MINISTRY OF ENVIRONMENT & ENERGY

GENERAL DIRECTORATE FOR WATER

2nd UPDATE OF RIVER BASIN MANAGEMENT PLAN

for the River Basin District of

Eastern Central Greece (EL07)

Summary

European Union
Cohesion Fund

NSRF 2014-2020
development through solidarity

Co-Funded by Greece and the European Union

HELLENIC REPUBLIC

Ministry of Environment and Energy

General Directorate for Water

2nd Update of the River Basin Management Plan for the RBD of Eastern Central Greece (EL07)

PROJECT: PREPARATION OF THE 2ND RIVER BASINS MANAGEMENT PLANS REVISIONS OF THE 14 RIVER BASIN DISTRICTS OF THE COUNTRY" SUB-PROJECTS 1-5, SECTION 3: "2ND RIVER BASIN MANAGEMENT PLANS REVISIONS OF ATTICA (EL06) AND EASTERN CENTRAL GREECE (EL07) RIVER BASIN DISTRICTS ".

JOINT VENTURE: 2ND RIVER BASIN MANAGEMENT PLANS REVISION OF ATTICA (EL06) AND EASTERN CENTRAL GREECE (EL07)".

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EASTERN CENTRAL GREECE (EL07)

2ND UPDATE OF THE RIVER BASIN MANAGEMENT PLAN (RBMP) FOR THE RIVER BASIN DISTRICT OF EASTERN CENTRAL GREECE EL07)

MANAGEMENT PLAN SUMMARY-ENGLISH VERSION

Final Edition

Government Gazette Issue (FEK) of 2ND EASTERN CENTRAL GREECE RIVER BASIN MANAGEMENT PLAN REVISION (EL07) : FEK A’ 74 /20.05.2024

2ND RIVER BASIN MANAGEMENT PLAN REVISION

RIVER BASIN DISTRICT OF EASTERN CENTRAL GREECE (EL07)

MANAGEMENT PLAN SUMMARY- ENGLISH VERSION

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1 INTRODUCTION – 2ND RIVER BASIN MANAGEMENT PLAN REVISION

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/ 2007. 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 (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 goals 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 goals. **With its approval, the RBMP is an institutional obligation and must be taken into account by all public bodies when making decisions.**

In this context, the first RBMP of the RBD of Eastern Central Greece (EL07) was approved by the National Water Commission in 2013 (Government Gazette 1004/B/24.04.2013), while its 1st Revision in 2017 (Government Gazette 4672/B/29.12.2017).

The Management Plans drawn up with the 2nd Management Plans Revision 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 Revision of Eastern Central Greece (EL07), was implemented by the General Directorate of Waters (GDW), of the Ministry of Environment and Energy.

1.2 PREPARATION OF THE 2ND RIVER BASIN MANAGEMENT PLANS REVISION

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

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 Eastern Central Greece RBD (EL07), in the context of the 2nd RBMP Revision, the following actions are being carried out:

- Revision of the identification and characterization of surface (rivers, lakes, transitional and coastal) and underground water bodies.
- Revision of the assessment/classification of the state/potential of surface (ecological, chemical), including highly modified and artificial, and underground (quantitative, qualitative) water bodies, based on the new data available from the operation of the National Water Status Monitoring Network.
- Re-evaluation of the surface water bodies that show significant hydromorphological modifications, in order to determine those that constitute highly modified water bodies (HMWB) and artificial water bodies (AWB).
- Revision and further development of the list of significant pressures, as they have been included in the 1st RBMP Revision, as well as their effects per Catchment Basin and water bodies (WB).
- Revision of the Register of Protected Areas (PA), based on new information that has emerged from the implementation of relevant Union Directives.
- Revision 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 highly modified and artificial ones.
- Assessment of progress in relation to the achievement of the environmental objectives of the WFD, as defined in the 1st RBMP Revision, and clarifications for the environmental objectives that were not achieved.
- Review of the Programs of Basic and Supplementary Measures for the protection and restoration of water resources, as included in the 1st RBMP Revision, in accordance with Article 11 and Annex VI of the WFD (Article 12 and Annex VIII of the Decree 51/ 2007).
- Revision of the economic analysis of water uses.
- Preparation of the Strategic Environmental Impact Study (SEIS) to identify, describe and evaluate the environmental impacts from the implementation of the Programs of Measures and Management Plans.
- Informing the public and promoting its active participation, as well as publication and public consultation of the Draft Management Plans, in accordance with article 14 of the WFD and article 15 of the P.D. 51/2007.
- Coverage of the country's obligations in relation to the submission of the required data to the EU regarding the 2nd Revision of the RBMP, through the electronic system WISE (Water Information System for Europe), in accordance with the specifications of the European Environment Agency.

- Revision of the data as well as the results from the implementation of the Project: "Development of water resource management bodies and tools in 13 River Basin Districts of the country", which was completed by the Ministry of Development, in December 2008 as far as the part concerning River Basin Disrtincts of Attica (EL06) and Eastern Central Greece (EL07).
- Training of the personnel of the Contracting Authority and the competent Regional Authorities, in the objects of the deliverables

1.2.2 Strategic Environmental Assessment

For the 2nd RBMP Revision of the River Basin Districts of the Country, the process of the Strategic Environmental Assessment (SEA) is being followed in accordance with the JMD with Num D. MINISTRY OF ECONOMY/EFPE/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' 1225/2006), as amended by the Num D. oik. 40238/2017 (Government Gazette 3759/B/25.10.2017), M.D. YPEN/DIPA/38181/2695/2022 (Government Gazette 1923/B` 18.4.2022) and M.D. YPEN/DIPA/94750/6235/2023 (Government Gazette 5774/B` 4.10.2023) and is valid.

The approval of the Plan and the SEA 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 "approval proposal EISP" from the Environmental Agency responsible for the environmental approval of the Plan (DIPA/YPEN) to the Planning Authority [article 7 of the YA YPECHODE/EYPE/ok.107017/2006 (Government Gazette 1225B'/5.9.2006) as amended by the Num D. oik. 40238/2017 (Government Gazette 3759/B/25.10.2017), M.D. YPEN/DIPA/38181/2695/2022 (Government Gazette 1923/B` 18.4.2022) and M.D. Ministry of Foreign Affairs/DIPA/94750/6235/2023 (Government Gazette 5774/B` 4.10.2023) and is valid.

1.3 CONSULTATION PROCEDURE

1.3.1 Consultation Results and Integration

The consultation process on the 2nd RBMP Revision of the RBD of Eastern Central Greece (EL07) started in March 2019 and ended in December 2023 and included the following:

Phase A: In March 2019, the content of the foreseen activities for the 2nd RBMP Revision was posted on the website of the Ministry of Environment and Energy (http://wfdver.ypeka.gr/el/consultation-gr/) as well as the detailed schedule for the informing the public.

Phase B: In September 2019, data on the important issues of water resources management in each RBD were posted on the website of the Ministry of Environment & Energy, which briefly included the results of the National Water Monitoring Network for the RBD, the main pressures, the identification of the competent authorities and bodies participating in the consultation.

Phase C: In May 2023, the Draft of the 2nd River Basin Management Plan Revision of the River Basin District, as well as the Detailed Documentation, was posted on a special website of the Ministry of the Interior (http://wfdver.ypeka.gr/).

On October 23rd, 2023, the scheduled Consultation Day was held in Lamia on the subject of the Draft of the 2nd RBMP Revision of the Eastern Central Greece River Basin District (EL07) with the aim of more fully informing the public and recording opinions.

The Conference was a hybrid event, in which stakeholders and citizens were given the opportunity to attend the conference as well as to express their opinions, comments and positions online and in person. Therefore, the observations and comments of the participants could be submitted online in a live chat of the youtube and facebook platform, and with a physical presence in the room.

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

- New data presented in the Final Management Plan based on the data made available and/or points raised during the consultation.
- Reform of the final Program of Measures which includes:
    - the improvement of the description of certain measures as well as the addition of comments where deemed necessary, regarding the concretization/specification of restrictions as well as actions defined therein
    - revision of the final Program of Measures taking into account observations and comments made in the context of the consultation
    - the revision of the bodies implementing the measures.
- Revision the detailed documentation texts based on the data made available and/or points raised during the consultation.

The final Program of Measures of the Eastern Central Greece RBD (EL07) was formulated taking into account comments and observations received in the context of the consultation of both the specific RBD and the rest RBD of the country.

On January 22nd, 2024, a proposal was made by the Environmental Licensing Directorate of the Ministry of the Interior to the General Directorate for the approval of the EIA.

2 DIFFERENTIATIONS IN COMPARISON WITH THE 1ST RBMP REVISION

For the 2nd RBMP Revision of the country, new analytical methodologies were developed for critical aspects of the implementation of Directive 2000/60/EC.

The revision of the national methodologies was done in the context of the implementation of the 2nd RBMP Revision and concerned the following methodologies:

- Definitive formulation of a national methodology for determining the ecological supply of river water bodies.
- Revision of the analytical methodology for the analysis of anthropogenic pressures and their effects on surface and underground water bodies.
- Revision of the analytical methodology formulated by the Competent Authority (AA) "Determining the "exceptions" of paragraphs 4 to 6 of Article 4 of Directive 2000/60/EC (4.4 - 4.6)", with the review of the application specifications of the exceptions of article 4.5
- Revision of the analytical methodology formulated by the AA "Determining the "exceptions" of paragraph 4.7, of article 4 of Directive 2000/60/EC
- Revision of Methodology for Classification of Ecological, Chemical and Overall Status of Surface Water Bodies

All the analytical methodologies are available on the website of the General Directorate for Water http://wfdver.ypeka.gr/.

The following table summarizes the differences found in each individual subject of the 2nd RBMP Revision in relation to the 1st RBMP Revision, based on the above and the results obtained.

Table 2-1: Main differentiations in comparison with the 1st RBMP Revision

Revised Content of RBMP/ Activity	Differentiation in comparison with the 1st RBMP Revision	Briefly presentation of the results
COMPETENT AUTHORITIES	The competent authorities are amended in accordance with Law 5037/2023	The current situation is briefly presented in Paragraph 3.3.
HEAVILY MODIFIED WATER BODIES (HMWB) AND ARTIFICIAL WATER BODIES (AWB)	The HMWB that were defined under the 1st RBMP Revision are re-examined based on the new methodology and the data from the NWMN.	The results are summarized in Chapter 4.3 and in the Detailed Documentation - Final Determination of Specially Modified and Artificial Water Bodies.
PRESSURES AND IMPACTS	The assessment of pressures and impacts in the revision is based on the revised common methodology developed and the latest evidence resulting from the approval of the 1st RBMP Revision.	The results are summarized in Chapter 5 and in the Analytical Documentation Text – Analysis of anthropogenic pressures and their effects on surface and groundwater bodies.

Revised Content of RBMP/ Activity	Differentiation in comparison with the 1st RBMP Revision	Briefly presentation of the results
CLASSIFICATION OF THE STATUS OF SURFACE WATER BODIES	The Methodology for Classification of Ecological, Chemical and Overall Status of Surface Water Bodies was revised in the context of the 2nd RBMP Revision. During the revision, the classification of the state of the surface water bodies is implemented based on the data of the Water Status Monitoring Network 2018-2021. For the WB that are not monitored, their status is classified by grouping based on their typology and the pressures they receive according to the revised methodology.	The results are presented in summary in Chapter 4.1 and in the Analytical Documentation Text - Characterization, typology, type-characteristic conditions, references and assessment/classification of the state/potential of all categories of surface water bodies, including highly modified and artificial water bodies.
CLASSIFICATION OF THE STATUS OF GROUNDWATER BODIES	The methodology for classifying the state of the WBs does not differ in relation to the 1st RBMP. The classification of the WB is based on the newest data of the national monitoring network 2018-2020, as well as any other newer data that has emerged (studies, benefits, levels, etc.).	The results are presented briefly in Chapter 4.2 and in the Analytical Documentation Text – State of Groundwater bodies.
NATIONAL WATER MONITORING NETWORK	The 2nd RBMP Revision in relation to the 1st RBMP Revision, includes the results of the National Water Monitoring Network of the country with a larger number of samples for the period 2018 – 2021. It also includes monitoring of the chemical and quantitative status of the GWB.	The data for the monitoring program used are presented in the Analytical Documentation Texts - Type-characteristic Conditions and - Status of Groundwater bodies for the Surface and Groundwater bodies network respectively.

Revised Content of RBMP/ Activity	Differentiation in comparison with the 1st RBMP Revision	Briefly presentation of the results
ECONOMIC ANALYSIS OF WATER USE	For the economic analysis of water uses, specific directions of the General Directorate for Water are taken in consideration. The elements of the information system, created to assist the SSW in the supervision and monitoring of the degree of implementation of the water management policies, created after the end of the 1st revision, were used (where possible and in cases where they were considered reliable).	The results are presented in summary in Chapter 6 hereof and in the Analytical Documentation Text – Economic Analysis of Water Uses.
ENVIRONMENTAL OBJECTIVES – EXEMPTIONS	During the 2nd Revision, the determination of the environmental objectives and exceptions is based on the new methodological approaches developed in accordance with the EU guidelines (see Chapter 2.2.1 above).	The results are summarized in Chapter 7 herein and in the Analytical Documentation Text – Environmental Objectives.

Revised Content of RBMP/ Activity	Differentiation in comparison with the 1st RBMP Revision	Briefly presentation of the results
PROGRAMME OF MEASURES	The program of measures as defined in this 2nd RBMP Revision was revised in relation to the 1st RBMP Revision. The differences in the program of measures in relation to the 1st RBMP Revision concern: - specialization/reformulation of measures of the 1st RBMP Revision that continue in the current management cycle - formulation of new measures to deal with the pressures faced by the WBs and to achieve the goals set - removal of measures of the 1st RBMP Revision where it was judged that their continuation in the current management cycle is not necessary	The new program of measures is briefly presented in Chapter 8 hereof and in the Detailed Documentation- Programs of Basic and Supplementary Measures.

3 DESCRIPTION OF RIVER BASIN DISTRICT– COMPETENT AUTHORITIES

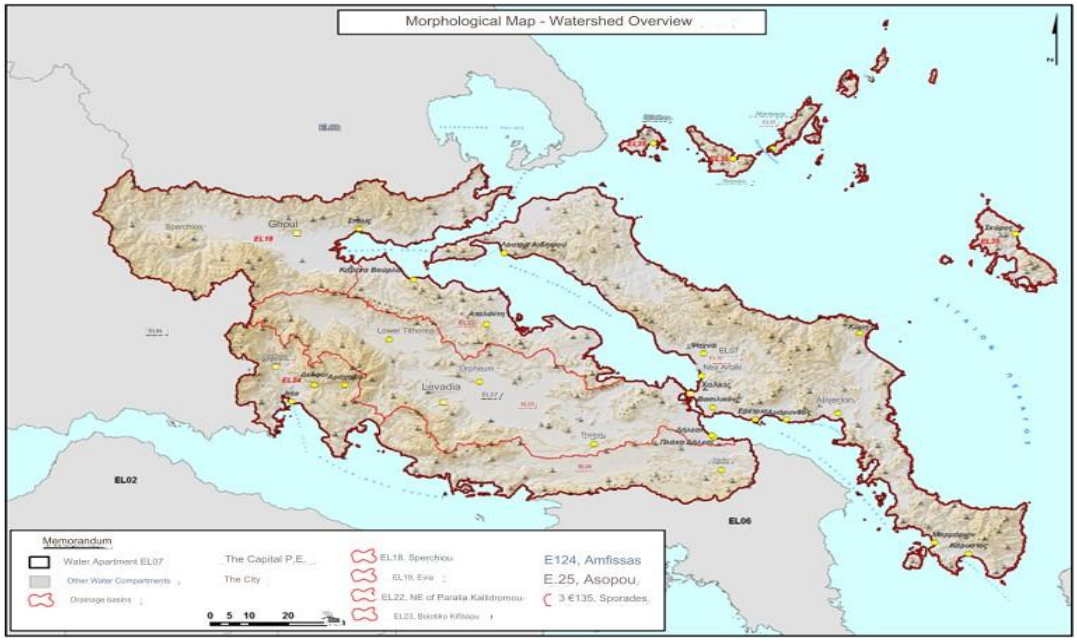
3.1 RIVER BASINS

With the decision 706/16-7-2010 (Government Gazette B' 1383 /2.9.2010 & Government Gazette B' 1572/ 28.9.2010), of the National Water Commission "on defining the River Basins of the country and defining the competent Regions for the their management and 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 Areas (corresponding to the term Water Divisions of article 3 of Presidential Decree 51/2007).

The Eastern Central Greece RBD (EL07) consists of the River Basin District of **Spercheios (EL0718), Evvoia (EL0719), NE Paralia Kallidromou (EL0722), Voiotikos Kifisos (EL0723), Amfissa (EL0724), Asopos (EL0725) and Sporades (EL0735),** as they are presented in the table and in the map below.

Table 3-1: Eastern Central Greece River Basin District (EL07)

River Basin District	Area (km^2)
Spercheios (EL0718)	2.315
Evia (EL0719)	3.681
NE Paralia Kallidromou (EL0722)	919
Voiotikos Kifisos (EL0723)	2.719
Amfissa (EL0724)	786
Asopos (EL0725)	1.362
Sporades (EL0735)	497
TOTAL Area EL07	**12.279**



Map 3-1: Overview of the Eastern Central Greece RBD (EL07) - Morphology

3.2 NATURAL CHARACTERISTICS

The River Basin District (RBD) of Eastern Central Greece (EL07) is morphologically mountainous to semi-mountainous. The district includes four mountain complexes with an altitude above 2,000 m (Giona 2,510 m, Parnassos 2,457 m, Vardousia 2,437 m and Oiti 2,152 m) and nine more with altitudes from 1,000 to 2,000 m. The main lowland areas of the apartment are the valleys of Spercheios and Voiotiko Kifisos- Kopaida, while the smaller ones are the plains of Istiaia and Artaki in Evia. The average altitude of the continental part is 271 m and of Evia 146 m. The continental area is basically characterized by multifaceted relief with extensive elongated depressions that develop in varying directions as follows: In the north the Spercheios basin in an E-W direction, in the west the Amfissa – Itea basin, in the center the Amfikleia – Tithorea basins and Kopaida, and to the south the great basin of Thebes- Schimatari. The Amfissa- Itea basin develops with a maximum N-S axis, the basins of the central area in a NW-SE direction and that of Thebes, approximately in an E-W direction.

The geographical location and relief of the district contribute to the great climate variety, which includes from maritime Mediterranean to mountainous climate. The average annual rainfall ranges from 500 mm in the Asopos basin to 1,200 mm in the mountainous parts of the Spercheios and Evia basins, while rainy days range from 50 to 100 per year. Rainfall in the catchments of Spercheios and Voiotiko Kifisos is estimated at 905 mm and 765 mm respectively. The average annual temperature ranges from 11°C to 18°C, depending on the altitude and the distance from the sea.

3.3 COMPETENT AUTHORITIES

Law 3199/2003 (Government Gazette A' 280) on the Protection and Management of Water Bodies harmonises the National Law with the provisions of the Directive 2000/60/EC and defines the competent authorities for the protection and management of Water Bodies. More specifically, regarding the competent authorities, the following applies:

- According to Article 26 of Law 5037/2023 (Government Gazette A΄ 78/28.03.2023), from March 28th, 2023, the National Water Committee 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 3199/2003, the General Directorate for Water of the Ministry of the Environment and Energy, among other things, coordinates the services and state bodies and participates in the competent authorities of the EU for every issue related to the protection and management of water, recommends the general rules for costing and invoicing water and monitors their compliance, recommends legislative and administrative measures for the protection and management of water, monitors the

quality and quantity at a national level of water in collaboration with the Water Directorates of the Decentralized Administrations and ensures the development and operation of the national network for monitoring the quality and quantity of water.

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

Designated competent authorities at regional level:

- The **Water Council of Decentralized Administration (W.C.D.A.),** which is recommended in each Water District that extends to the administrative boundaries of one or more Decentralized Administrations and is an instrument of 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. The Decentralized Administration of Attica, to which the RB of the Department of Attica (EL06) falls, includes the Water Administration of Attica.

In addition, in matters of implementation of the Directive 2000/60/EC, the Municipalities of the 1st and 2nd Grade are involved at the Regional Level.

The table below provides an updated excerpt of Annex II of the Decision of the National Water Commission according to Law 3852/2010.

