peloponnese River Basin District (EL01).

Table 7-3. Summary of exemptions of Article 4.4 (deadline extension) for the Western Peloponnese RBD (EL01)

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	10
			There is no information about the cause of the problem and therefore the solution cannot be detected	2
Chemical Status of SWB	Technical Feasibility	Article 4.4 / Deadline Extension	Solving the problem requires more time than is available	2
			There is no information about the cause of the problem and therefore the solution cannot be detected	1
Quantitative status of GWB	-	Article 4.4 / Deadline Extension	-	0
Chemical Status of GWB	Natural Conditions	Article 4.4 / Deadline Extension	Natural hydrogeological conditions	2

Table 7-4. Exemptions of the Article 4.5 (less strict objectives) for the Western Peloponnese RBD (EL01)

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	3
Chemical Status of SWB	Technical Feasibility	Article 4.5 / Less strict objectives	Solving the problem requires more time than is available	1

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 Update of the RBMP

The program of measures of the 1st Update of the RBMP for the River basin District of Western Peloponnese (EL01) included 10 Basic Measures of Group I, 36 Basic Measures of Group II and 19 Supplementary Measures.

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

Table 8-1. Number of Basic Measures (Group II) of the 1st Update of the RBMP for the River Basin River Basin of Western Peloponnese (EL01)

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 Western Peloponnese (EL01)

SUPPLEMENTARY MEASURES CATEGORY	MEASURES NO
Administrative Measures	3
Emissions control	4
Abstraction control	3
Educational measures	3
Economic or fiscal measures	1
Research, development and demonstration projects	5

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
Environmental Impact Assessment Directives	• **BO41**: Amendment of the Ministerial Decision 170225/27.01.2014	Ministry of Environment and Energy	Under implementation

Directive	Planned actions	Implementing Bodies	Implementation status
(Directives 2011/92/EC, 2014/52/EC)	(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.		
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 replacement of Joint Ministerial Decision 80568/4225/1991 and	Ministry of Environment and Energy	To be implemented

Directive	Planned actions	Implementing Bodies	Implementation status
	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 EL01

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
17	0	2	**19**

Table 8-5. Number of Basic and Supplementary Measures (1st Update of the RBMP) that have been completed by measure category in EL01

Measure Category	EL01
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 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"

DIRECTIVE	INCORPORATION IN NATIONAL LAW
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 Western Peloponnese (EL01) 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
M01B0204 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
M01B0301 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
M01B0302 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
M01B0303 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
M01B0304 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
M01B0305 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
M01B0308 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
M01B0401 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
M01B0402 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
M01B0403 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
M01B0501 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
M01B0601 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
M01B0701 Strengthening environmental inspections and controls	Measures for point source pollution	Continuing Measure	Region	Not implemented
M01B0702 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 M01B0702 & M01B1102	Ministry of Environment and Energy (General Directorate for Water), Regions	-
M01B0704 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
M01B0705 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
M01B0801 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
M01B0803 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
M01B0902 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
M01B0905 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
M01B0906 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
M01B0907 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 M01B0904 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 EL01 for which it is considered necessary to take targeted supplementary measures.

Table 8-8. Water bodies of the Western Peloponnese RBD (EL01), for which it is considered necessary to take supplementary measures

CODE	NAME	TYPE	CURRENT SITUATION
EL0129 – RB Alfios			
EL0129R000201001N	ALFIOS R._1	RIVER	POOR ECOLOGICAL, LESS THAN GOOD CHEMICAL
EL0129R000202006N	ALISIO STREAM_2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0129R000203007N	ALFIOS R._2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0129R000205010N	ALFIOS R._3	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0129R000206011N	ERIMANTHOS R._1	RIVER	MODERATE ECOLOGICAL, LESS THAN GOOD CHEMICAL
EL0129R000208025H	LADON R._3	RIVER	MODERATE ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0129R000208433N	AROANIOS R._4	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0129R000214042N	LOUSIOS R._2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0129R000216045N	ELISSON R._1	RIVER	POOR ECOLOGICAL, LESS THAN GOOD CHEMICAL
EL0129R000216046N	ELISSON R._2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0129R000217051A	ALFIOS R. DIVERSION_1	RIVER	BAD ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0129R000220055N	KOUNTIFARINA STREAM	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0132 - RB Pamisos - Nedontas - Nedas			
EL0132R000500003N	KLISOUREIKO STREAM	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL
EL0132R000201023H	PAMISOS R._1	RIVER	BAD ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132R000201024H	PAMISOS R._2	RIVER	POOR ECOLOGICAL POTENTIAL, GOOD CHEMICAL