Table 3-2: Riner Basins and Decentralized Administration

RB Code	RB Name	Regions that geographically extend within the boundaries of River Basins	Competent Decentralized Administration (according to Official Gazette B' 1383, 1572/2010 and Law 3852/2010)
EL0718	Spercheios	Stereas (95,36%) Thessalias (4,63%) Western Greece (0,01%)	Decentralized Authority of Thessalias-Stereas
EL0719	Evvoia	Stereas (100%)	Decentralized Authority of Thessalias-Stereas
EL0722	NE Paralia Kallidromou	Stereas (100%)	Decentralized Authority of Thessalias-Stereas
EL0723	Voiotikos Kifisos	Stereas (99,81%) Attica (0,19%)	Decentralized Authority of Thessalias-Stereas
EL0724	Amfissa	Stereas (100%)	Decentralized Authority of Thessalias-Stereas
EL0725	Asopos	Stereas (79,57%) Attica (20,43%)	Decentralized Authority of Thessalias-Stereas and Decentralized Authority of Attica
EL0735	Sporades	Thessalias (55,52%) Stereas (44,48%)	Decentralized Authority of Thessalias-Stereas

The table below provides an overview of the nature of the role played by each competent authority by thematic area in the context of water management and protection.

Table 3-3: Role of competent authority by subject matter

Competent Authority	Main Roles												
	Analysis of pressures and impacts	Economic analysis	Surface water monitoring	Groundwater monitoring	Assessment of surface water status	Groundwater Status Assessment	RBMP preparation	QS 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 Decentralised 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 Development	-	-	-	-	-	-	-	-	O	-	M	-	-
Hellenic Ministry of Health	-	-	-	-	-	-	-	-	M	-	O	-	-
Hellenic Ministry of Shipping and Island Policy	-	-	-	-	-	-	-	-	-	-	M	-	-
Hellenic Ministry of Interior	-	-	-	-	-	-	-	-	O	-	M	-	-
Municipalities	-	-	-	-	-	-	-	-	M	-	O	-	-
Regions	-	-	-	-	-	-	-	-	M	-	O	-	-

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

4 DESIGNATION AND CLASSIFICATION OF WATER BODIES

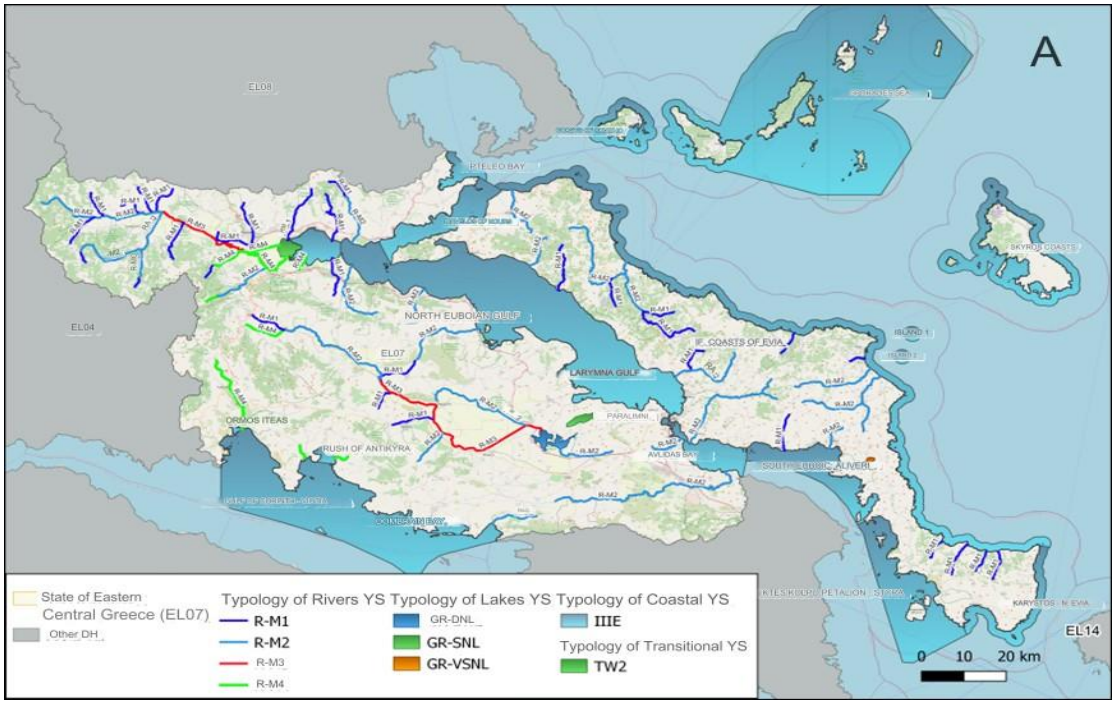
4.1 SURFACE WATER BODIES (SWB)

According to the 2nd River Basin Management Plan Revision in the Eastern Central Greece RBD (EL07), no changes occurred in terms of defining the WB in relation to those that had arisen during the 1st Revision.

More specifically, in the context of the 2nd Revision, a total **of one hundred and four (104) surface water bodies** were identified in the Eastern Central Greece RBD (EL07), the distribution of which in the RBD is shown in the following table.

Table 4-1: Number of Surface Water Bodies in the Eastern Central Greece RBD (EL07) for each RB

WB Type	RBD							Total WB
	RB EL0718	RB EL0719	RB EL0722	RB EL0723	RB EL0724	RB EL0725	RB EL0735	
River WB	33	24	4	14	2	4	0	81
Lake WB	0	1	0	2	0	0	0	3
Transitional WB	1	0	0	0	0	0	0	1
Coastal WB	3	7	1	1	2	2	3	19
Total WB	**37**	**32**	**5**	**17**	**4**	**6**	**3**	**104**



Map 4-1: Identification and typology of Surface WB in the RBD of Eastern Central Greece (EL07)

4.1.1 River WB

The typology and classification of the state of river water bodies of the RBD of Eastern Central Greece (EL07) is presented in the following tables. Also recorded are the differences in ecological and chemical status between the 1st RBMP and its 1st and 2nd Revisions.

Table 4-2: River water bodies and new typology, according to the European Decision 2018/229/EE and the MED GIG, according to WB of the RB (EL0718, EL0719, EL0722, EL0723, EL0724, EL0725) of the RBD of Eastern Central Greece (EL07)

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
Spercheios RB (EL0718)								
1	DRISTELORREMA	EL0718R000100071N	NAT	16.76	95,9	95,9	36,39	R-M1
2	SPERCHEIOS R. (ALAMANA) 1	EL0718R000200049N	NAT	3.42	9,9	1431,8	476,75	R-M4
3	SPERCHEIOS R. (ALAMANA) 2	EL0718R000200050N	NAT	16.09	82,9	1421,9	473,67	R-M4
4	SPERCHEIOS R. (ALAMANA) 5	EL0718R000200058N	NAT	1.95	3,4	1225,6	504,75	R-M4
5	SPERCHEIOS R. (ALAMANA) 6	EL0718R000200061N	NAT	29.13	269,37	1161,94	480,29	R-M3
6	SPERCHEIOS R. (ALAMANA) 7	EL0718R000200064N	NAT	18.93	127,0	541,5	284,80	R-M2
7	SPERCHEIOS R. (ALAMANA) 9- ROUSTIANITIS S.	EL0718R000200070N	NAT	9.47	50,2	50,2	39,39	R-M1
8	ASOPOS R. 1	EL0718R000202051N	NAT	15.77	89,0	113,4	35,20	R-M2
9	ASOPOS R. 2	EL0718R000202052N	NAT	3.05	24,4	24,4	7,58	R-M4
10	SPERCHEIOS R. (ALAMANA) 3	EL0718R000204053A	AWB	2.31	59,4	1444,8	126,67	R-M4

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
11	TAFROS LAMIAS 1	EL0718R000204054A	AWB	4.57	8,2	152,2	47,72	R-M2
12	XERIAS S.	EL0718R000204055N	NAT	12.55	90,0	90,0	28,39	R-M1
13	TAFROS LAMIAS 2	EL0718R000204056A	AWB	10.83	54,0	54,0	16,78	R-M1
14	SPERCHEIOS R (ALAMANA) 4	EL0718R000204057A	AWB	4.96	7,7	1233,3	60,35	R-M4
15	GORGOPOTAMOS 1	EL0718R000206059N	NAT	8.56	20,0	60,2	24,46	R-M4
16	GORGOPOTAMOS 2	EL0718R000206060N	NAT	4.45	40,1	40,1	19,99	R-M1
17	KRITHARORREMA 1	EL0718R000208062N	NAT	9.02	27,0	36,8	11,94	R-M1
18	KRITHARORREMA 2	EL0718R000208063N	NAT	2.94	9,9	9,9	3,20	R-M1
19	MARATHORREMA	EL0718R000210065N	NAT	9.22	27,9	27,9	9,03	R-M1
20	ARCHANIORREMA	EL0718R000212066N	NAT	9.01	40,7	40,7	13,20	R-M1
21	FYSINAS S.	EL0718R000214067N	NAT	8.94	59,2	59,2	19,20	R-M1
22	SPERCHEIOS R. (ALAMANA) 8- VITOLIOTIS S.	EL0718R000216068N	NAT	7.46	49,4	49,4	16,02	R-M1
23	SPERCHEIOS R. (ALAMANA) 10	EL0718R000218069N	NAT	16.7	187,1	187,1	146,82	R-M2
24	SAPOUNORREMA 1	EL0718R000300072N	NAT	14.62	93,4	99,0	37,60	R-M1
25	SAPOUNORREMA 2	EL0718R000300073N	NAT	1.79	5,6	5,6	2,13	R-M1

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
26	REMATIA 1	EL0718R000500075N	NAT	14.98	62,4	103,0	39,09	R-M2
27	REMATIA 2	EL0718R000500076N	NAT	7.4	40,6	40,6	15,41	R-M1
28	LATZORREMA	EL0718R000700078N	NAT	4.66	70,6	70,6	26,80	R-M4
29	INAXOS S.	EL0718R000900079N	NAT	11.6	35,5	314,2	124,72	R-M2
30	KRANIORREMA 1	EL0718R000900080N	NAT	8.24	71,1	107,0	45,91	R-M2
31	KRANIORREMA 2	EL0718R000902081N	NAT	3.3	35,9	35,9	16,28	R-M1
32	VISTRITSA S. 1	EL0718R000904082N	NAT	20.52	129,0	171,7	67,31	R-M2
33	VISTRITSA S. 2	EL0718R000904083N	NAT	3.36	42,7	42,7	17,17	R-M1
Evia RB (EL0719)								
1	MESAPIOS S. 1	EL0719R000100009N	NAT	4.22	38,6	216,1	38,87	R-M2
2	MESAPIOS S. 2 – MAKRYMALIS S.	EL0719R000100010N	NAT	9.25	39,1	39,1	19,57	R-M1
3	MESAPIOS S. 3	EL0719R000100011N	NAT	20.53	138,4	138,4	69,18	R-M2
4	KIREFS S. 1- VOUDOROS	EL0719R000200001N	NAT	3.84	42,2	440,5	381,93	R-M2
5	KIREFS S. 2	EL0719R000200002N	NAT	12.52	90,5	209,5	181,61	R-M2
6	KIREFS S. 4	EL0719R000200004N	NAT	20.46	79,6	79,6	68,97	R-M1

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
7	KIREFS S. 3 – GERORREMA S.	EL0719R000202003N	NAT	8.51	39,4	39,4	34,19	R-M1
8	NILEFS R. 1	EL0719R000204005N	NAT	4.11	8,5	188,9	163,75	R-M2
9	NILEFS R. 2- MAKRYRREMA	EL0719R000204006N	NAT	8.15	48,0	48,0	41,33	R-M1
10	NILEFS R. 3	EL0719R000204007N	NAT	28.67	132,3	132,3	114,44	R-M2
11	LAMARIS R.	EL0719R000300012N	NAT	7.05	41,0	41,0	18,98	R-M1
12	LIDAS R. XERIAS	EL0719R000400008N	NAT	38.05	259,3	259,3	212,21	R-M2
13	MELAS S.	EL0719R000500013N	NAT	4.51	47,9	47,9	22,77	R-M1
14	MANIKIATIS S.	EL0719R000700014N	NAT	22.48	158,4	158,4	75,24	R-M2
15	CHONDROS S.	EL0719R000900015N	NAT	36.4	166,6	166,6	79,13	R-M2
16	GLAFKOS S.	EL0719R001100016N	NAT	6.27	41,3	41,3	14,71	R-M1
17	MEGALO REMA	EL0719R001300017N	NAT	10.3	69,6	69,6	24,80	R-M1
18	PORFYRAS S.	EL0719R001500018N	NAT	6.55	43,0	43,0	15,31	R-M1
19	EVIA	EL0719R001700019N	NAT	8.33	30,5	30,5	10,87	R-M1
20	KASTALIAS S.	EL0719R001900020N	NAT	8.69	110,1	110,1	56,34	R-M2
21	SARANTAPOTAMOS	EL0719R002100021N	NAT	10.35	55,3	55,3	45,30	R-M1

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
22	SIPIAS.	EL0719R002300022N	NAT	15.94	50,8	50,8	44,01	R-M1
23	DEMATA S.	EL0719R002500023N	NAT	10.62	171,1	171,1	78,31	R-M2
24	XIROPOTAMOS	EL0719R002700024N	NAT	15.32	138,5	138,5	63,38	R-M2
NE Paralia Kallidromou RB (EL0722)								
1	TRANI SOUDA	EL0722R000100045N	NAT	11.73	74,1	74,1	19,31	R-M1
2	PLATANIAS S.	EL0722R000300046N	NAT	20.25	115,7	115,7	30,15	R-M2
3	XERIAS S.	EL0722R000500047N	NAT	15.2	114,4	114,4	31,33	R-M2
4	ALARGINO S.	EL0722R000700048N	NAT	21.46	203,7	203,7	61,91	R-M2
Voiotikos Kifisos RB (EL0723)								
1	KIFISOS R. (VOIOTIKOS) 5	EL0723R000000031H	HMWB	37.82	360,0	1843,2	367,49	R-M3
2	KIFISOS R. (VOIOTIKOS) 4	EL0723R000000037N	NAT	16.85	75,9	1106,8	108,04	R-M3
3	KIFISOS R. (VOIOTIKOS) 3	EL0723R000000040N	NAT	36.96	589,5	935,3	297,17	R-M2
4	TRANI SOUDA	EL0723R000000042N	NAT	11.06	246,8	246,8	92,17	R-M4
5	PLATANIAS S.	EL0723R000002032A	AWB	7.98	14,27	167,4	39,77	R-M2
6	XERIAS S.	EL0723R000002033N	NAT	15.42	140,9	140,9	52,63	R-M2

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
7	ALARGINO S.	EL0723R000002034N	NAT	20.93	153,1	153,1	27,50	R-M2
8	PONTZA R.	EL0723R000004035N	NAT	10.45	116,7	116,7	44,02	R-M2
9	ERKYNA	EL0723R000006036N	NAT	10.68	92,3	92,3	34,49	R-M1
10	VATHYRREMA	EL0723R000008038N	NAT	6.23	44,8	44,8	16,72	R-M1
11	BOGDANORREMA	EL0723R000010039N	NAT	12.35	47,6	47,6	17,77	R-M1
12	KIFISOS R. (VOIOTIKOS) 2 – APOSTOLIAS S.	EL0723R000012041N	NAT	10.26	99,0	99,0	36,99	R-M1
13	KALAMITIS S.	EL0723R000014043N	NAT	14.71	310,6	310,6	79,61	R-M2
14	RITSONAS S.	EL0723R000100044N	NAT	9.02	147,1	147,1	28,76	R-M2
Amfissa RB (EL0724)								
1	SKITSA S.	EL0724R000100029N	NAT	22.65	459,3	459,3	139,31	R-M4
2	KATAFYGI S.	EL0724R000300030N	NAT	3.78	149,1	149,1	45,22	R-M4
Asopos RB (EL0725)								
1	LIVADOSTRAS S. (STRAVOPOTAMOS)	EL0725R000100027N	NAT	12.38	151,2	151,2	28,58	R-M2
2	ASOPOS R.(VOURIENIS) 1	EL0725R000200025N	NAT	27.74	371,3	721,1	136,28	R-M2
3	ASOPOS R.(VOURIENIS) 2	EL0725R000200026N	NAT	30.65	349,8	349,8	66,11	R-M2

No	WB Name	WB Code	Category	Length (km)	Immediate Catchment Area (km^2)	Upstream Catchment area (km^2)	Mean Annual Flow (hm^3)	WB Type
4	KLEISOURAS S.	EL0725R000300028N	NAT	8.08	135,8	135,8	41,18	R-M4
NAT: Natural WB, HMWB: Heavily Modified WB, AWB: Artificial WB								

Table 4-3: Classification of the status of the Rivers and Water Bodies in the RBD of Eastern Central Greece (EL07) and differences in the status between the 1st RBMP and its 1st and 2nd Revisions

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0718R000100071N	DRISTELORREMA	GOOD	GOOD	GOOD	MODERATE	3	GOOD	1	MODERATE	GOOD	2	GOOD	2	GOOD
EL0718R000200049N	SPERCHEIOS R. (ALAMANA) 1	POOR	LESS THAN GOOD	POOR	MODERATE	1	GOOD	1	MODERATE	MODERATE	1	GOOD	1	MODERATE
EL0718R000200050N	SPERCHEIOS R. (ALAMANA) 2	POOR	LESS THAN GOOD	POOR	MODERATE	3	GOOD	2	MODERATE	POOR	2	LESS THAN GOOD	2	POOR

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0718R000200058N	SPERCHEIOS R. (ALAMANA) 5	POOR	GOOD	POOR	MODERATE	1	UNKNOWN	0	UNKNOWN	GOOD	1	GOOD	1	GOOD
EL0718R000200061N	SPERCHEIOS R. (ALAMANA) 6	MODERATE	GOOD	MODERATE	GOOD	3	GOOD	2	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000200064N	SPERCHEIOS R. (ALAMANA) 7	GOOD	UNKNOWN	UNKNOWN	MODERATE	3	UNKNOWN	0	UNKNOWN	GOOD	1	GOOD	1	GOOD
EL0718R000200070N	SPERCHEIOS R. (ALAMANA) 9-ROUSTIANITIS S.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000202051N	ASOPOS R. 1	POOR	UNKNOWN	UNKNOWN	BAD	3	GOOD	2	BAD	POOR	2	LESS THAN GOOD	2	POOR
EL0718R000202052N	ASOPOS R. 2	UNKNOWN	UNKNOWN	UNKNOWN	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000204053A	SPERCHEIOS R. (ALAMANA) 3	POOR	UNKNOWN	UNKNOWN	UNKNOWN	0	GOOD	1	UNKNOWN	POOR	0	GOOD	0	POOR

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0718R000204054A	TAFROS LAMIAS 1	BAD	UNKNOWN	UNKNOWN	UNKNOWN	0	UNKNOWN	0	UNKNOWN	GOOD	0	LESS THAN GOOD	2	MODERATE
EL0718R000204055N	XERIAS S.	UNKNOWN	UNKNOWN	UNKNOWN	GOOD	2	GOOD	1	GOOD	MODERATE	1	GOOD	0	MODERATE
EL0718R000204056A	TAFROS LAMIAS 2	BAD	UNKNOWN	UNKNOWN	UNKNOWN	0	GOOD	1	UNKNOWN	MODERATE	0	GOOD	0	MODERATE
EL0718R000204057A	SPERCHEIOS R (ALAMANA) 4	MODERATE	UNKNOWN	UNKNOWN	POOR	3	GOOD	2	POOR	MODERATE	2	LESS THAN GOOD	2	MODERATE
EL0718R000206059N	GORGOPOTAMOS 1	HIGH	GOOD	HIGH	GOOD	3	GOOD	1	GOOD	MODERATE	2	GOOD	1	MODERATE
EL0718R000206060N	GORGOPOTAMOS 2	HIGH	GOOD	HIGH	GOOD	1	GOOD	1	GOOD	MODERATE	1	GOOD	0	MODERATE
EL0718R000208062N	KRITHARORREMA 1	MODERATE	GOOD	MODERATE	GOOD	3	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0718R000208063N	KRITHARORREMA 2	GOOD	GOOD	GOOD	MODERATE	1	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD
EL0718R000210065N	MARATHORREMA	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000212066N	ARCHANIORREMA	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000214067N	FYSINAS S.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000216068N	SPERCHEIOS R. (ALAMANA) 8-VITOLIOTIS S.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000218069N	SPERCHEIOS R. (ALAMANA) 10	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000300072N	SAPOUNORREMA 1	UNKNOWN	UNKNOWN	UNKNOWN	POOR	3	GOOD	1	POOR	MODERATE	1	GOOD	1	MODERATE
EL0718R000300073N	SAPOUNORREMA 2	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0718R000500075N	REMATIA 1	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	2	MODERATE	MODERATE	1	GOOD	1	MODERATE
EL0718R000500076N	REMATIA 2	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD
EL0718R000700078N	LATZORREMA	MODERATE	UNKNOWN	UNKNOWN	UNKNOWN	0	UNKNOWN	0	UNKNOWN	GOOD	1	GOOD	1	GOOD
EL0718R000900079N	INAXOS S.	GOOD	GOOD	GOOD	GOOD	3	GOOD	1	GOOD	MODERATE	3	GOOD	1	MODERATE
EL0718R000900080N	KRANIORREMA 1	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	HIGH	3	GOOD	1	HIGH
EL0718R000902081N	KRANIORREMA 2	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0718R000904082N	VISTRITSA S. 1	GOOD	GOOD	GOOD	HIGH	3	GOOD	1	HIGH	GOOD	3	GOOD	1	GOOD
EL0718R000904083N	VISTRITSA S. 2	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0719R000100009N	MESAPIOS S. 1	BAD	UNKNOWN	UNKNOWN	GOOD	3	GOOD	2	GOOD	BAD	2	LESS THAN GOOD	2	BAD
EL0719R000100010N	MESAPIOS S. 2 – MAKRYMALIS S.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	MODERATE	1	GOOD	0	MODERATE
EL0719R000100011N	MESAPIOS S. 3	BAD	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	GOOD	3	GOOD	2	GOOD
EL0719R000200001N	KIREFS S. 1-VOUDOROS	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	BAD	3	GOOD	2	BAD
EL0719R000200002N	KIREFS S. 2	GOOD	GOOD	GOOD	GOOD	3	GOOD	2	GOOD	GOOD	0	GOOD	2	GOOD
EL0719R000200004N	KIREFS S. 4	GOOD	UNKNOWN	UNKNOWN	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	0	GOOD
EL0719R000202003N	KIREFS S. 3 – GERORREMA S.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0719R000204005N	NILEFS R. 1	GOOD	UNKNOWN	UNKNOWN	GOOD	1	GOOD	1	GOOD	MODERATE	1	GOOD	1	MODERATE

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0719R000204006N	NILEFS R. 2-MAKRYRREMA	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	MODERATE	1	GOOD	0	MODERATE
EL0719R000204007N	NILEFS R. 3	GOOD	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	MODERATE	1	GOOD	0	MODERATE
EL0719R000300012N	LAMARIS R.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0719R000400008N	LIDAS R. XERIAS	UNKNOWN	UNKNOWN	UNKNOWN	HIGH	3	UNKNOWN	0	UNKNOWN	MODERATE	1	LESS THAN GOOD	0	MODERATE
EL0719R000500013N	MELAS S.	UNKNOWN	UNKNOWN	UNKNOWN	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0719R000700014N	MANIKIATIS S.	GOOD	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	MODERATE	3	GOOD	2	MODERATE
EL0719R000900015N	CHONDROS S.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	POOR	3	LESS THAN GOOD	2	POOR
EL0719R001100016N	GLAFKOS S.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0719R001300017N	MEGALO REMA	GOOD	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD
EL0719R001500018N	PORFYRAS S.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	3	GOOD	1	GOOD
EL0719R001700019N	EVIA	HIGH	GOOD	HIGH	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0719R001900020N	KASTALIAS S.	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	UNKNOWN	0	UNKNOWN	GOOD	0	GOOD	1	GOOD
EL0719R002100021N	SARANTAPOTAMOS	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD
EL0719R002300022N	SIPIAS.	GOOD	GOOD	GOOD	GOOD	1	GOOD	1	GOOD	GOOD	1	GOOD	1	GOOD
EL0719R002500023N	DEMATA S.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	GOOD	1	GOOD	1	GOOD
EL0719R002700024N	XIROPOTAMOS	GOOD	GOOD	GOOD	MODERATE	3	UNKNOWN	0	UNKNOWN	MODERATE	2	LESS THAN GOOD	2	MODERATE
EL0722R000100045N	TRANI SOUDA	GOOD	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0722R000300046N	PLATANIAS S.	UNKNOWN	UNKNOWN	UNKNOWN	POOR	3	GOOD	2	POOR	GOOD	1	GOOD	1	GOOD
EL0722R000500047N	XERIAS S.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	GOOD	1	GOOD	1	GOOD
EL0722R000700048N	ALARGINO S.	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	2	MODERATE	GOOD	0	GOOD	1	GOOD
EL0723R000000031H	KIFISOS R. (VOIOTIKOS) 5	POOR	LESS THAN GOOD	POOR	UNKNOWN	0	UNKNOWN	0	UNKNOWN	POOR	0	GOOD	1	POOR
EL0723R000000037N	KIFISOS R. (VOIOTIKOS) 4	MODERATE	GOOD	MODERATE	GOOD	3	GOOD	2	GOOD	MODERATE	1	GOOD	0	MODERATE
EL0723R000000040N	KIFISOS R. (VOIOTIKOS) 3	MODERATE	UNKNOWN	UNKNOWN	GOOD	2	UNKNOWN	0	UNKNOWN	MODERATE	1	GOOD	0	MODERATE

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0723R000000042N	KIFISOS R. (VOIOTIKOS) 1 – KANIANITIS S.	GOOD	UNKNOWN	UNKNOWN	GOOD	3	GOOD	1	GOOD	GOOD	3	GOOD	0	GOOD
EL0723R000002032A	MELAS R. 3 (MAVROPOTAMOS)	MODERATE	UNKNOWN	UNKNOWN	UNKNOWN	0	GOOD	1	UNKNOWN	POOR	0	GOOD	1	POOR
EL0723R000002033N	MELAS R. 2 (MAVROPOTAMOS)	MODERATE	UNKNOWN	UNKNOWN	UNKNOWN	0	UNKNOWN	0	UNKNOWN	MODERATE	1	GOOD	1	MODERATE
EL0723R000002034N	MELAS R. 1 (MAVROPOTAMOS)	MODERATE	GOOD	MODERATE	GOOD	2	GOOD	2	GOOD	GOOD	2	GOOD	2	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0723R000004035N	PONTZA R.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	MODERATE	1	GOOD	1	MODERATE
EL0723R000006036N	ERKYNA	POOR	GOOD	POOR	POOR	3	GOOD	2	POOR	POOR	2	LESS THAN GOOD	2	POOR
EL0723R000008038N	VATHYRREMA	GOOD	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	MODERATE	1	GOOD	0	MODERATE
EL0723R000010039N	BOGDANORREMA	GOOD	GOOD	GOOD	MODERATE	1	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD
EL0723R000012041N	KIFISOS R. (VOIOTIKOS) 2 – APOSTOLIAS S.	GOOD	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	MODERATE	1	GOOD	0	MODERATE
EL0723R000014043N	KALAMITIS S.	MODERATE	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	MODERATE	1	LESS THAN GOOD	0	MODERATE

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0723R000100044N	RITSONAS S.	MODERATE	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	MODERATE	1	LESS THAN GOOD	0	MODERATE
EL0724R000100029N	SKITSA S.	POOR	UNKNOWN	UNKNOWN	UNKNOWN	0	UNKNOWN	0	UNKNOWN	MODERATE	1	LESS THAN GOOD	0	MODERATE
EL0724R000300030N	KATAFYGI S.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	UNKNOWN	0	UNKNOWN	MODERATE	1	GOOD	0	MODERATE
EL0725R000100027N	LIVADOSTRAS S. (STRAVOPOTAMOS)	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	GOOD	1	GOOD	1	GOOD
EL0725R000200025N	ASOPOS R.(VOURIENIS) 1	BAD	GOOD	BAD	POOR	3	GOOD	2	POOR	BAD	2	LESS THAN GOOD	2	BAD
EL0725R000200026N	ASOPOS R.(VOURIENIS) 2	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	UNKNOWN	0	UNKNOWN	BAD	2	LESS THAN GOOD	2	BAD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBMP	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0725R000300028N	KLEISOURAS S.	UNKNOWN	UNKNOWN	UNKNOWN	MODERATE	1	GOOD	1	MODERATE	MODERATE	1	GOOD	0	MODERATE
Classification Confidence Score: «0» = Unknown, «1» = Low Confidence, «2» = Moderate Confidence, «3» = High Confidence														

4.1.2 Lake WB

The typology and classification of the state of lake water bodies of the Eastern Central Greece RBD (EL07) is presented in the following tables. Also recorded are the differences in ecological and chemical status between 1st RBMP and its 1st and 2nd Revisions.

Table 4-4: Lake water bodies and new typology, according to WB RBD of Eastern Central Greece (EL07)

No	WB Name	WB Code	Category	Area (km^2)	Perometer (km)	WB Type
Evia RB (EL0719)						
1	DYSTOS	EL0719L000000002N	NAT	5,07	11,03	EL-VSNL
Voiotikos Kifisos RB (EL0723)						
1	PARALIMNI	EL0723L000000001N	NAT	10,97	18,46	EL-SNL

No	WB Name	WB Code	Category	Area (km^2)	Perometer (km)	WB Type
2	YLIKI	EL0723L000000003N	NAT	19,60	50,38	EL-DNL

NAT: Natural WB

Table 4-5: Classification of the status of the Lakes and Water Bodies in the RBD of Eastern Central Greece (EL07) and differences in the status between the 1st RBMP as well as the 1st and 2nd RBMP Revisions

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBM	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0723L000000001N	PARALIMNI	UNKNOWN	GOOD	UNKNOWN	GOOD	3	GOOD	2	GOOD	GOOD	2	GOOD	2	GOOD
EL0723L000000003N	YLIKI	GOOD	GOOD	GOOD	GOOD	3	GOOD	2	GOOD	GOOD	2	GOOD	2	GOOD
EL0719L000000002N	DYSTOS	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	0	GOOD	2	UNKNOWN	MODERATE	2	GOOD	2	MODERATE

Classification Confidence Score: «0» = Unknown, «1» = Low Confidence, «2» = Moderate Confidence, «3» = High Confidence

4.1.3 Transitional WB

The typology and classification of the state of transitional water bodies of the RBD of Eastern Central Greece (EL07) is presented in the following tables. Also recorded are the differences in ecological and chemical status between the 1st RBMP and its 1st and 2nd RBMP Revisions.

Table 4-6: Transitional water bodies and new typology, of the RBD of Eastern Central Greece (EL07)

No	WB Name	WB Code	Category	Area (km^2)	Perimeter (km)	WB Type
Spercheios RB (EL0718)						
1	DELTA SPERCHEIOU	EL0718T0001N	NAT	18,39	19,98	TW2
NAT: Natural WB						

Table 4-7: Classification of the status of the Transitional Water Bodies in the Eastern Central Greece (EL07) and differences in the status between the 1st RBMP as well as the 1st and 2nd RBMP Revisions

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBM	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0718T0001N	DELTA SPERCHEIOU	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	UNKNOWN	0	UNKNOWN	HIGH	3	GOOD	2	HIGH
Classification Confidence Score: «0» = Unknown, «1» = Low Confidence, «2» = Moderate Confidence, «3» = High Confidence														

4.1.4 Coastal WB

The typology and classification of the state of coastal water bodies of the RBD of Eastern Central Greece (EL07) is presented in the following tables. Also recorded are the differences in ecological and chemical status between the 1st RBMP and its 1st and 2nd Revisions.

Table 4-8: Coastal water bodies of the RBD of Eastern Central Greece (EL07)

No	WB Name	WB Code	Category	Area (km^2)	Perimeter (km)	WB Type
Spercheios RB (EL0718)						
1	ORMOS PTELEOU	EL0718C0004N	NAT	38,49	62,3	IIIE
2	DIAVLOS OREON	EL0718C0005N	NAT	165,82	119,1	IIIE
3	MALLIAKOS KOLPOS	EL0718C0007N	NAT	76,55	84,2	IIIE
Evia RB (EL0719)						
4	VOREIOS EVVOIKOS KOLPOS	EL0719C0006N	NAT	1139,59	381,9	IIIE
5	AN. AKTES EVIAS	EL0719C0008N	NAT	469,26	661,2	IIIE
6	NISIDA 1	EL0719C0009N	NAT	12,64	13,6	IIIE
7	NISIDA 2	EL0719C0010N	NAT	11,34	12,3	IIIE
8	NOTIOS EVVOIKOS- ALIVERI	EL0719C0013N	NAT	211,28	147,0	IIIE
9	AKTES KOLPOU PETALION- STYRA	EL0719C0014N	NAT	368,98	213,5	IIIE
10	KARYSTOS- N. EVIA	EL0719C0015N	NAT	105,32	155,6	IIIE
NE Paralia Kallidromou RB (EL0722)						
11	KOLPOS LARYMNAS	EL0722C0011N	NAT	2,92	11,8	IIIE
Voiotikos Kifisos RB (EL0723)						
12	KOLPOS AVLIDAS	EL0723C0012N	NAT	113,42	95,2	IIIE
Amfissa RB (EL0724)						
13	ORMOS ITEAS	EL0724C0016N	NAT	5,55	19,6	IIIE
14	ORMOS ANTIKYRAS	EL0724C0017N	NAT	15,10	22,2	IIIE
Asopos RB (EL0725)						

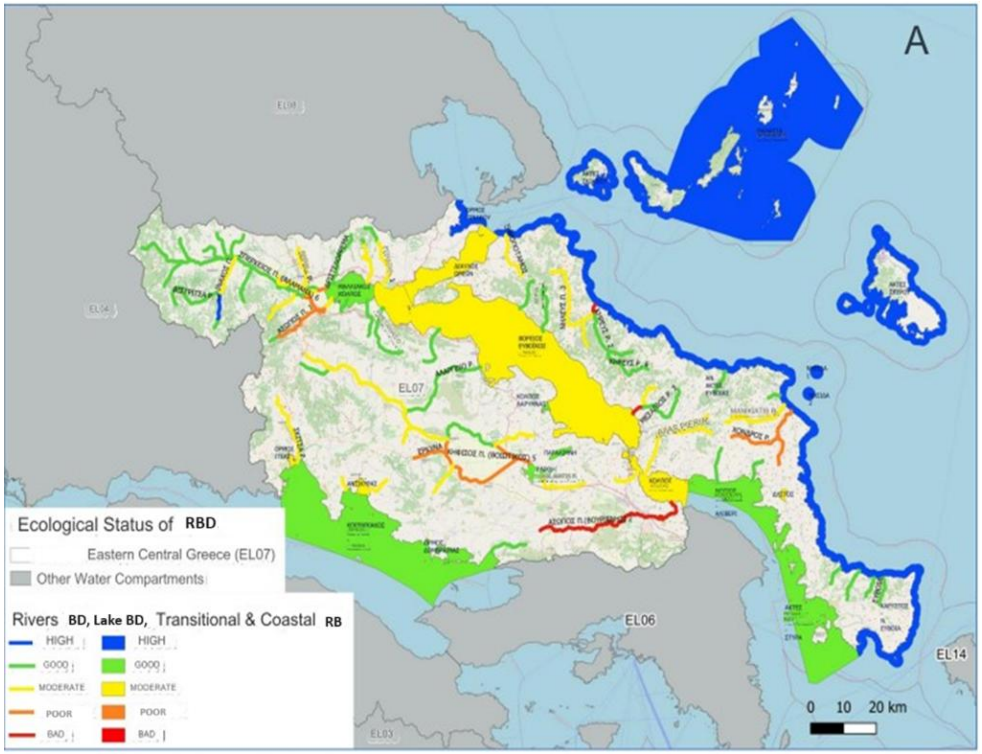
No	WB Name	WB Code	Category	Area (km²)	Perimeter (km)	WB Type
15	ORMOS DOMVRAINAS	EL0725C0018N	NAT	28,45	47,3	IIIE
16	KORINTHIAKOS KOLPOS - VOIOTIA	EL0725C0019N	NAT	858,24	293,2	IIIE
Sporades RB (EL0735)						
17	AKTES SKIATHOU	EL0735C0001N	NAT	106,62	141,4	IIIE
18	TSALASSA SPORADON	EL0735C0002N	NAT	2176,61	680,4	IIIE
19	AKTES SKYROU	EL0735C0003N	NAT	293,69	375,1	IIIE
NAT: Natural WB						

Table 4-9: Classification of the status of the Coastal Water Bodies in the RBD of Eastern Central Greece (EL07) and differences in the status between the 1st RBMP as well as the 1st and 2nd RBMP Revisions

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBM	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0735C0001N	AKTES SKIATHOU	HIGH	UNKNOWN	UNKNOWN	HIGH	1	UNKNOWN	0	UNKNOWN	HIGH	0	GOOD	0	HIGH
EL0719C0008N	AN. AKTES EVIAS	GOOD	UNKNOWN	UNKNOWN	HIGH	1	GOOD	1	HIGH	HIGH	0	GOOD	0	HIGH
EL0718C0005N	DIAVLOS OREON	HIGH	UNKNOWN	UNKNOWN	GOOD	3	GOOD	2	GOOD	MODERATE	3	GOOD	2	MODERATE
EL0735C0003N	AKTES SKYROU	HIGH	UNKNOWN	UNKNOWN	HIGH	1	GOOD	1	HIGH	HIGH	0	GOOD	0	HIGH

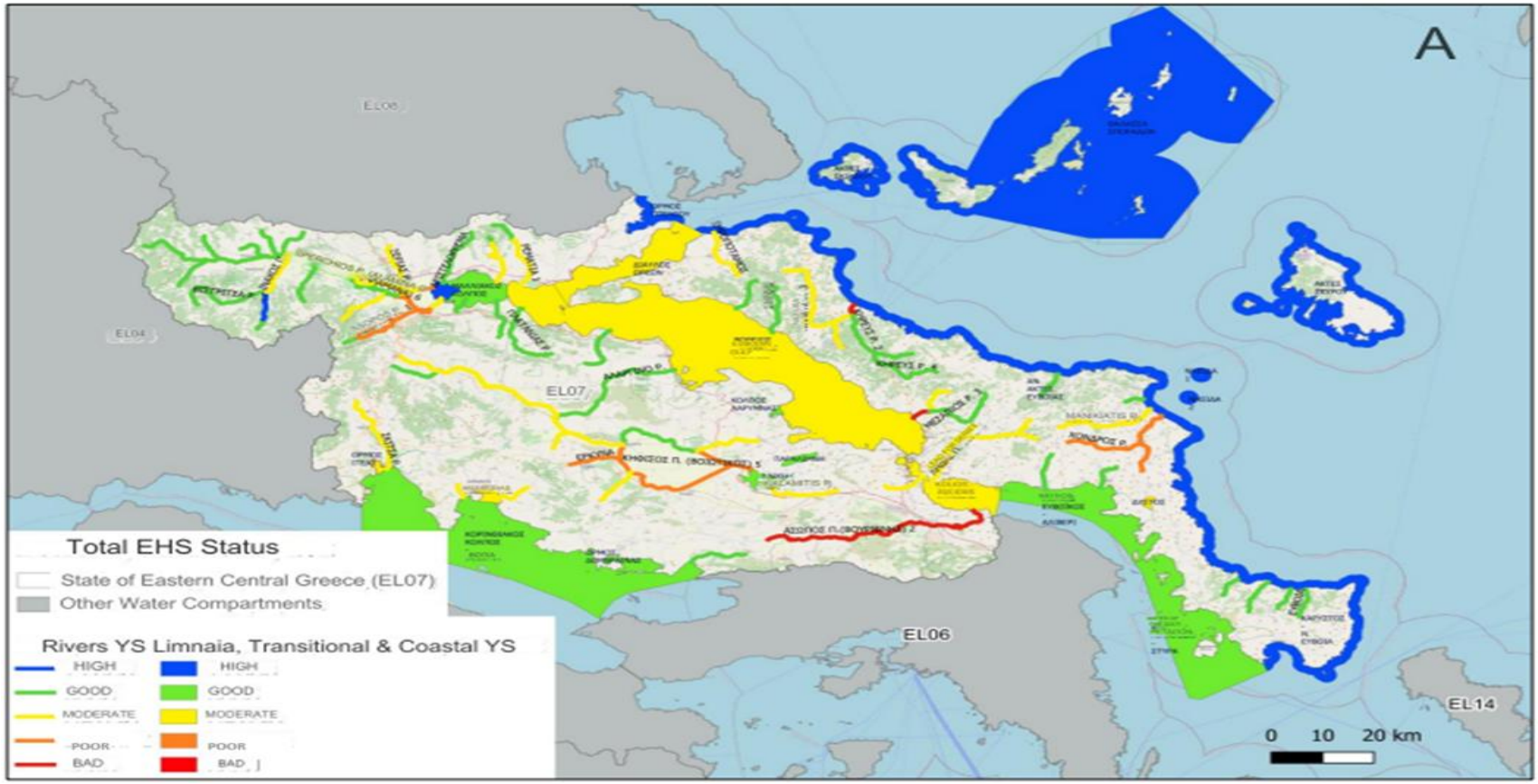
WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBM	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0719C0006N	VOREIOS EVVOIKOS KOLPOS	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	2	MODERATE	MODERATE	3	GOOD	1	MODERATE
EL0719C0009N	NISIDA 1	HIGH	UNKNOWN	UNKNOWN	HIGH	1	GOOD	1	HIGH	HIGH	0	GOOD	0	HIGH
EL0719C0010N	NISIDA 2	HIGH	UNKNOWN	UNKNOWN	HIGH	1	GOOD	1	HIGH	HIGH	0	GOOD	0	HIGH
EL0722C0011N	KOLPOS LARYMNAS	POOR	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	2	MODERATE	GOOD	3	GOOD	2	GOOD
EL0725C0019N	KORINTHIAKOS KOLPOS-VOIOTIA	GOOD	UNKNOWN	UNKNOWN	GOOD	3	GOOD	1	GOOD	GOOD	0	GOOD	0	GOOD
EL0718C0007N	MALLIAKOS KOLPOS	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	2	MODERATE	GOOD	3	GOOD	2	GOOD
EL0718C0004N	ORMOS PTELEOU	HIGH	UNKNOWN	UNKNOWN	HIGH	1	UNKNOWN	0	UNKNOWN	HIGH	0	GOOD	0	HIGH
EL0735C0002N	TSALASSA SPORADON	HIGH	UNKNOWN	UNKNOWN	HIGH	1	UNKNOWN	0	UNKNOWN	HIGH	0	GOOD	0	HIGH
EL0723C0012N	KOLPOS AVLIDAS	MODERATE	UNKNOWN	UNKNOWN	MODERATE	3	GOOD	2	MODERATE	MODERATE	3	GOOD	2	MODERATE
EL0724C0016N	ORMOS ITEAS	MODERATE	UNKNOWN	UNKNOWN	GOOD	3	GOOD	2	GOOD	MODERATE	3	GOOD	2	MODERATE
EL0719C0013N	NOTIOS EVVOIKOS- ALIVERI	GOOD	UNKNOWN	UNKNOWN	GOOD	1	UNKNOWN	0	UNKNOWN	GOOD	0	GOOD	0	GOOD
EL0724C0017N	ORMOS ANTIKYRAS	MODERATE	UNKNOWN	UNKNOWN	GOOD	3	GOOD	2	GOOD	MODERATE	3	GOOD	2	MODERATE
EL0725C0018N	ORMOS DOMVRAINAS	GOOD	UNKNOWN	UNKNOWN	GOOD	3	GOOD	2	GOOD	GOOD	3	GOOD	2	GOOD