CODE	NAME	TYPE	CURRENT SITUATION
EL0132R000201025N	PAMISOS R._3	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL
EL0132R000202026H	AGIOS FLOROS STREAM_1	RIVER	POOR ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132R000202027H	AGIOS FLOROS STREAM_2	RIVER	BAD ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132R000203043H	ARIS R._3	RIVER	POOR ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132R000204033H	MEGALO POTAMI STREAM_2	RIVER	POOR ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132R000204131H	TZAMIS STREAM_1	RIVER	POOR ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132R000300001N	VELIKA STREAM_1	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0132R000500004N	MINAGIOTIKO STREAM_1	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0132R000700006N	GIANNOUZAGAS STREAM_1	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0132R000900011N	LAGOUVARDOS STREAM	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL
EL0132R000900012N	FILIATRINO STREAM_1	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0132R000901008N	SELAS STREAM	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL
EL0132R001100016N	KALO NERO STREAM_1	RIVER	BAD ECOLOGICAL, GOOD CHEMICAL
EL0132R001100017N	KALO NERO STREAM_2	RIVER	GOOD ECOLOGICAL, LESS THAN GOOD CHEMICAL
EL0132R001500020N	NEDA R._1	RIVER	POOR ECOLOGICAL, GOOD CHEMICAL
EL0132R001500021N	NEDA R._2	RIVER	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0132R001700045H	NEDON R._1	RIVER	MODERATE ECOLOGICAL POTENTIAL, GOOD CHEMICAL
EL0132T0003N	YALOVA LAGOON	TRANSITIONAL	POOR ECOLOGICAL, GOOD CHEMICAL
EL0132C0006N	METHONI BAY	COASTAL	MODERATE ECOLOGICAL, GOOD CHEMICAL
EL0100170	SYSTIMA FILIATRON - KYPARISSIAS	GROUNDWATER	GOOD QUANTITATIVE, BAD CHEMICAL

8.2.4 Supplementary measures

The Supplementary Measures for the Western Peloponnese River Basin District (EL01) are listed in the Tables that follow.

Table 8-9. Horizontal supplementary measures

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB	IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M01S0201 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
M01S0202 Control and management of artesian Wells	Administrative measures	Continuing measure	GWB	Owner of the Abstraction project, Decentralized Administration (Water Directorate)	0€	Not implemented
M01S0204 Establishment of an institutional framework for the definition of the conditions for the protection of recreational inland waters of Article 6 Directive 2000/60/EK -Temporary regulation for new projects in inland water bodies which are included as recreational waters in the Register of Protected Areas under Article 6 of Directive 2000/60/EC	Administrative measures	Adaptation of the previous basic measure M01B0901. It continues to apply as supplementary measure.	ERIMANTHOS R._1 EL0129R000206011N LOUSIOS R._1 EL0129R000214041N ALFIOS R._7 EL0129R000213040N LADON R._5 EL0129R000208028N LADON R._4 EL0129R000208026N NEDA R._3 EL0132R001500022N	Ministry of Environment & Energy (General Directorate for Water), Decentralized Administration (Water Directorate)	0€	Not implemented
M01S1501 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
M01S1603 Design and Implementation of a Special Exploratory Monitoring Program for the purpose of collecting data on the primary designation of WB downstream of Dams as HMWB	Research, development and demonstration projects	Continuing measure	Surface WB downstream of large dams, i.e. the following: LADON R._3 EL0129R000208025H FILIATRINO STREAM._1 EL0132R000900012N FILIATRINO STREAM._2 EL0132R000900013H	Ministry of Environment & Energy (General Directorate for Water), Decentralized Administration (Water Directorate)	45.000€	Not implemented

Table 8-10. Supplementary measures in RB Alfios (EL0129)