WB Code	WB Name	Ecological Status of the 1st RBMP	Chemical Status of the 1st RBM	Overall Status of the 1st RBMP	Ecological Status of the 1st Revision	Eco-classification Confidence LevEL **	Chemical Status of the 1st Revision	Chemical Classification Confidence LevEL **	Overall Status of the 1st Revision	Ecological Status / Potential of the 2nd Revision	Eco-classification Confidence LevEL **	Chemical Status 2nd Revision	Chemical Classification Confidence LevEL **	Overall Status of 2nd Revision
EL0719C0014N	AKTES KOLPOU PETALION - STYRA	GOOD	UNKNOWN	UNKNOWN	GOOD	1	GOOD	1	GOOD	GOOD	0	GOOD	0	GOOD
EL0719C0015N	KARYSTOS - N. EVIA	HIGH	UNKNOWN	UNKNOWN	HIGH	1	GOOD	1	HIGH	HIGH	0	GOOD	0	HIGH
Classification Confidence Score: «0» = Unknown, «1» = Low Confidence, «2» = Moderate Confidence, «3» = High Confidence														



Map 4-2: Ecological status of SWB of the RBD of Eastern Central Greece (EL*07)*

Map 4-3: Chemical status of SWB of the RBD of Eastern Central Greece (EL07)



Map 4-4: Total status of SWB of the RBD of Eastern Central Greece (EL07)

4.2 GROUNDWATER BODIES

Under the 2nd RBMP Revision of the Eastern Central Greece RBD (EL07), the delimitation and characterization/evaluation of the GWB that was done during the 1st Revision was reviewed.

The forty-three (43) identified GWB's of the Eastern Central Greece (EL07) are presented on the table that follows.

Table 4-10: GWB's of the Eastern Central Greece (EL07) as they are presented under the 2nd RBMP Revision

No	RB	2nd Revision of the RBMP	
		Code	Name
1	EL0718	EL0700010	Anatolikou Timfristou – Vistritsas - Oitis
2	EL0718	EL0700020	Zileutou- Moschokarias
3	EL0718	EL0700030	Lamias-stylidas
4	EL0718	EL0700040	Pelasgias
5	EL0718	EL0700051	Spercheiou (a)
6		EL0700052	Spercheiou (b)
7	EL0718	EL0700060	Ypatis-Kallidromou
8	EL0722	EL0700070	Knimidas
9	EL0722	EL0700080	Atalantis
10	EL0723	EL0700090	Ano kai Meso Rou Voiotikou Kifisou
11	EL0723	EL0700100	Kalapodiou- Kastrou- Orchomenou- Vasilikon
12	EL0722	EL0700110	Malesinas
13	EL0724	EL0700120	Gionas
14	EL0724	EL0700130	Amfissas
15	EL0723	EL0700140	Gravias
16	EL0723	EL0700150	Parnassou
17	EL0723	EL0700160	Distomou
18	EL0723	EL0700170	Elikona

No	RB	2nd Revision of the RBMP	
		Code	Name
19	EL0723	EL0700181	Kato Rou Voiotikou Kifisou (a)
20		EL0700182	Kato Rou Voiotikou Kifisou (b)
21	EL0723	EL0700190	Ylikis-Paralimnis
22	EL0723	EL0700200	Ypatou
23	EL0725	EL0700211	Thivon-Assopou- Schimatariou (a)
24		EL0700212	Thivon-Assopou- Schimatariou (b)
25		EL0700213	Thivon-Assopou- Schimatariou (c)
26	EL0725	EL0700220	Skourton-Ag. Thoma
27	EL0725	EL0700230	Antikiras-Kithairona
28	EL0719	EL0700240	Lichadas
29	EL0719	EL0700250	Telethriou Orous- Edipsou
30	EL0719	EL0700260	Istiaias-Limnis
31	EL0719	EL0700270	Vasilikon-Nilea
32	EL0719	EL0700280	Mantoudiou
33	EL0719	EL0700290	Dirfyos
34	EL0719	EL0700300	Politikon-Psachnon
35	EL0719	EL0700310	Chalkidas-Eretrias
36	EL0719	EL0700320	Vatheias- Xirovouniou
37	EL0719	EL0700330	Setas
38	EL0719	EL0700340	Kymis-Aliveriou
39	EL0719	EL0700350	Dystou-Notias Evias
40	EL0719	EL0700360	Ochis
41	EL0735	EL0700370	Skyrou
42	EL0735	EL0700380	Skiathou
43	EL0735	EL0700390	Skopelou
44	EL0735	EL0700400	Alonissou

No	RB	2nd Revision of the RBMP	
		Code	Name
45	EL0735	EL0700410	Islands Kyra Panagia, Gioura

The status of a GWB depends on both the assessment of its chemical and quantitative status. The good chemical status of the waters indicates low or even lack of pollution, while the good quantitative status indicates non-depletion of the aquifer.

The following Tables include the status and classification data of the GWB of the Eastern Central Greece RBD (EL07) as they emerged during the 2nd RBMP Revision.

Table 4-11: Assessment of the Chemical and Quantitative status of the GWB of Eastern Central Greece (EL07)

Code	WB Name	Quantitate (chemical) status	Qualitative status	Increased ELement values due to natural background	Exceeded quality parameters	Main pressures	Marine penetration	Protected Areas
EL0700010	Anatolikou Timfristou – Vistritsas- Oitis	GOOD	GOOD	-	-	livestock farming,	NO	-
EL0700020	Zileutou-Moschokarias	GOOD	GOOD	-	-	livestock farming,	NO	-
EL0700030	Lamias-stylidas	GOOD	GOOD	Magnesium 130 mg/L	-	Secondary sector, Agriculture, livestock farming, WWTP urbanization	NO	YES
EL0700040	Pelasgias	GOOD	GOOD	-	-	Agriculture, livestock farming, secondary sector	NO	-
EL0700051	Spercheiou (a)	POOR	GOOD	Magnesium 80 mg/L	NO_3, metals	Agriculture, livestock farming, secondary sector, WWTP urbanization	NO	-
EL0700052	Spercheiou (b)	GOOD	GOOD	Magnesium 80 mg/L		Agriculture, livestock farming	NO	-
EL0700060	Ypatis-Kallidromou	GOOD	GOOD			Agriculture, livestock farming, secondary sector	NO	YES

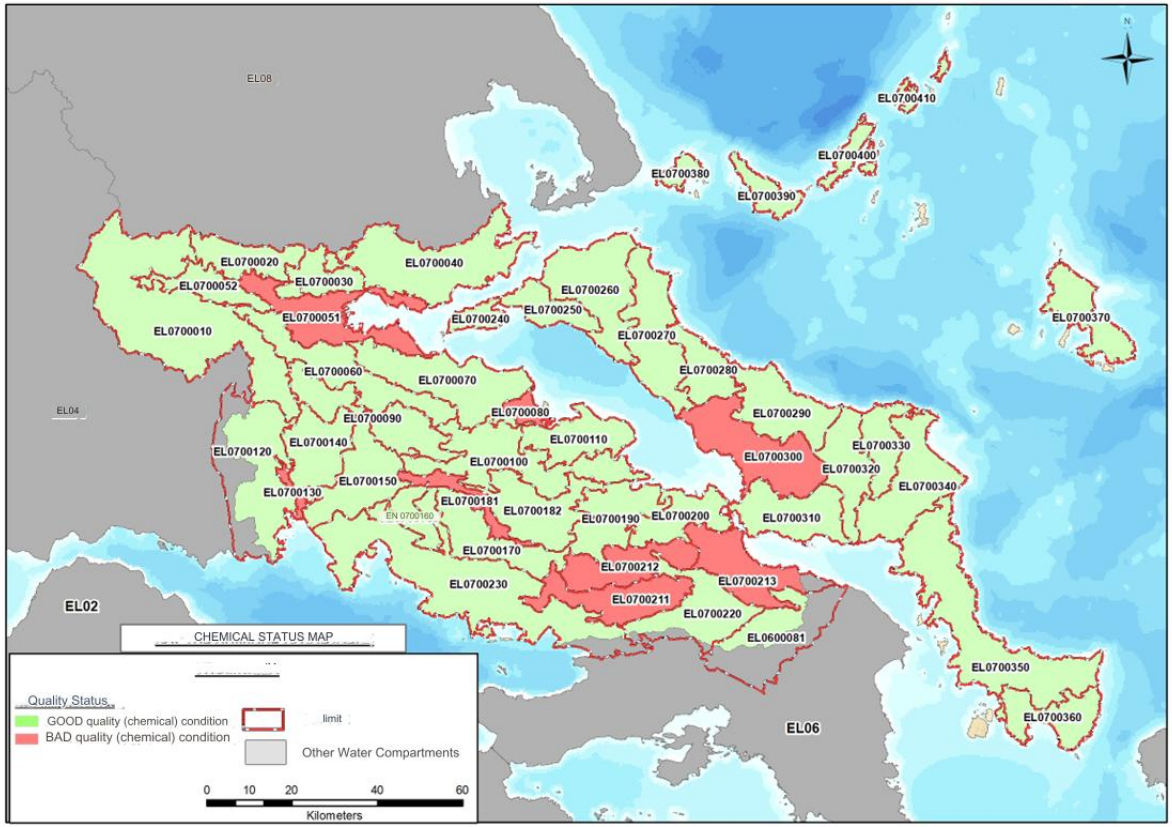
Code	WB Name	Quantitate (chemical) status	Qualitative status	Increased ELement values due to natural background	Exceeded quality parameters	Main pressures	Marine penetration	Protected Areas
EL0700070	Knimidas	GOOD	GOOD		EC, Cl, metals	Agriculture, livestock farming, WWTP urbanization	Locally in the coastal zone	YES
EL0700080	Atalantis	POOR	GOOD		NO_3	Agriculture, urbanization	Locally in the coastal zone	-
EL0700090	Ano kai Meso Rou Voiotikou Kifisou	GOOD	GOOD		NO_3, metals	Agriculture, livestock farming, urbanization	NO	-
EL0700100	Kalapodiou-Kastrou-Orchomenou-Vasilikon	GOOD	GOOD		NO_3, metals	Agriculture, livestock farming	NO	-
EL0700110	Malesinas	GOOD	GOOD		EC, Cl, SO_4	Agriculture, livestock farming, WWTP urbanization	Locally in the coastal zone (natural)	-
EL0700120	Gionas	GOOD	GOOD		EC, Cl, SO_4	Agriculture, livestock farming, WWTP urbanization	Locally in the coastal zone (natural)	-
EL0700130	Amfissas	POOR	POOR		EC, Cl, SO_4 metals	Agriculture, WWTP, urbanization	Locally in the coastal zone	-
EL0700140	Gravias	GOOD	GOOD			Livestock farming	NO	-

Code	WB Name	Quantitate (chemical) status	Qualitative status	Increased ELement values due to natural background	Exceeded quality parameters	Main pressures	Marine penetration	Protected Areas
EL0700150	Parnassou	GOOD	GOOD		EC, Cl, metals	Livestock farming, urbanization	Locally in the coastal zone (natural)	YES
EL0700160	Distomou	GOOD	GOOD			Livestock farming	NO	-
EL0700170	Elikona	GOOD	GOOD			Agriculture, livestock farming	NO	YES
EL0700181	Kato Rou Voiotikou Kifisou (a)	POOR	GOOD		NO_3, metals	Agriculture, livestock farming, WWTP urbanization	NO	-
EL0700182	Kato Rou Voiotikou Kifisou (b)	GOOD	GOOD		NO_3, metals	Agriculture, livestock farming	NO	-
EL0700190	Ylikis-Paralimnis	GOOD	GOOD		metals	Livestock farming, WWTP	NO	YES
EL0700200	Ypatou	GOOD	GOOD	Magnesium 110 mg/L		Agriculture, livestock farming urbanization	Locally in the coastal zone (natural)	-
EL0700211	Thivon-Assopou-Schimatariou (a)	POOR	GOOD		NO_3	Agriculture, livestock farming	NO	-
EL0700212	Thivon-Assopou-Schimatariou (b)	POOR	GOOD		NO_3, metals	Agriculture, livestock farming urbanization	NO	-

Code	WB Name	Quantitate (chemical) status	Qualitative status	Increased ELement values due to natural background	Exceeded quality parameters	Main pressures	Marine penetration	Protected Areas
EL0700213	Thivon-Assopou-Schimatariou (c)	POOR	GOOD		EC, Cl, NO_3, metals	Agriculture, livestock farming urbanization	Locally in the coastal zone	-
EL0700220	Skourton-Ag. Thoma	GOOD	GOOD		EC, Cl	Agriculture, urbanization	?	-
EL0700230	Antikiras-Kithairona	GOOD	GOOD			Agriculture, livestock farming urbanization	Locally in the coastal zone (natural)	-
EL0700240	Lichadas	GOOD	GOOD			Agriculture, urbanization	Locally, in part of the coastal zone (natural)	-
EL0700250	Telethriou Orous-Edipsou	GOOD	GOOD			Urbanization livestock farming, WWTP	Locally, in part of the coastal zone	-
EL0700260	Istiaias-Limnis	GOOD	GOOD	Magnesium 110 mg/L	NO_3	Agriculture, livestock farming, urbanization, landfill	Locally, in part of the coastal zone	YES
EL0700270	Vasilikon-Nilea	GOOD	GOOD	Magnesium 90 mg/L		Urbanization	NO	-
EL0700280	Mantoudiou	GOOD	GOOD	Magnesium 70 mg/L		Urbanization	NO	-

Code	WB Name	Quantitate (chemical) status	Qualitative status	Increased ELement values due to natural background	Exceeded quality parameters	Main pressures	Marine penetration	Protected Areas
EL0700290	Dirfyos	GOOD	GOOD			Livestock farming, urbanization	NO	YES
EL0700300	Politikon-Psachnon	POOR	GOOD	Magnesium 80 mg/L	Cl, NO_3, metals	Urbanization livestock farming, WWTP	Locally in the coastal zone	-
EL0700310	Chalkidas-Eretrias	GOOD	GOOD	Magnesium 70 mg/L	Cl	Urbanization, livestock farming, WWTP	Locally in the coastal zone	YES
EL0700320	Vatheias-Xirovouniou	GOOD	GOOD			Livestock farming	NO	-
EL0700330	Setas	GOOD	GOOD			Livestock farming	NO	-
EL0700340	Kymis-Aliveriou	GOOD	GOOD	Magnesium 70 mg/L		Urbanization	NO	YES
EL0700350	Dystou-Notias Evias	GOOD	GOOD		Cl	Agriculture, livestock farming, urbanization, WWTP	Locally, in part of the coastal zone (natural)	YES
EL0700360	Ochis	GOOD	GOOD		Cl	Livestock farming, urbanization, WWTP	Locally, in part of the coastal zone	YES

Code	WB Name	Quantitate (chemical) status	Qualitative status	Increased ELement values due to natural background	Exceeded quality parameters	Main pressures	Marine penetration	Protected Areas
EL0700370	Skyrou	GOOD	GOOD		Cl	Urbanization livestock farming, landfill	Locally, in part of the coastal zone (natural)	-
EL0700380	Skiathou	GOOD	GOOD		EC, Cl, metals	Urbanization, WWTP	Locally, in part of the coastal zone (natural)	-
EL0700390	Skopelou	GOOD	GOOD		metals	Urbanization, landfill, WWTP	Locally, in part of the coastal zone (natural)	-
EL0700400	Alonissou	GOOD	GOOD		Cl	Urbanization, livestock farming, landfill, WWTP	Locally in the coastal zone (natural)	-
EL0700410	Islands Kyra Panagia, Gioura	GOOD	GOOD			-	Locally in the coastal zone (natural)	-



Map 4-5: Qualitative (Chemical) Status of GWB of the WD of Eastern Central Greece (EL07)

Map 4-6: Quantitative Status of the GWB of the WD of Eastern Central Greece (EL07)

The following table shows the differences in the qualitative and quantitative condition of the GWB of Eastern Central Greece RBD (EL07) between the 1st River Basin Management Plan, and its 1st and the 2nd Revision.

Table 4-12: Change in status between the 1st River Basin Management Plan, and its 1st and the 2nd Revision

1st RBMP				1st Revision				2nd Revision			
Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status
EL0700010	Anatolikou Timfristou – Vistritsas- Oitis	GOOD	GOOD	EL0700010	Anatolikou Timfristou – Vistritsas- Oitis	GOOD	GOOD	EL0700010	Anatolikou Timfristou – Vistritsas- Oitis	GOOD	GOOD
EL0700020	Zileutou-Moschokarias	GOOD	GOOD	EL0700020	Zileutou-Moschokarias	GOOD	GOOD	EL0700020	Zileutou-Moschokarias	GOOD	GOOD
EL0700030	Lamias-stylidas	GOOD	GOOD	EL0700030	Lamias-stylidas	GOOD	GOOD	EL0700030	Lamias-stylidas	GOOD	GOOD
EL0700040	Pelasgias	GOOD	GOOD	EL0700040	Pelasgias	GOOD	POOR	EL0700040	Pelasgias	GOOD	GOOD
EL0700050	Spercheiou	POOR	POOR	EL0700051	Spercheiou (a)	POOR	GOOD	EL0700051	Spercheiou (a)	POOR	GOOD
				EL0700052	Spercheiou (b)	GOOD	GOOD	EL0700052	Spercheiou (b)	GOOD	GOOD

1st RBMP				1st Revision				2nd Revision			
Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status
EL0700060	Ypatis-Kallidromou	GOOD	GOOD	EL0700060	Ypatis-Kallidromou	GOOD	GOOD	EL0700060	Ypatis-Kallidromou	GOOD	GOOD
EL0700070	Knimidas	GOOD	GOOD	EL0700070	Knimidas	GOOD	GOOD	EL0700070	Knimidas	GOOD	GOOD
EL0700080	Atalantis	POOR	POOR	EL0700080	Atalantis	GOOD	GOOD	EL0700080	Atalantis	POOR	GOOD
EL0700090	Ano kai Meso Rou Voiotikou Kifisou	GOOD	GOOD	EL0700090	Ano kai Meso Rou Voiotikou Kifisou	GOOD	GOOD	EL0700090	Ano kai Meso Rou Voiotikou Kifisou	GOOD	GOOD
EL0700100	Kalapodiou-Kastrou-Orchomenou-Vasilikon	GOOD	GOOD	EL0700100	Kalapodiou-Kastrou-Orchomenou-Vasilikon	GOOD	GOOD	EL0700100	Kalapodiou-Kastrou-Orchomenou-Vasilikon	GOOD	GOOD
EL0700110	Malesinas	GOOD	GOOD	EL0700110	Malesinas	GOOD	POOR	EL0700110	Malesinas	GOOD	GOOD
EL0700120	Gionas	GOOD	GOOD	EL0700120	Gionas	GOOD	GOOD	EL0700120	Gionas	GOOD	GOOD
EL0700130	Amfissas	POOR	POOR	EL0700130	Amfissas	POOR	POOR	EL0700130	Amfissas	POOR	POOR
EL0700140	Gravias	GOOD	GOOD	EL0700140	Gravias	GOOD	GOOD	EL0700140	Gravias	GOOD	GOOD
EL0700150	Parnassou	GOOD	GOOD	EL0700150	Parnassou	GOOD	GOOD	EL0700150	Parnassou	GOOD	GOOD

1st RBMP				1st Revision				2nd Revision			
Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status
EL0700160	Distomou	GOOD	GOOD	EL0700160	Distomou	GOOD	GOOD	EL0700160	Distomou	GOOD	GOOD
EL0700170	Elikona	GOOD	GOOD	EL0700170	Elikona	GOOD	GOOD	EL0700170	Elikona	GOOD	GOOD
EL0700180	Kato Rou Voiotikou Kifisou	POOR	GOOD	EL0700181	Kato Rou Voiotikou Kifisou (a)	POOR	GOOD	EL0700181	Kato Rou Voiotikou Kifisou (a)	POOR	GOOD
				EL0700182	Kato Rou Voiotikou Kifisou (b)	GOOD	GOOD	EL0700182	Kato Rou Voiotikou Kifisou (b)	GOOD	GOOD
EL0700190	Ylikis-Paralimnis	GOOD	GOOD	EL0700190	Ylikis-Paralimnis	GOOD	GOOD	EL0700190	Ylikis-Paralimnis	GOOD	GOOD
EL0700200	Ypatou	GOOD	GOOD	EL0700200	Ypatou	GOOD	GOOD	EL0700200	Ypatou	GOOD	GOOD
EL0700210	Thivon-Assopou-Schimatariou	POOR	GOOD	EL0700210	Thivon-Assopou-Schimatariou	POOR	GOOD	EL0700211	Thivon-Assopou-Schimatariou (a)	POOR	GOOD
								EL0700212	Thivon-Assopou-Schimatariou (b)	POOR	GOOD

1st RBMP				1st Revision				2nd Revision			
Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status
								EL0700213	Thivon-Assopou-Schimatariou (c)	POOR	GOOD
EL0700220	Skourton-Ag. Thoma	GOOD	GOOD	EL0700220	Skourton-Ag. Thoma	GOOD	GOOD	EL0700220	Skourton-Ag. Thoma	GOOD	GOOD
EL0700230	Antikiras-Kithairona	GOOD	GOOD	EL0700230	Antikiras-Kithairona	GOOD	GOOD	EL0700230	Antikiras-Kithairona	GOOD	GOOD
EL0700240	Lichadas	GOOD	GOOD	EL0700240	Lichadas	GOOD	GOOD	EL0700240	Lichadas	GOOD	GOOD
EL0700250	Telethriou Orous- Edipsou	GOOD	GOOD	EL0700250	Telethriou Orous-Edipsou	GOOD	POOR	EL0700250	Telethriou Orous- Edipsou	GOOD	GOOD
EL0700260	Istiaias-Limnis	GOOD	GOOD	EL0700260	Istiaias-Limnis	GOOD	GOOD	EL0700260	Istiaias-Limnis	GOOD	GOOD
EL0700270	Vasilikon-Nilea	GOOD	GOOD	EL0700270	Vasilikon-Nilea	GOOD	GOOD	EL0700270	Vasilikon-Nilea	GOOD	GOOD
EL0700280	Mantoudiou	GOOD	GOOD	EL0700280	Mantoudiou	GOOD	GOOD	EL0700280	Mantoudiou	GOOD	GOOD
EL0700290	Dirfyos	GOOD	GOOD	EL0700290	Dirfyos	GOOD	GOOD	EL0700290	Dirfyos	GOOD	GOOD

1st RBMP				1st Revision				2nd Revision			
Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status
EL0700300	Politikon-Psachnon	GOOD	GOOD	EL0700300	Politikon-Psachnon	POOR	GOOD	EL0700300	Politikon-Psachnon	POOR	GOOD
EL0700310	Chalkidas-Eretrias	GOOD	GOOD	EL0700310	Chalkidas-Eretrias	GOOD	GOOD	EL0700310	Chalkidas-Eretrias	GOOD	GOOD
EL0700320	Vatheias-Xirovouniou	GOOD	GOOD	EL0700320	Vatheias-Xirovouniou	GOOD	POOR	EL0700320	Vatheias-Xirovouniou	GOOD	GOOD
EL0700330	Setas	GOOD	GOOD	EL0700330	Setas	GOOD	GOOD	EL0700330	Setas	GOOD	GOOD
EL0700340	Kymis-Aliveriou	GOOD	GOOD	EL0700340	Kymis-Aliveriou	GOOD	GOOD	EL0700340	Kymis-Aliveriou	GOOD	GOOD
EL0700350	Dystou-Notias Evias	GOOD	GOOD	EL0700350	Dystou-Notias Evias	GOOD	GOOD	EL0700350	Dystou-Notias Evias	GOOD	GOOD
EL0700360	Ochis	GOOD	GOOD	EL0700360	Ochis	GOOD	GOOD	EL0700360	Ochis	GOOD	GOOD
EL0700370	Northern Skyros	GOOD	GOOD	EL0700370	Skyros	GOOD	GOOD	EL0700370	Skyros	GOOD	GOOD
EL0700380	Southen Skyros	GOOD	GOOD			GOOD	GOOD			GOOD	GOOD
EL0700390	Northen Skiathos	GOOD	GOOD	EL0700380	Skiathos	GOOD	GOOD	EL0700380	Skiathos	GOOD	GOOD

1st RBMP				1st Revision				2nd Revision			
Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status	Code	Name	Quantitative status	Qualitative status
EL0700400	Southen Skiathos	GOOD	GOOD			GOOD	GOOD			GOOD	GOOD
EL0700410	Glossa Skopelou	GOOD	GOOD	EL0700390	Skopelos	GOOD	GOOD	EL0700390	Skopelos	GOOD	GOOD
EL0700420	Eliou Skopelou	GOOD	GOOD			GOOD	GOOD			GOOD	GOOD
EL0700430	Alonissou	GOOD	GOOD	EL0700400	Alonissos	GOOD	GOOD	EL0700400	Alonissos	GOOD	GOOD
EL0700440	Peristera Nissos	GOOD	GOOD	EL0700410	Islands Kyra Panagia, Gioura	GOOD	GOOD	EL0700410	Islands Kyra Panagia, Gioura	GOOD	GOOD
EL0700450	Kyra Panagia Nissos	GOOD	GOOD								
EL0700460	Giouras Nissos	GOOD	GOOD			GOOD	GOOD			GOOD	GOOD

4.3 HEAVILY MODIFIED WATER BODIES (HMWB) AND ARTIFICIAL WATER BODIES (AWB)

In summary, during the present 2nd RBMP Revision, the same methodology as the 2nd Administrative Cycle was applied with the following improvements:

1. Data collected for projects built after 2015 and/or to be built by 2027

2. All surface water systems (SWS) were examined and all projects/uses were recorded, per criteria in a geographic information system (GIS) so that their subsequent geographic comparison with future projects was possible

3. Following a change in the EU directives, the HMWBs resulting from the construction of dams (inland reservoirs) are identified as river HMWBs of the lake type

4. The recent results of the EDP were taken into account for the final determination of the HMWB

In the context of the 2nd Revision, Special Measures are proposed to achieve the Good Ecological Potential of HMWB defined in the 2nd Revision (Deliverable Special measures to achieve the good ecological potential in HMWB) so that they can be considered in the context of the Program of Measures of the 2nd Revision.

Following the application of the HMWB and AWB determination methodology, **1 particularly modified and 5 artificial water bodies** were found in the RBD of Eastern Central Greece (EL07) out of the total of 104 surface water bodies.

The following tables list the water bodies that were definitively characterized as highly modified and artificial by river basin of the RBD of Eastern Central Greece (EL07).

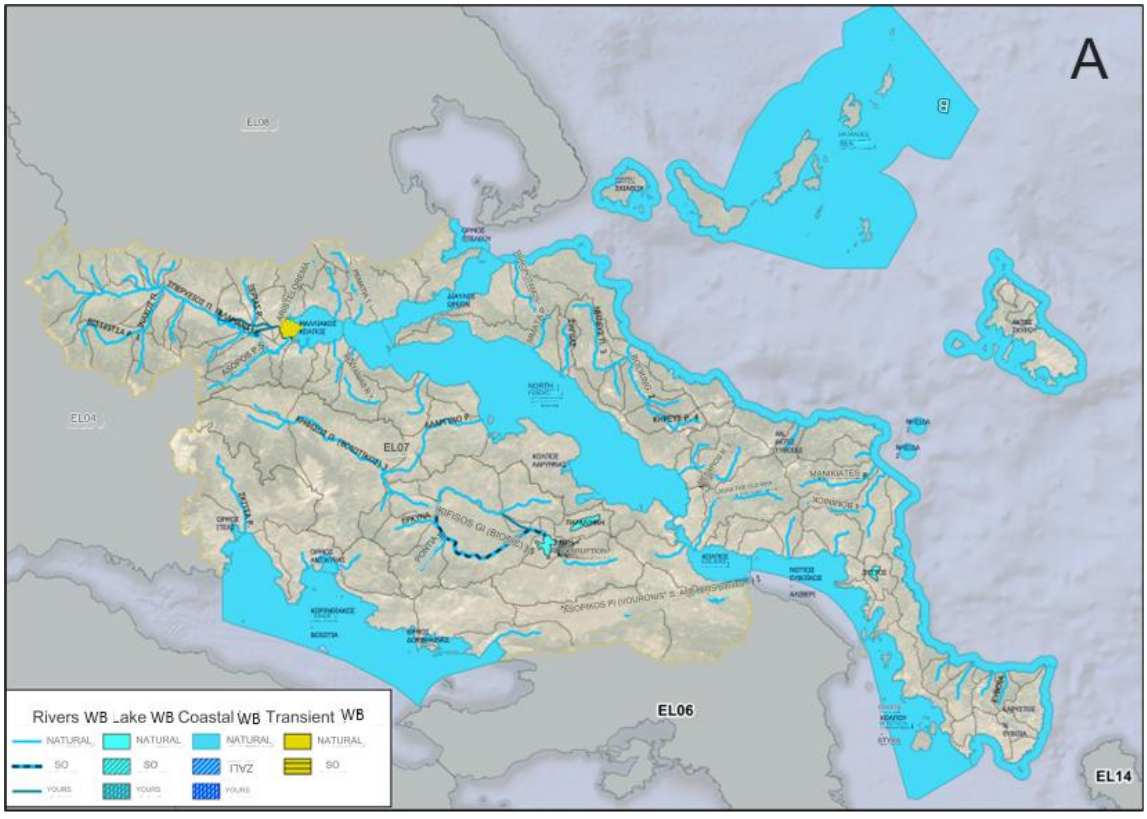
Table 4-13: Heavily Modified Rivers WB in the RBD of Eastern Central Greece (EL07)

HMWB code	Name	Type	Length (km)	Area (km2)	Designated Water Use
RB of Voiotikou- Kifissou (EL0723)					
EL0723R000000031H	KIFISSOS R. (VOIOTIKOU) 5	R-M3	37,82	360,0	Drainage, Irrigation

Table 4-14: Artificial Riwer WB in the RBD of Eastern Central Greece (EL07)

HMWB code	Name	Type	Length (km)	Area (km2)	Designated Water Use
RB Spercheios (EL0718)					
EL0718R000204054A	TAFROS LAMIAS 1	R-M2	4,57	8,2	Flood protection Delta Spercheiou, recipient of treated effluents

HMWB code	Name	Type	Length (km)	Area (km2)	Designated Water Use
EL0718R000204056A	TAFROS LAMIAS 2	R-M1	10,83	54,0	Flood protection Delta Spercheiou, recipient of treated effluents
EL0718R000204053A	SPERCHEIOS R. (ALAMANA) 3	R-M4	2,31	59,4	Flood protection Delta Spercheiou, urbanization
EL0718R000204057A	SPERCHEIOS R. (ALAMANA) 4	R-M1	4,96	7,7	Flood protection Delta Spercheiou, urbanization
RB Voiotikou Kifisou (EL0723)					
EL0723R000002032A	MELAS R. 3 (MAVROPOTAMOS)	R-M2	7,98	14,27	Drainage, Irrigation



Map 4-7: Heavily Modified and Artificial Water Systems in the RBD of Eastern Central Greece (EL07)

4.4 PROTECTED AREAS

The Register of Protected Areas includes, in accordance with Annex V of PD 51/2007, all the following types of areas:

a. Areas intended for the abstraction of water for human consumption, in accordance with Article 7 of PD 51/2007 (Article 7 of Directive 2000/60/EC),

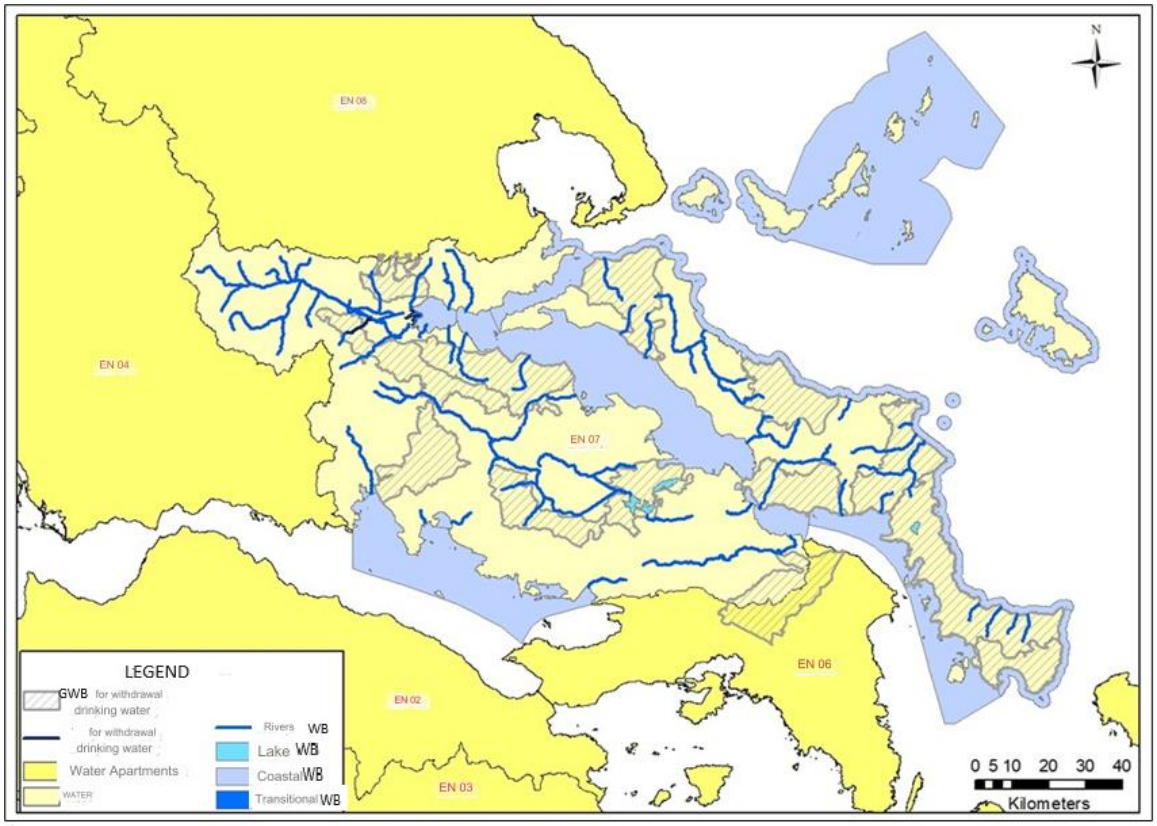
b. Areas intended for the protection of aquatic species of economic importance,

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

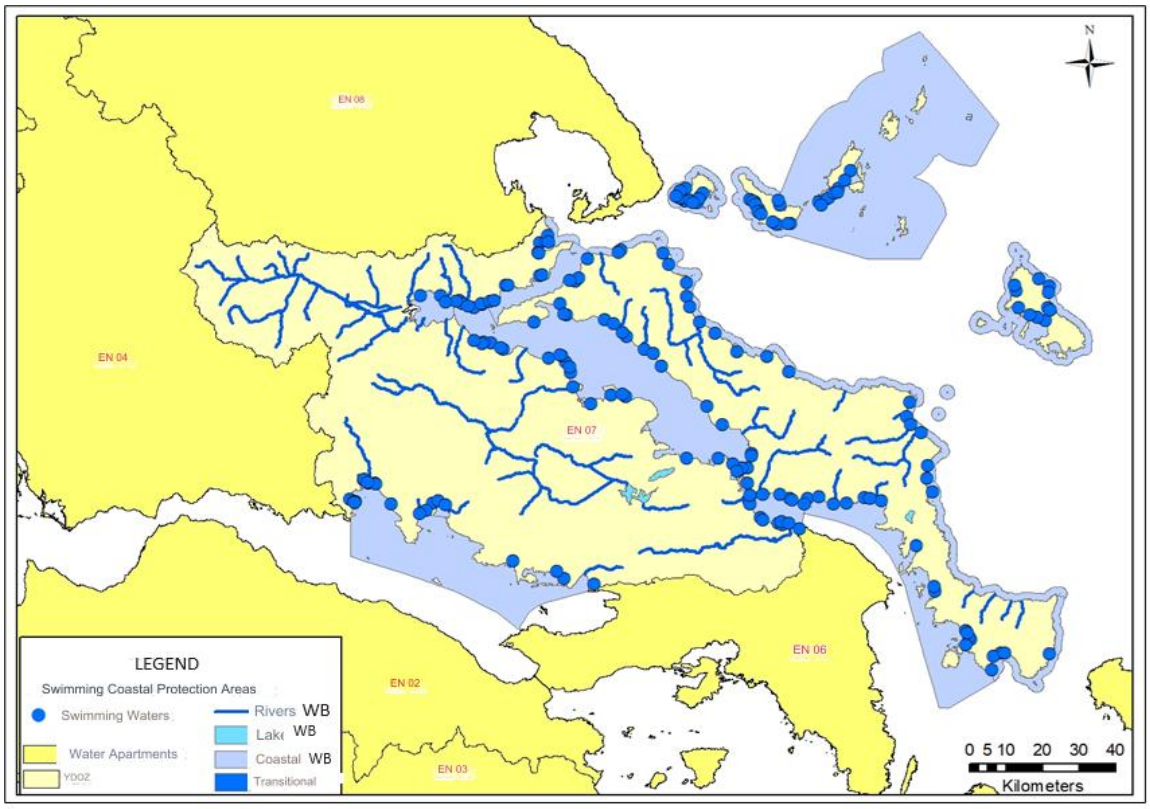
d. Areas sensitive to the presence of nutrients, including areas designated as vulnerable zones, and areas designated as sensitive,

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

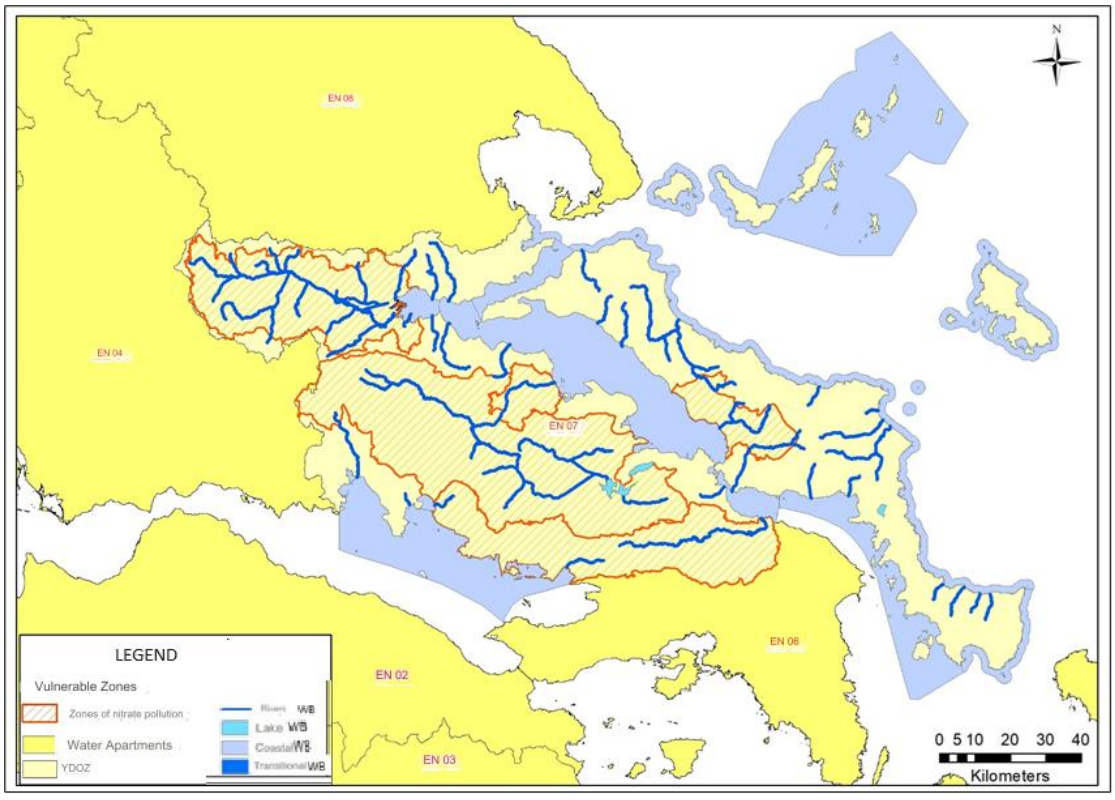
Below are presented on maps the regions of the RPA by category.