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M01S0203 Prohibition of new sediment deposits' removal or permit expansions except in cases to avoid flooding, determined by the Civil Protection of the Region, until the necessary studies are prepared to identify selected areas for sediment removal for the needs of technical projects (ALFIOS R._1 and ALFIOS R._3)	Administrative measures	Continuing measure	ALFIOS R._1 ALFIOS R._3	EL0129R000201001N EL0129R000205010N	Region, Decentralized Administration	0€	Not implemented
M01S0503 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	ALISIO STREAM_2 ERIMANTHOS R._1 ALFIOS R._1 ALFIOS R._2 ALFIOS R._3 ELISSON R._1 ELISSON R._2 ALFIOS R. DIVERSION_1 KOUNTIFARINA STREAM	EL0129R000202006N EL0129R000206011N EL0129R000201001N EL0129R000203007N EL0129R000205010N EL0129R000216045N EL0129R000216046N EL0129R000217051A EL0129R000220055N	Region, Decentralized Administration	0€	Not implemented
M01S1605 Exploratory monitoring program in SWB with status inferior to Good (ALISIO STREAM_4, AROANIOS R._4 and LOUSIOS R._2)	Research, development and demonstration projects	**New Measure**	ALISIO STREAM_4 AROANIOS R._4 LOUSIOS R._2	EL0129R000202006N EL0129R000208433N EL0129R000214042N	Decentralized Administration, Region	90.000€	-

Table 8-11. Supplementary measures in RB Pamisos - Nedontas - Nedas (EL0132)

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M01S0203 Prohibition of new sediment deposits' removal or permit expansions except in cases to avoid flooding, determined by the Civil Protection of the Region, until the necessary studies are prepared to identify selected areas for sediment removal for the needs of technical projects (KALO NERO STREAM_1)	Administrative measures	Continuing measure	KALO NERO STREAM_1	EL0132R001100016N	Region, Decentralized Administration	0€	Not implemented
M01S0501 Emission controls at the outlets of stormwater culverts and other point sources of pollution that outflow in surface water bodies (NEDON R._1 and METHONI BAY)	Emission controls	Continuing measure (Measure description modification)	NEDON R._1 METHONI BAY	EL0132R001700045H EL0132C0006N	Municipalities/MEWSS, Decentralized Administration (Water Directory), Ministry of Environment & Energy (General Directorate for Water)	30.000€	Not implemented
M01S0503 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	KLISOUREIKO STREAM SELAS STREAM LAGOUVARDOS STREAM FILIATRINO STREAM_1 KALO NERO STREAM_1 KALO NERO STREAM_2 NEDA R._1 NEDA R._2 PAMISOS R._1 PAMISOS R._2 PAMISOS R._3 AGIOS FLOROS STREAM_1 AGIOS FLOROU STREAM_2 TZAMIS STREAM_1 VELIKA STREAM_1 MINAGIOTIKO STREAM_1 MEGALO POTAMI STREAM_2 NEDON R._1 ARIS R._3 YALOVA LAGOON	EL0132R000500003N EL0132R000901008N EL0132R000900011N EL0132R000900012N EL0132R001100016N EL0132R001100017N EL0132R001500020N EL0132R001500021N EL0132R000201023H EL0132R000201024H EL0132R000201025N EL0132R000202026H EL0132R000202027H EL0132R000204131H EL0132R000300001N EL0132R000500004N EL0132R000204033H EL0132R001700045H EL0132R000203043H EL0132T0003N	Region, Decentralized Administration	0€	Not implemented

CODE & NAME OF MEASURE	CATEGORY	CONNECTION WITH 1st RBMP UPDATE	AFFECTED WB		IMPLEMENTING BODIES	COST (€)	IMPLEMENTATION STATUS
M01S0801 Determination and demarcation of GWB areas exhibiting bad qualitative status due to salinization, or exhibiting local salinization (Systima Romanou - Choras EL0100140, Systima Filiatron - Kyparissias EL0100170 and Systima Kalou Nerou - Nedas EL0100180)	Withdrawal control	Continuing measure (Measure description modification)	Systima Romanou - Choras Systima Filiatron - Kyparissias Systima Kalou Nerou - Nedas	EL0100140 EL0100170 EL0100180	Decentralized Administration (Water Directorate)	300.000€	Not implemented
M01S1605 Exploratory monitoring program in SWB with status inferior to Good (KALO NERO STREAM_2, GIANNOUZAGAS STREAM_1 and YALOVA LAGOON)	Research, development and demonstration projects	**New Measure**	KALO NERO STREAM_2 GIANNOUZAGAS STREAM_1 YALOVA LAGOON	EL0132R001100017N EL0132R000700006N EL0132T0003N	Decentralized Administration, Region	80.000€	-