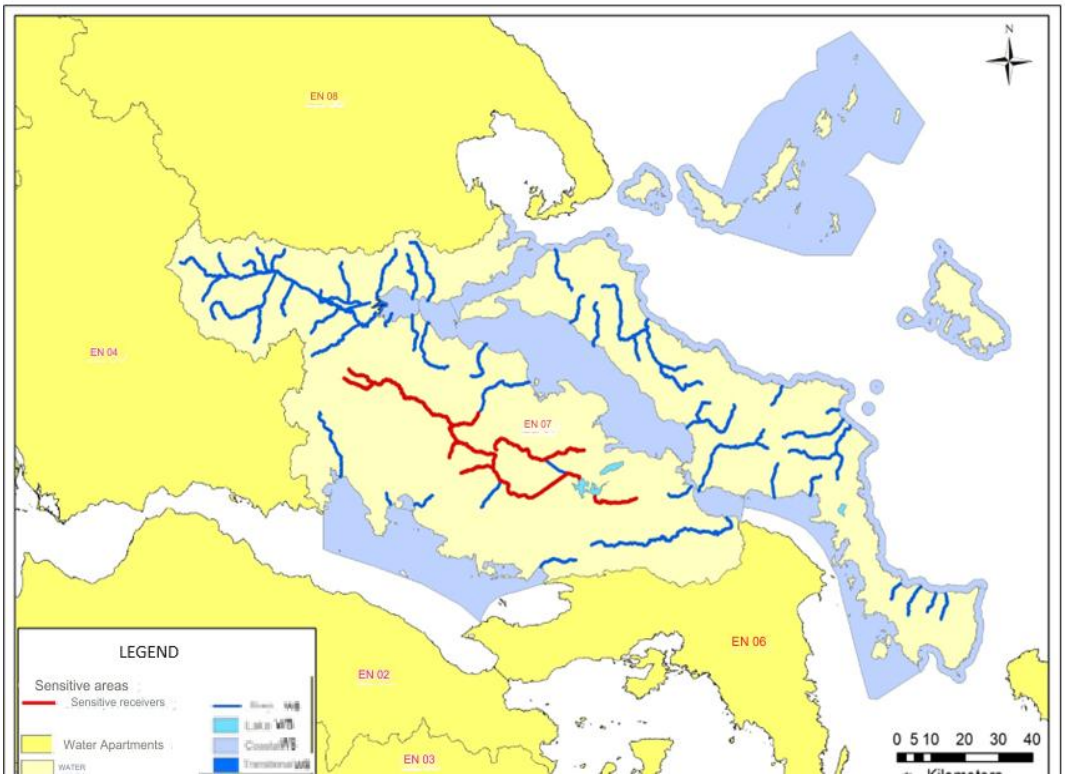
Map 4-8: Protected areas of drinking water of the RBD of Eastern Central Greece (EL07)



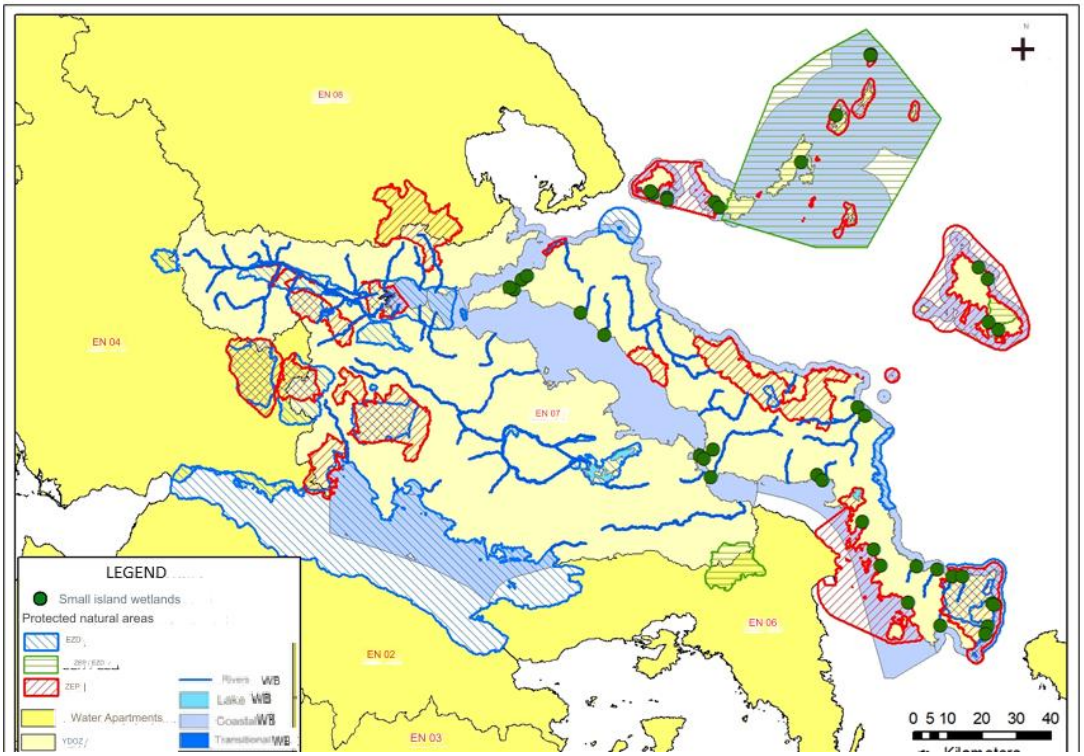
Map 4-9: Established Bathing Waters of the RBD of Eastern Central Greece (EL07)



Map 4-10: Established Vulnerable Zones of the RBD of Eastern Central Greece (EL07)



Map 4-11: Sensitive areas of the RBD of Eastern Central Greece (EL07)



Map 4-12: Protected natural areas of the Natura network and small island wetlands of the RBD of Eastern Central Greece (EL07)

5 PRESSURES AND IMPACTS

5.1 POINT SOURCES OF POLLUTION

All point sources of pollution that produce conventional pollutants (BOD, N, P) and have been examined in the Analytical Documentation Text- Analysis of anthropogenic pressures and their effects on surface and groundwater systems, are included in this section. The list with the categories of these pressures includes: Sewage Treatment Facilities (WTP), Drainage network discharge into a natural receiver, Large hotel units, Industrial units, Livestock units, Aquaculture - Fish farms, Spills from landfills.

The final annual amounts of BOD, N and P pollutant loads produced in the study area are derived from the above individual pollution sources.

Table 5-1: Total annual loads of BOD, N and P that are produced from point sources of pollution in the Eastern Central Greece WB (EL07)

Point Sources of Pollution	BOD (tn/year)	N (tn/year)	P (tn/year)
Industrial Units	185,79	246,19	69,95
Livestock facilities	379,44	565,65	74,02
Waste disposal sites	0,00	0,00	0,00
Waste Water Treatment Plants (WWTP),	654,34	502,64	65,84
Networks that do not end in WWTP	1.529,78	314,48	62,39
Aquaculture- Fish farming	133,00	11.088,68	1.509,49
TOTAL	**2.882,35**	**12.717,64**	**1.781,69**
Total in surface WB	2.434,60	12087,4127	1689,768
Total in the ground WB	447,75	630,23	91,92

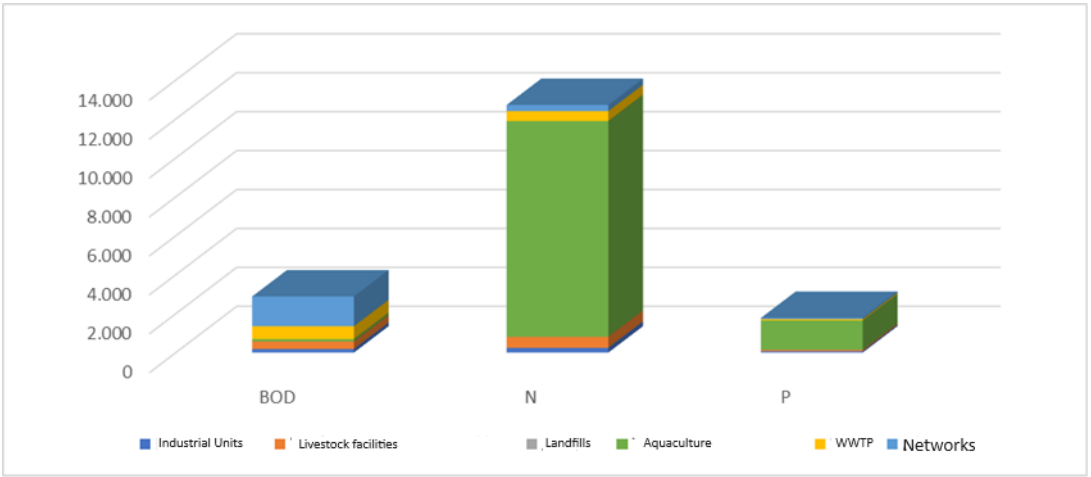


Figure 5-1: Total annual loads of BOD, N and P that are produced from point sources of pollution in the Eastern Central Greece WB (EL07)

5.2 DIFFUSED SOURCES OF POLLUTION

Diffuse sources of pollution include all sources of nutrients (BOD, N, P). The list of these pressures includes: Agriculture, Discharges not connected to sewerage network/WWTP, Farming as well as the abandoned industrial or other facilities and other diffuse sources of pollution due to atmospheric deposits as well as from natural land uses such as pastures and forests, urban areas, roads-water etc.

From the above diffuse sources of pollution derives the annual load of BOD, N and P produced that end up in the water bodies of the study area.

Table 5-2: Total annual loads of BOD, N and P that are produced from Diffuse sources of pollution in the WB of Eastern Central Greece (EL07)

Diffuse Pressures	Annual BOD (tn/year)	Annual N (tn/year)	Annual P (tn/year)
URBAN	2940,07	840,02	175,00
AELICULTURAL	0	1240,85	143,23
FARMING	85,36	76,82	4,6
OTHER SOURCES	0	19,7	0,11
TOTAL	**3.025,43**	**2.177,39**	**322,94**
Total in surface WB	2.554,58	657,2197	163,7218
Total in the ground WB	470,85	1.520,17	159,22

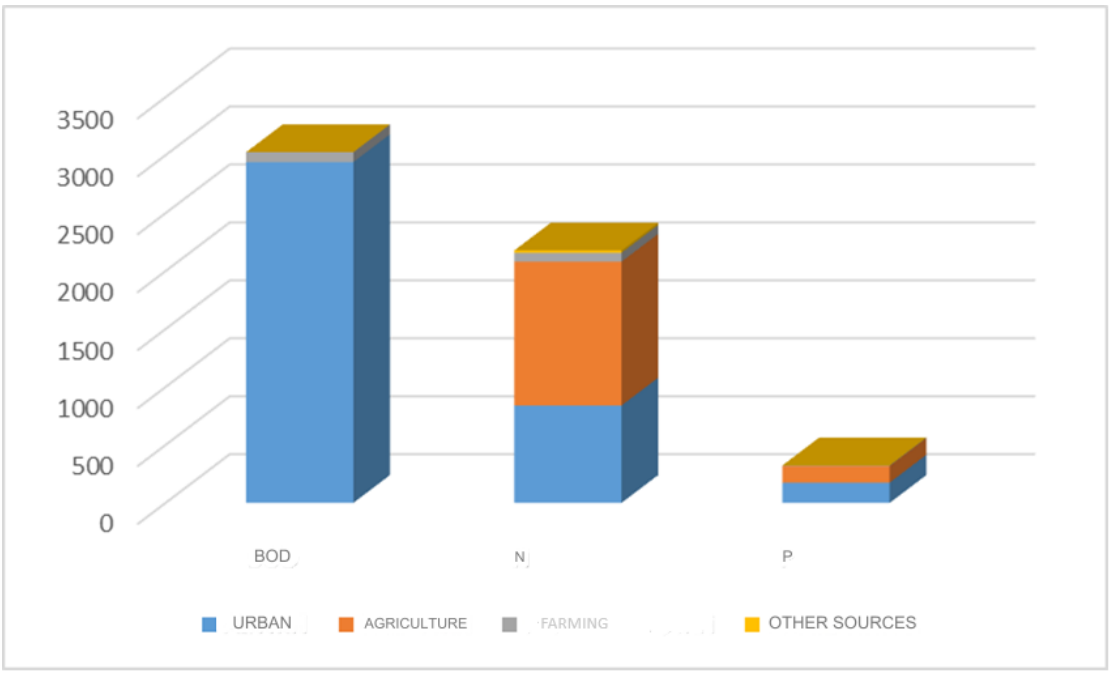


Figure 5-2: Total annual loads of BOD, N and P that are produced from Diffuse sources of pollution Eastern Central Greece RBD (EL07)

5.3 HYDROMORPHOLOGICAL PRESSURES

Below is presented the assessment of the importance of the pressures due to hydromorphological changes that the surface water bodies of the Eastern Central Greece RBD (EL07) receive.

Table 5-3: Assessment of pressures on the hydromorphological characteristics of the WB of the Eastern Central Greece RBD (EL07)

WB Name	WB Code	Type	Significance of Hydromorphological Pressures	Pressure Intensity
ALARGINO S.	EL0722R000700048N	River	Good	Good
ARCHANIOREMMA	EL0718R000212066N	River	Good	Good
ASOPOS R. 1	EL0718R000202051N	River	Good	Good
ASOPOS R. 2	EL0718R000202052N	River	Unassigned	Good
ASOPOS R. (VOURIENIS) 1	EL0725R000200025N	River	Good	Good
ASOPOS R. (VOURIENIS) 2	EL0725R000200026N	River	Good	Good
VATHYREMMA	EL0723R000008038N	River	Moderate	Moderate
VISTRITSA S. 1	EL0718R000904082N	River	Good	Good
VISTRITSA S. 2	EL0718R000904083N	River	Unassigned	Good
GLAFKOS S.	EL0719R001100016N	River	Good	Good
GORGOPOTAMOS 1	EL0718R000206059N	River	Moderate	Moderate
GORGOPOTAMOS 2	EL0718R000206060N	River	Unassigned	Good
DEMATA S.	EL0719R002500023N	River	Good	Good
DRISTELOREMMA	EL0718R000100071N	River	Good	Good
ERKYNA	EL0723R000006036N	River	Moderate	Moderate
EVIA	EL0719R001700019N	River	Good	Good
INACHOS S.	EL0718R000900079N	River	Poor	High
KALAMITIS S.	EL0723R000014043N	River	Moderate	Moderate
KASTALIAS S.	EL0719R001900020N	River	Good	Good
KATAFYGI S.	EL0724R000300030N	River	Good	Good
KIREFS S. 1- VOUDOROS	EL0719R000200001N	River	Unassigned	Good
KIREFS S. 2	EL0719R000200002N	River	Good	Good
KIREFS S. 3 – GERORREMA S.	EL0719R000202003N	River	Unassigned	Good
KIREFS S. 4	EL0719R000200004N	River	Good	Good
KIFISOS R. (VOIOTIKOS) 1 – KANIANITIS S.	EL0723R000000042N	River	Good	Good

WB Name	WB Code	Type	Significance of Hydromorphological Pressures	Pressure Intensity
KIFISOS R. (VOIOTIKOS) 2 – APOSTOLIAS S.	EL0723R000012041N	River	Good	Good
KIFISOS R. (VOIOTIKOS) 3	EL0723R000000040N	River	Good	Good
KIFISOS R. (VOIOTIKOS) 4	EL0723R000000037N	River	Good	Good
KIFISOS R. (VOIOTIKOS) 5	EL0723R000000031H	River	High	High
KLEISOURAS S.	EL0725R000300028N	River	Moderate	Moderate
KRANIOREMMA 1	EL0718R000900080N	River	Unassigned	Good
KRANIOREMMA 2	EL0718R000902081N	River	Unassigned	Good
KRITHAROREMMA 1	EL0718R000208062N	River	Good	Good
KRITHAROREMMA 2	EL0718R000208063N	River	Unassigned	Good
LAMARIS S.	EL0719R000300012N	River	Good	Good
LATZOREMMA	EL0718R000700078N	River	Unassigned	Good
LIDAS R. XERIAS	EL0719R000400008N	River	Good	Good
LIVADOSTRAS S. (STRAVOPOTAMOS)	EL0725R000100027N	River	Good	Good
MANIKIATIS S.	EL0719R000700014N	River	Good	Good
MARATHOREMMA	EL0718R000210065N	River	Good	Good
MEGALO REMA	EL0719R001300017N	River	Good	Good
MELAS R. 1 (MAVROPOTAMOS)	EL0723R000002034N	River	Poor	High
MELAS R. 2 (MAVROPOTAMOS)	EL0723R000002033N	River	Moderate	Moderate
DYSTOS	EL0719L000000002N	Lake	Poor	High
MELAS S.	EL0719R000500013N	River	Good	Good
MESAPIOS S. 1	EL0719R000100009N	River	Moderate	Moderate
MESAPIOS S. 2 – MAKYMALIS S.	EL0719R000100010N	River	Good	Good
MESAPIOS S. 3	EL0719R000100011N	River	Good	Good
MPOGDANOREMMA	EL0723R000010039N	River	Good	Good
NILEFS R. 1	EL0719R000204005N	River	Good	Good
NILEFS R. 2- MAKRYREMMA	EL0719R000204006N	River	Good	Good
NILEFS R. 3	EL0719R000204007N	River	Good	Good

WB Name	WB Code	Type	Significance of Hydromorphological Pressures	Pressure Intensity
XERIAS S.	EL0722R000500047N	River	Good	Good
XERIAS S.	EL0718R000204055N	River	Good	Good
XIROPOTAMOS	EL0719R002700024N	River	Good	Good
PLATANIAS S.	EL0722R000300046N	River	Good	Good
PONTZA S.	EL0723R000004035N	River	Good	Good
PORFYRAS S.	EL0719R001500018N	River	Good	Good
REMATIA 1	EL0718R000500075N	River	Good	Good
REMATIA 2	EL0718R000500076N	River	Unassigned	Good
RITSONAS S.	EL0723R000100044N	River	Good	Good
SAPOUNORREMA 1	EL0718R000300072N	River	Moderate	Moderate
SAPOUNORREMA 2	EL0718R000300073N	River	Unassigned	Good
SARANTAPOTAMOS	EL0719R002100021N	River	Moderate	Moderate
SIPIAS	EL0719R002300022N	River	Unassigned	Good
SKITSA S	EL0724R000100029N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 1	EL0718R000200049N	River	Unassigned	Good
SPERCHEIOS R. (ALAMANA) 10	EL0718R000218069N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 2	EL0718R000200050N	River	Good	Good
DELTA SPERCHEIOS	EL0718T0001N	Transitional	Poor	High
MELAS R. 3 (MAVROPOTAMOS)	EL0723R000002032A	River	AWB	AWB
SPERCHEIOS R. (ALAMANA) 5	EL0718R000200058N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 6	EL0718R000200061N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 7	EL0718R000200064N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 8 – VITOLIOTIS S.	EL0718R000216068N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 9 – ROYSTIANITIS S.	EL0718R000200070N	River	Good	Good
SPERCHEIOS R. (ALAMANA) 3	EL0718R000204053A	River	AWB	AWB
SPERCHEIOS R. (ALAMANA) 4	EL0718R000204057A	River	AWB	AWB
TRANI SOYDA	EL0722R000100045N	River	Good	Good

WB Name	WB Code	Type	Significance of Hydromorphological Pressures	Pressure Intensity
FYSINAS S.	EL0718R000214067N	River	Good	Good
CHONDROS S.	EL0719R000900015N	River	Unassigned	Good
PARALIMNI	EL0723L000000001N	Lake	Good	Good
TAFROS LAMIAS 1	EL0718R000204054A	River	AWB	AWB
YLIKI	EL0723L000000003N	Lake	Good	Good
ORMOS PTELEOU	EL0718C0004N	Coastal	Unassigned	Good
DIAVLOS OREON	EL0718C0005N	Coastal	Unassigned	Good
MALLIAKOS KOLPOS	EL0718C0007N	Coastal	Unassigned	Good
VOREIOS EVVOIKOS KOLPOS	EL0719C0006N	Coastal	Good	Good
AN. AKTES EVIAS	EL0719C0008N	Coastal	Unassigned	Good
NISIDA 1	EL0719C0009N	Coastal	Unassigned	Good
NISIDA 2	EL0719C0010N	Coastal	Unassigned	Good
NOTIOS EVVOIKOS- ALIVERI	EL0719C0013N	Coastal	Good	Good
AKTES KOLPOU PETALION- STYRA	EL0719C0014N	Coastal	Unassigned	Good
KARYSTOS- N. EVIA	EL0719C0015N	Coastal	Unassigned	Good
KOLPOS LARYMNAS	EL0722C0011N	Coastal	Moderate	Moderate
KOLPOS AVLIDAS	EL0723C0012N	Coastal	Good	Good
ORMOS ITEAS	EL0724C0016N	Coastal	Moderate	Moderate
ORMOS ANTIKYRAS	EL0724C0017N	Coastal	Good	Good
ORMOS DOMVRAINAS	EL0725C0018N	Coastal	Unassigned	Good
KORINTHIAKOS KOLPOS - VOIOTIA	EL0725C0019N	Coastal	Unassigned	Good
AKTES SKIATHOU	EL0735C0001N	Coastal	Unassigned	Good
TSALASSA SPORADON	EL0735C0002N	Coastal	Unassigned	Good
AKTES SKYROU	EL0735C0003N	Coastal	Unassigned	Good
TAFROS LAMIA 2	EL0718R000204056A	River	AWB	AWB

5.4 WATER ABSTRACTIONS

This section includes data on the total annual water abstractions for all activities and uses. The list of categories of activities and uses examined includes: Water supply, Irrigation, farming, Industrial water and other water needs and abstractions.

Below are presented the distribution of water withdrawals for the different uses within the Eastern Central Greece Region (EL07) as well as the annual water withdrawals per use and per River Basin. The total available quantities to meet the needs of water supply, irrigation, livestock and industry within EL07 are estimated at a total of 880,832,011 m^3, of which the largest volume concerns irrigation (89.84%). This is followed by water supply with a percentage of 5.41%, industry with a percentage of 4.19% and finally livestock with a percentage of 0.56%.

Table 5-4: Total water abstractions for all uses and activities in the RBD of Eastern Basin District (EL07), (m^3/year)

Water Abstractions (m^3 / year)	RB Code							EL07
	EL0718	EL0719	EL0722	EL0723	EL0724	EL0725	EL0735	
Water Supply	10.278.951	22.092.727	3.566.499	11.909.642	220.998	1.517.922	2.619.420	**52.206.159**
Irrigation	242.101.359	42.793.685	63.494.764	368.482.922	10.872.078	57.526.406	1.753.275	**787.024.488**
Livestock farming	544.138	1.646.927	311.001	442.138	210.845	1.644.295	138.462	**4.937.805**
Industry	4.530.479	5.598.769	847.690	17.363.887	3.868.686	4.452.956	1.090	**36.663.558**
TOTAL WATER ABSTRACTIONS IN THE EL07	**257.454.927**	**72.132.108**	**68.219.954**	**398.198.590**	**15.172.607**	**65.141.579**	**4.512.247**	880.832.011
Water Abstractions out of ELL07				**6.841.842**	**3.090.072**	**7.971.506**		17.903.420
Total Water Abstractions covering the demands	**257.454.927**	**72.132.108**	**68.219.954**	**405.040.432**	**18.262.679**	**73.113.085**	**4.512.247**	898.735.431

5.5 OTHER PRESSURES

Other pressures considered in the context of the 2nd Revision include runoff from extractive activities (mines), desalination plants, ports - marinas - shipping, artificial enrichment of groundwater and change in groundwater level and quantity of groundwater due to underground mining or construction of large undergrounds projects.

5.6 IMPACT ASSESSMENT

5.6.1 Impacts assessment on Surface Water Bodies

Pressures Impact assessment and WB designation is based on the likelihood of failing to meet the WFD environmental objectives, taking in consideration the following information:

- The magnitude of pressure from emissions and abstractions : High (H), Moderate (M), Low (L)
- Available data and Monitoring program results
- Expert judgement, when no data is available

From 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 in the following table.

Table 5-5: Risk assessment of SWB failing to meet the WFD objectives in RBD of Eastern Central Greece (EL07)

	Risk Assessment Categories *								
	NR		PNR		PAR		AR		Total
WB Type	Number of WB	Percentage of WB (%)	Number of WB	Percentage of WB (%)	Number of WB	Percentage of WB (%)	Number of WB	Percentage of WB (%)	Number of WB
River WB	29	35.80%	20	24.69%	15	18.52%	17	20.99%	81
Lake and Reservoirs WB	0	0.00%	2	66.67%	0	0.00%	1	33.33%	3
Transitional WB	0	0.00%	1	100.00%	0	0.00%	0	0.00%	1
Coastal WB	9	47.37%	6	31.58%	0	0.00%	4	21.05%	19
Total	**38**	**36.54%**	**29**	**27.88%**	**15**	**14.42%**	**22**	**21.15%**	**104**

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

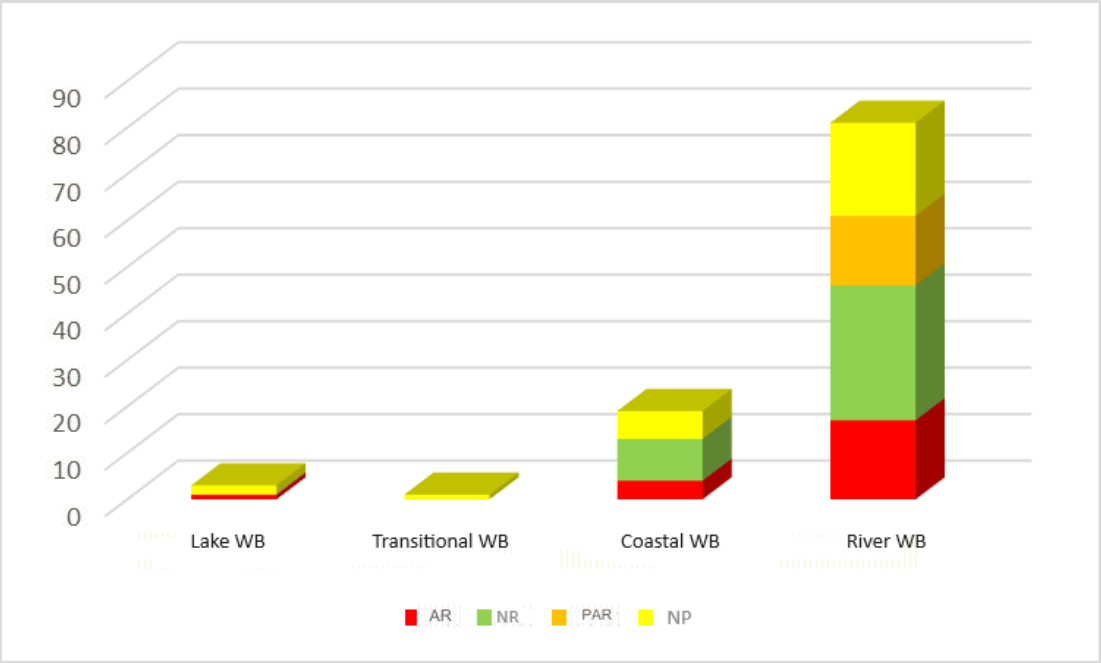


Figure 5-3: Risk assessment of SWB failing to meet the WFD objectives in RBD of Eastern Central Greece (EL07)

5.6.2 Impacts assessment on Groundwater Bodies

Sources of pollution such as agriculture, animal husbandry and municipal waste are potential pressures on groundwater resources. According to the analysis carried out to quantify the pressures exerted on the surface waters, it appears that a part of the pollutant loads produced by the respective activities are inflows with the recipient being the subsoil.

As an element for quantifying the pollution that ends up in the groundwater from the above-mentioned pressures, only the database file of changes in the quality (chemical) state of the groundwater at specific monitoring locations (monitoring network) is available. Main parameters responding to the existing databases are the concentrations of nitrate, ammonia ions, chloride, conductivity and trace elements.

Table 5-6: Table of qualitative and quantitative status of groundwater bodies of the RBD of Eastern Central Greece (EL07)

No	Code	Name	Quantitative status	Decline water levels Trend	Chemical status	Pollutant Trend	Exceeded quality parameters
1	EL0700010	Anatolikou Timfristou – Vistritsas- Oitis	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	-
2	EL0700020	Zileutou-Moschokarias	GOOD	NO	GOOD	Not specified, in the absence of data	-
3	EL0700030	Lamias-stylidas	GOOD	At the point EL07030703	GOOD	Not specified, in the absence of data	-
4	EL0700040	Pelasgias	GOOD	In all points	GOOD	Not recorded	NO
5	EL0700051	Spercheiou (a)	GOOD	NO	POOR	High downward trend in NO3 at the point EL07050702	NO_3, metals
6	EL0700052	Spercheiou (b)	GOOD	Different level of groundwater variation in the, with a prevailing trend of falling water levels	GOOD	Not recorded	NO
7	EL0700060	Ypatis-Kallidromou	GOOD	In all points	GOOD	Not recorded	NO
8	EL0700070	Knimidas	GOOD	At the points EL07070703 and EL07070704	GOOD	Exceedances in Cl and EC are recorded in the coastal zone of the system	EC, Cl, metals

No	Code	Name	Quantitative status	Decline water levels Trend	Chemical status	Pollutant Trend	Exceeded quality parameters
						and at the borders with the neighboring GWB.	
9	EL0700080	Atalantis	GOOD	At the points EL07080703, EL07100721, EL07080702 and EL07100722	POOR	Not diagnosed exceedances recorded of NO3 at 4 out of 5 monitoring points for the current management period.	NO_3
10	EL0700090	Ano kai Meso Rou Voiotikou Kifisou	GOOD	NO	GOOD	Not diagnosed, excesses are patchy and at specific point.	NO_3, metals
11	EL0700100	Kalapodiou- Kastrou-Orchomenou-Vasilikon	GOOD	At 10 out of 15 points	GOOD	Not diagnosed, excesses are patchy and at specific point.	NO_3, metals
12	EL0700110	Malesinas	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	EC, Cl, SO_4
13	EL0700120	Gionas	GOOD	In all points	GOOD	Not specified, in the absence of data	EC, Cl, SO_4
14	EL0700130	Amfissas	POOR	At the point EL07130702	POOR	High downward trend in Cl at the point EL07130702	EC, Cl, SO_4 metals

No	Code	Name	Quantitative status	Decline water levels Trend	Chemical status	Pollutant Trend	Exceeded quality parameters
15	EL0700140	Gravias	GOOD	In all points	GOOD	Not specified, in the absence of data	
16	EL0700150	Parnassou	GOOD	In all points	GOOD	Not specified, in the absence of data	EC, Cl, metals
17	EL0700160	Distomou	GOOD	At the point EL07160701	GOOD	Not specified, in the absence of data	-
18	EL0700170	Elikona	GOOD	At 3 out of 5 points	GOOD	Not recorded	NO
19	EL0700181	Kato Rou Voiotikou Kifisou (a)	GOOD	In all points	POOR	Not recorded	NO_3, metals
20	EL0700182	Kato Rou Voiotikou Kifisou (b)	GOOD	In all points	GOOD	Not diagnosed, due to the limited number and the distribution of the points in combination with the extent of the GWB, these signs do not characterize its entirety	NO_3, metals
21	EL0700190	Ylikis-Paralimnis	GOOD	At 2 out of 9 points	GOOD	Not recorded	metals
22	EL0700200	Ypatou	GOOD	At 4 out of 8 points	GOOD	Not recorded	NO
23	EL0700211	Thivon-Assopou-Schimatariou (a)	GOOD	At 3 out of 5 points	POOR	Not recorded	NO_3

No	Code	Name	Quantitative status	Decline water levels Trend	Chemical status	Pollutant Trend	Exceeded quality parameters
24	EL0700212	Thivon-Assopou-Schimatariou (b)	GOOD	At 5 out of 10 points	POOR	High downward trend in NO3 at the point EL07130743	NO_3, metals
25	EL0700213	Thivon-Assopou-Schimatariou (c)	GOOD	At 5 out of 13 points	POOR	Not recorded	EC, Cl, NO_3, metals
26	EL0700220	Skourton-Ag. Thoma	GOOD	In all points	GOOD	Not specified, in the absence of data	EC, Cl
27	EL0700230	Antikiras-Kithairona	GOOD	Slight retreat at the only point	GOOD	Not specified, in the absence of data	-
28	EL0700240	Lichadas	GOOD	Slight retreat at the only point	GOOD	Not specified, in the absence of data	-
29	EL0700250	Telethriou Orous-Edipsou	GOOD	At 1 out of 2 points	GOOD	Not recorded	NO
30	EL0700260	Istiaias-Limnis	GOOD	At 1 out of 4 points	GOOD	Not diagnosed because the exceedance of NO3 was recorded at one point and it is limited to a period of 3 years	NO_3
31	EL0700270	Vasilikon-Nilea	GOOD	NO	GOOD	Not recorded	NO
32	EL0700280	Mantoudiou	GOOD	At 2 out of 4 points	GOOD	Not recorded	NO

No	Code	Name	Quantitative status	Decline water levels Trend	Chemical status	Pollutant Trend	Exceeded quality parameters
33	EL0700290	Dirfyos	GOOD	At 3 out of 5 points	GOOD	Not recorded	NO
34	EL0700300	Politikon-Psachnon	GOOD	At 4 out of 7 points	POOR	High increasing trend in NO3 at the point EL07300701	Cl, NO_3, metals
35	EL0700310	Chalkidas-Eretrias	GOOD	At 6 out of 8 points	GOOD	Not specified, in the absence of data	Cl
36	EL0700320	Vatheias- Xirovouniou	GOOD	NO	GOOD	Not specified, in the absence of data	-
37	EL0700330	Setas	GOOD	At the only point (source)	GOOD	Not recorded	NO
38	EL0700340	Kymis-Aliveriou	GOOD	At 3 out of 4 points	GOOD	Not recorded	NO
39	EL0700350	Dystou-Notias Evias	GOOD	NO	GOOD	Not specified, in the absence of data	Cl
40	EL0700360	Ochis	GOOD	At 5 out of 6 points	GOOD	Not diagnosed because the points do not characterize the whole state of the system	Cl
41	EL0700370	Skyrou	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	Cl

No	Code	Name	Quantitative status	Decline water levels Trend	Chemical status	Pollutant Trend	Exceeded quality parameters
42	EL0700380	Skiathou	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	EC, Cl, metals
43	EL0700390	Skopelou	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	metals
44	EL0700400	Alonissou	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	Cl
45	EL0700410	Islands Kyra Panagia, Gioura	GOOD	Not specified, in the absence of data	GOOD	Not specified, in the absence of data	-

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 FINANCIAL COST

The total financial cost of water supply / drainage in the Eastern Central Greece Water District (EL07) (not including the cost of private wells) amounts to €61,180,642.

The recovery of the financial cost of water supply/sewerage of the providers for all uses, at the WD level, amounts to 77.70%, the revenues to €47,534,393, as determined in the Analytical Documentation Text- Financial Analysis of Water Uses, based on the available data.

The diagram below shows the recovery of the financial costs in the Eastern Central Greece RBD (EL07) for all RBs.

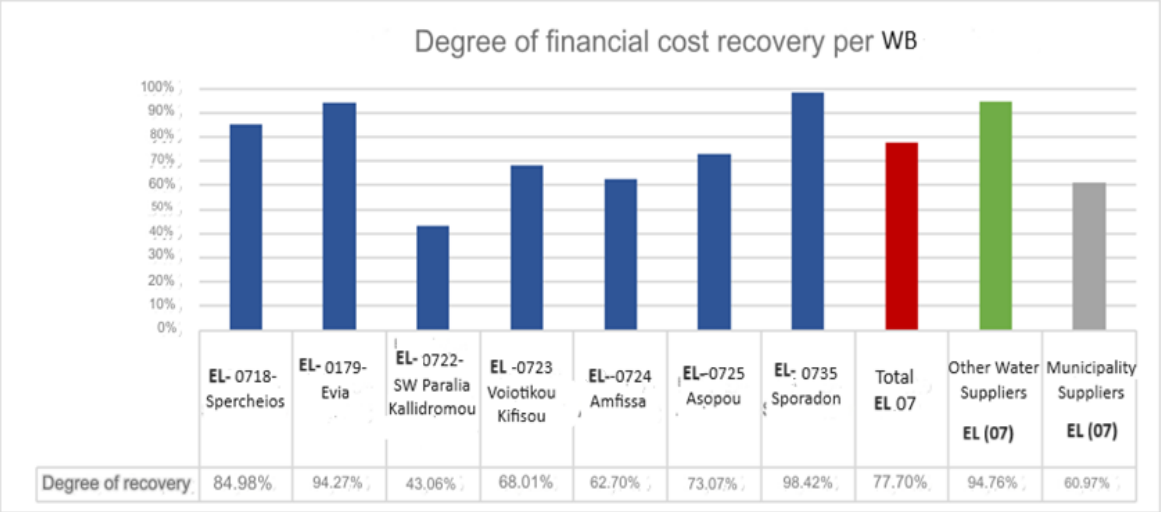


Figure 6-1: Recovery of financial costs of water providers of water supply and sewage treatment services (where applicable) in the WD of Eastern Central Greece (EL07)

From the above estimates, it is concluded that the overall degree of recovery of the financial costs in EL07 is satisfactory, mainly due to the existence of Municipal Enterprise for Water Supply and Sewerages – the providers Municipalities present a less satisfactory degree of recovery. The MEWSS base their pricing policies on costing-invoicing studies (some of which are under implementation), in which the total financial cost of the services provided is considered, while the Municipalities charge mainly based on the projected annual operating expenses, not including capital costs and administration costs and therefore underestimate the financial costs of services. As long as the Municipalities also proceed with comprehensive costing-invoicing studies, taking into account all elements of the financial cost, the degree of recovery for these suppliers will also improve.

The total degree of recovery depends mainly on water use, not only because it is the main use in the Water District but also because there is insufficient data to estimate the degree of

recovery of other uses, partly because in the general water tariff, other uses are also included except for domestic (e.g. professional uses) as well as several times industrial use is not distinguished from other professional uses. In addition, most suppliers register only the total revenue in the information system without further distinguishing between uses, and what revenue is available in their financial statements is not distinguished between uses.

The irrigation water (unrefined / non-potable) in EL07 either comes from private boreholes or is provided by collective irrigation bodies (Local Water Improvement Organizations), TAOK Aliartos (formerly Kopaida Organization, under the Regional Unit of Voiotia) and some Municipalities, without the mediation of Water Improvement Organizations.

Based on the-limited- data of agricultural water suppliers the total degree of recovery of the financial cost of agricultural water from suppliers for EL07 amounts to 36.37%.

For private boreholes, it is assumed that the financial costs are recovered at a 100% level since these costs are borne by the private individuals themselves who carry out and operate their water abstractions. Therefore, the total financial cost for agricultural use is essentially recovered at a 100% level. In the whole of EL07 the weighted average degree of recovery of water for agricultural use (private wells and providers) is 78.71%.

It should be noted that in the RBD of Eastern Central Greece (EL07), agricultural water suppliers do not provide water for industrial use. In addition, the total water withdrawals for livestock farming amount to 4.94 hm^3, with 100% of these being withdrawals from ground water systems and, since the needs of livestock farming are covered by the water supply network (mainly through domestic connections), have been taken into account in the calculations for the water supply network.

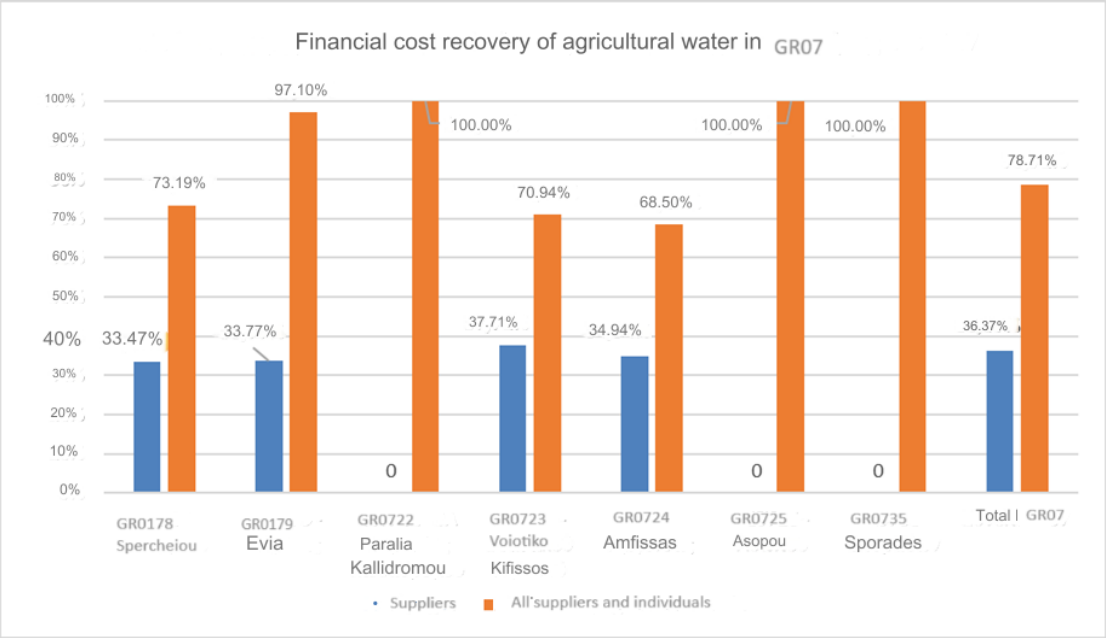


Figure 6-2: Recovery of financial costs of water for agricultural use in the RBD of Eastern Central Greece (EL07), 2020

The degree of financial cost recovery of agricultural water suppliers is particularly low. This may happen on the one hand due to the lack of reliable data for the calculation and on the other hand because water for agricultural use is under-priced and the pricing decision is not based on financial criteria. In most cases the suppliers charge for water through an acreage levy (usually depending on the type of crop), and in some cases an hourly charge. However, due to impossibility of counting, the charges do not reflect the actual water consumption.

In the RBD of Eastern Central Greece (EL07), industrial use is partly covered by water supply suppliers (through the water supply network) and partly by private boreholes. The total water withdrawals for industrial use by suppliers in the Eastern Central Greece Basin District (EL07) are estimated at 33.67 hm^3 per year, based on theoretical calculations. Water withdrawals from private boreholes for industrial use amount to 7.32 hm^3 and therefore total withdrawals for industrial use (private and suppliers) amount to 40.99 hm^3. Of these withdrawals, 4.94 hm^3 come from surface water bodies outside EL07 (these are withdrawals by WIO S.A. from EL04 and water supply either directly to the industries along the external aqueduct or to the respective providers) and the rest come from groundwater basins within EL07 (at a rate of 89.4% of all withdrawals for industrial use).

It should be noted that due to the fact that most suppliers do not distinguish industrial use from water supply use in their invoices, the theoretically calculated industrial consumption does not coincide with the consumption resulting from the suppliers' invoices. The recovery rate is only reported for suppliers with relevant data available per use.

For private boreholes, it is assumed that the financial costs are recovered at a 100% level since these costs are borne by the private individuals themselves who carry out and operate their water abstractions. In the whole of EL07 the weighted average recovery rate of water for industrial use (private wells and suppliers) is 79.71%.

6.2 ENVIRONMENTAL AND RESOURCE COST

According to the 2nd RBMP Revision, it is estimated that in the Eastern Central Greece RBD (EL07) the conditions exist for the calculation of environmental costs, given that there are surface WB with an ecological and/or chemical status lower than good or unknown and groundwater WB with poor chemical state.

The annual unit environmental cost at RBD level is estimated at 0.0002995 €/m^3 and is summarized in the table below.

Table 6-1: Environmental costs in the RB of Eastern Central Greece RBD (EL07), 2024-2027

RB	Annual Environmental Cost (€)	Unit Environmental Cost (€/m^3)
Spercheios (EL0718)	44.750	0,0001738
Evia (EL0719)	48.150	0,0006675
NW Paralia Kallidromou (EL0722)	26.250	0,0003848
Voiotikos Kifissou (EL0723)	54.150	0,0001353
Amfissa (EL0724)	20.950	0,0011471
Asopou (EL0725)	73.450	0,0010046
Sporadon (EL0735)	0	0,0000000
Total RB of Eastern Central Greece (EL07)	**267.700**	**0,0002995**

The distribution of the environmental costs per use in the total in the RB of Eastern Central Greece RBD (EL07) for the period 2021-2027 is presented in the following table.

Table 6-2: Distribution of environmental costs per water use in the RB of Eastern Central Greece RBD (EL07), 2024-2027

Environmental Cost	Irrigation	Agriculture	Industry
Spercheios RB (EL0718)			
Annual cost per use (€)	1.787	42.176	787
Usage participation (%) in the total annual cost	4,0%	94,2%	1,8%
Annual unit cost (€/m^3)	0,0001738	0,0001738	0,0001738
Evia RB (EL0719)			
Annual cost per use (€)	14.747	29.665	3.737
Usage participation (%) in the total annual cost	30,6%	61,6%	7,8%
Annual unit cost (€/m^3)	0,0006675	0,0006675	0,0006675
NW Paralia Kallidromou RB (EL0722)			
Annual cost per use (€)	1.372	24.551	326
Usage participation (%) in the total annual cost	5,2%	93,5%	1,2%
Annual unit cost (€/m^3)	0,0003848	0,0003848	0,0003848

Environmental Cost	Irrigation	Agriculture	Industry
Voiotikos Kifissou RB (EL0723)			
Annual cost per use (€)	1.674	49.914	2.562
Usage participation (%) in the total annual cost	3,1%	92,2%	4,7%
Annual unit cost (€/m^3)	0,0001353	0,0001353	0,0001353
Amfissa RB (EL0724)			
Annual cost per use (€)	2.612	12.714	5.624
Usage participation (%) in the total annual cost	12,5%	60,7%	26,8%
Annual unit cost (€/m^3)	0,0011471	0,0011471	0,0011471
Asopou RB (EL0725)			
Annual cost per use (€)	2.225	16.955	54.270
Usage participation (%) in the total annual cost	3,0%	23,1%	73,9%
Annual unit cost (€/m^3)	0,0002865	0,0002865	0,0087850
Sporadon RB (EL0735)			
Annual cost per use (€)	0	0	0
Usage participation (%) in the total annual cost	0,0%	0,0%	0,0%
Annual unit cost (€/m^3)	0,0000000	0,0000000	0,0000000

In the context of the 2nd RBMP revision, it is estimated that the Program of Basic Measures as well as the Horizontal Supplementary Measures are sufficient to achieve and/or maintain the good status of groundwater bodies. Therefore, no resource costs related to the Supplementary Measures are calculated.

7 ENVIRONMENTAL OBJECTIVES – EXEMPTIONS

The following tables summarize the state's objectives for surface and ground WB. The objectives set for the WB take into account the assessment of the state of the WB of the WBD, the efficiency of the proposed Program of Measures and the possibility given by the Directive for derogations under specific conditions.

Objectives for Surface WB

The table below summarizes the goals set for the 104 surface WB (SWB) of the RBD of Eastern Central Greece (EL07) until 2027:

- For 60 SWB the goal is to maintain good and superior ecological status.
- For 89 SWB the goal is to maintain good chemical status
- For 44 SWB it is the achievement of good ecological status/potential
- For 15 SWB it is the achievement of good chemical status.

Table 7-1: SWB status objectives by 2027

Objective	River WB	Lake WB	Transitional WB	Coastal WB	Total WB	Total WB
TOTAL NUMBER OF WB	**81**	**3**	**1**	**19**	**104**	
Non-degradation of good and superior ecological status/potential	43	2	1	14	60	57.69
Maintain good chemical status	67	3	1	19~~18~~	90~~89~~	86.54~~85.58~~
Achieving good ecological status/potential	38	1	0	5	44	42.31
Achieving good chemical status	14	0	0	0~~1~~	14~~15~~	13.46~~14.42~~
Improvement of ecological status/potential (ITYS)	1	0	0	0	1	0.96
Subject to Article 4.4 Ecological Status	27	1	0	5	33	31.73
Subject to Article 4.4 Chemical Status	0	0	0	0	0	0.00
Subject to Article 4.5 Ecological Status	11	0	0	0	11	10.58

Objective	River WB	Lake WB	Transitional WB	Coastal WB	Total WB	Total WB
Subject to Article 4.5 Chemical Status	14	0	0	01	1415	13.4614.42
Subject to article 4.6	-					
Subject to article 4.7	-					

Objectives for Ground WB

The following Table summarizes the objectives set for the 45 GWB of the Eastern Central Greece RBD (EL07):

- For 37 GWB and 7 Subsystems the goal is to maintain the good quantitative status.
- For 1 GWB the goal is to achieve good quantitative status whenever physical conditions allow after 2027.
- For 35 GWB and 2 Subsystems the goal is to maintain good chemical status.
- For 3 GWB and 2 Subsystems the goal is to achieve good chemical status whenever physical conditions allow after 2027.

Table 7-2: GWB status objectives after 2027

OBJECTIVES	NUMBER OF GWB
Non-degradation of good quantitative status	37 GWB and 7 Subsystems
Non-degradation of good chemical condition	35 GWB and 2 Subsystems
Achieving good quantitative status	1 GWB
Achieving good chemical status	3 GWB and 2 Subsystems
Subject to article 4.4	3 GWB and 2 Subsystems
Subject to Article 4.5	0
Subject to article 4.6	0
Subject to article 4.7	0

Objectives for protected areas

The main objectives for each category of protected area are defined as follows.

❖ Areas intended for abstraction of water for human consumption

The following objectives are set for the areas intended for abstraction of water for human consumption:

• The quality characteristics of the treated water for human consumption comply with the requirements of Directive 98/83/EC regarding the quality of water for human consumption.

• Ensuring adequate protection to avoid degradation of water quality in order to reduce the degree of treatment for the production of drinking water

❖ Water bodies that have been characterized as recreational waters

The objective for recreational waters identified under the Bathing Water Directive is to protect the environment and public health during bathing, as well as to maintain, protect and improve bathing water quality.

❖ Areas sensitive to the presence of nutrients

For the zones vulnerable to nitrate pollution, the general objectives set concern:

- the reduction of water pollution originating from nitrates of agricultural origin,
- avoiding additional pollution. These goals are achieved through:
  - defining Vulnerable Zones,
  - the implementation of the action programs applied to those of the implementation of the action programs applied to them
  - and the Codes of Good Agricultural Practice (GAP) that give guidelines on nitrate reduction contribute to the achievement of these goals

For Sensitive Areas, the main objective as defined in Directive 91/271/EEC is to protect the environment from the negative effects of urban wastewater discharge and waste water from certain industrial sectors.

❖ Areas designated for the protection of habitats or species

The objectives for the protection areas of the Natura 2000 Network are determined in relation to the conservation and protection objectives of the areas identified under the Habitats Directive (92/43/EC as currently valid). These objectives relate to protection and where necessary to improvement of the state of the aquatic environment to the extent necessary to achieve the conservation objectives of the natural habitats, as well as the wild flora and fauna in the Sites of Community Importance.

The objectives for the areas established in relation to the Wild Birds Directive (2009/147/EC) are to protect, or where necessary improve, the aquatic environment to such an extent that the protection objectives of the Special Protection Areas are achieved.

In cases where a protected area of the Natura 2000 network is part of a WB or when a WB falls within a Natura 2000 area, its objectives for the status of the WBI apply in addition to the requirements for the desired conservation status.

Some WB that fall into protected areas of the Natura 2000 Network have been designated as HMWB. In these cases, the goal of achieving Good Ecological Potential, which is achieved by the implementation of palliative measures to deal with hydromorphological alterations, is applied in addition to the goals for the conservation status of the area.

❖ Areas intended for the protection of aquatic species of economic importance

The objectives set concern:

• maintaining the quality of internal surface waters included in the register of protected areas in terms of the physicochemical parameters as defined in Annexes I and II of Directive 2006/44/EC[44] and monitored within the framework of the National Water Status Monitoring Network,

• maintaining the quality of coastal and transitional waters that are included in the register of protected areas in terms of the parameters listed in Annex I of Directive 2006/113/EC and monitored within the framework of the National Water Status Monitoring Network.

8 PROGRAM OF MEASURES

The Program of Measures is part of the Management Plan and it is also the "mechanism" for achieving the environmental objectives set. Especially the implementation of the Program Measure should ensure:

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

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

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

- Measures for the implementation of EU 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 relate to the horizontal implementation of actions in groups, usually, water bodies, with a view to achieving or maintaining good status in water.

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

8.1 PROGRESS OF IMPLEMENTATION OF THE 1ST RBMP REVISION POM

The program of measures of the 1st RBMP Revision included 10 Basic Measures of Group I, 35 Basic Measures of Group II and 18 Supplementary Measures.

In the following tables, the number of Basic (Group II) and Supplementary Measures per category of measure, as defined in the context of the 1st RBMP Revision, is given.

Table 8-1: Number of Basic Measures (Group II) of 1st RBMP Revision per category of Actions

Measures Category	Measure No
Measures to deal with negative impacts on the state of surface water systems, especially from hydro-morphological changes	5
Measures to implement the cost recovery principle of Water Services (Article 9)	4
Measures for diffuse sources of discharges	3
Measures for priority substances and other substances	2
Measures for point & diffuse sources of discharges	1
Measures for point sources of discharges	4
Measures for the control and licensing of the artificial enrichment of natural resources	2
Control measures for surface and ground water abstraction and surface water storage	2
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)	8
Measures for the protection of waters intended for human consumption (Article 7)	4
Total	**35**

Table 8-2: Number of Supplementary Measures of 1st RBMP Renvision per category of Actions

Measures Category	Measure No
Administrative Measures	3
Educational measures	3
Withdrawal checks	2
Emission controls	6
Research, development and demonstration (best practice) projects	2
Other related measures	1
Efficiency and reusability measures	1
Total	**18**

The progress of the implementation of the measures of the 1st RBMP Revision RBMP is directly affected by:

- The time available from the approval of the 1st RBMP Revision to today, approximately 5 years, which is relatively short for the full implementation of certain actions that require significant maturation time.
- The particularly unfavorable economic conditions prevailing in the Country, which led to limited rates of allocation of the necessary credits for the implementation of the measures.
- The available resources (human and financial) of the competent bodies for the implementation of the measures.

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

- Financing problems
- Administrative difficulties
- Problems regarding prioritization and prioritization of measures

Table 8-3: Stage of completion of Basic Protection Measures (Group I)

Directive	Planned Actions	Implementation Bodies	Implementation Stage
Bathing Water (Directive 2006/7/EC)	BO11: Continuation of the monitoring of bathing water quality in accordance with Directive 2006/7/EC.	SSW, Decentralized Water Administrations	Implemented
	Revision of the Bathing Water Identity Register		
Protection of wild birds (Directive 2009/147/EC) and habitats (Directive 92/43/EEC)	BO21: Preparation/establishment of Management Plans for protected areas of the Natura 2000 network that are directly dependent on water, with special reference to water management issues.	Ministry of Environment and Energy, Protected Area Management Bodies	To be implemented
	B22: Monitoring/assessment of the conservation status of water-dependent habitats and species in Natura 2000 network areas.		
Drinking Water (Directives 98/83/EC, 2015/1787/EU, Directive (EU) 2020/2184/EC	BO31: Monitoring the implementation of the Directive	Ministry of Health	Implemented

Directive	Planned Actions	Implementation Bodies	Implementation Stage
Environmental Impacts from Projects/Activities (Directives 2011/92/EU, 2014/52/EU)	BO41: Amendment of MD co. 170225/2014 (Specification of the contents of the environmental licensing files for projects and activities of Category A...) so that for specific categories of projects, which should be determined beforehand, the following are made mandatory: Pollutant emissions by category, Calculation of the effects due to pollution in the MD defined in the Management Plans and Comparison of these concentrations with the EPP. Preparation of a monitoring program and notification of results to the relevant General Directorate of Water.	Ministry of Environment and Energy	Implemented
Pollution Prevention - Control (Directive 2010/75/EU)	BO51: Maintaining a file-registry of facilities that are included in the provisions of the Directive	Decentralized administration	Not Implemented
Protection against nitrate pollution (Directives 91/676/EEC, 98/15/EC)	BO61: Implementation of the New Action Programs. The study for the drafting of Action Programs in all the Vulnerable Zones of the Country has been assigned by the MRDF to the Agricultural University and is under preparation.	MRDF	Implemented
	B62: Systematic monitoring of nitrate levels in water bodies that are or may be subject to nitrate pollution.	SSW, MRDF	Implemented
Plant Protection Products (Directive 2009/128/EC, Regulation (EC) No. 1107/2009, Regulation (EU) No. 652/2014)	BO71: Rational use of plant protection products	MRDF	Implemented

Directive	Planned Actions	Implementation Bodies	Implementation Stage
Addressing the risks of major accidents (Directive 2012/18/EE)	BO81: Maintaining a file-registry of facilities that fall under the provisions of the Directive.	Decentralized administration	Not Implemented
Sewage sludge (Directive 86/278/EEC)	BO91: JMD training regarding measures, conditions and procedures for the use of sludge originating from the treatment of domestic and urban sewage as well as certain liquid wastes, in compliance with the provisions of Directive 86/278/EEC and in replacement of JMD 80568/4225 /1991 and promoting actions related to the safe disposal of treated sludge.	Ministry of Environment and Energy	Not Implemented
Urban Wastewater Treatment (Directive 91/271/EEC)	BO101: Completion of the drainage and sewage treatment projects of the settlements that fall under the provisions of the Directive (concerns all settlements with a population of more than 2,000 equivalent inhabitants).	Region, MEWSS,, Municipalities	Implemented
	BO102: Strengthening actions to control the effective operation of existing wastewater treatment and drainage projects.	Region	Implemented

Table 8-4: Summary table of the progress of the completion of Basic and Supplementary Measures programs (1st RBMP Revision) in the RBD of Eastern Central Greece (EL07)

BASIC MEASURES			
Not Implemented	To be Implemented	Implemented	Total
19	7	9	35
SUPPLEMENTARY MEASURES			
Not Implemented	To be Implemented	Implemented	Total
13	0	5	18

Table 8-5: Number of Basic and Supplementary Measures (1st RBMP Revison) that have been completed per category of measure

Category of Measure	EL07
Reconstitution and restoration of wetland areas	
Administrative measures	1
Educational measures	
Pumping checks	
Emission controls	2
Withdrawal control	1
Research, development and demonstration projects	
Other Measures	
Efficiency and reusability measures	1
Measures to deal with negative effects on the state of surface water systems, especially from hydromorphological alterations	
Measures to implement the cost recovery principle of Water Services (Article 9)	
Measures to protect water intended for human consumption (Article 7)	2
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)	2
Measures for diffuse sources of discharges	2
Measures for priority substances and other substances	
Measures for point and diffuse sources of discharges	
Measures for point sources of discharges	1
Measures for the control and licensing of the artificial enrichment of natural resources of the RBD	
Demand management measures	
Control measures for surface and ground water abstraction and surface water storage	2
TOTAL	14

8.2 PROGRAM OF BASIC AND SUPPLEMENTARY MEASURES OF THE 2ND RBMP REVISION

8.2.1 Actions implementing EU Directives (Group I Basic Measures)

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

Table 8-6: Actions for the implementation of EU Directives

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) and in force.
Habitats Directive (92/43/EEC) **Birds Directive (2009/147/ EC)**	**JMD MD 37338/1807/E103/1.9.2010** (Government Gazette 1495/B/2010) "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 the conservation of wild birds", of the European Council of April 2, 1979, as codified by the directive 2009/147/EC" and its amendment **JMD MD 8353/276/E103/2012** (Government Gazette 415/B/2012). **JMD 33318/3028/11.12.1998** (Government Gazette 1289/B/1998) "determination of measures and procedures for the conservation of natural habitats (habitats) as well as wild fauna and flora" and its amendment **JMD MD 14849/853/E103/ 2008** (Government Gazette 645/B/2008) in compliance with the provisions of Directive 92/43/EEC "on the conservation of natural habitats as well as wild fauna and flora". **Law 3937/2011** (Government Gazette 60/A/2011) "Conservation of Biodiversity and other provisions" **JMD 50743/2017** (Government Gazette 4432/B/2017) "Revision of the national list of areas of the European Ecological Network Natura 2000" **Law 4685/2020** (Government Gazette 92/A/2020) "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"
Drinking water (Directives 98/83/ EC, 2015/1787/ EC)	**JMD D1(d)/G.P.ok.27829/15.05.2023 (Government Gazette 3525/B/2023)** "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 16 December 2020 (L435/1, 23.12.2020)

DIRECTIVE	INCORPORATION IN NATIONAL LAW
Environmental Impact / Activities (Directives 85/337/EC, 2011/92/EC, 2014/52/EC)	Law 4014/2011 (Government Gazette 209/A/2011) "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 Environment" as amended and in force. M.D. 5688/2018 (Government Gazette 988/B` 21.3.2018) "Amendment of the annexes of Law 4014/2011 (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 works projects on the environment" of the European Parliament and of the Council of 16 April 2014" Law 4936/2022 (Government Gazette 105/A` 27.5.2022) "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.103/2013 (Government Gazette 1450/B/2013) "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 Directive 2010/ 75/EU "on industrial emissions (integrated pollution prevention and control)" of the European Parliament and of the Council of 24 November 2010"

DIRECTIVE	INCORPORATION IN NATIONAL LAW
Nitrates Directive (Directive 91/676/ EC)	JMD 16190/1335/19.05.1997 (Government Gazette 519/B/1997) "Measures and conditions for the protection of waters from nitrate pollution of agricultural origin" MD co. 19652/1906/1999 (Government Gazette 1575/B/1999) "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 20419/2522/2001 (Government Gazette 1212/B/2001), MD 24838/1400/E103/2008 (Government Gazette 1132/B/2008), MD 106253/2010 (Official Gazette 1843/B/2010), MD 190126/2013 (Official Gazette 983/B/2013), MD 147070/2014 (Official Gazette 3224/B/2014) and is valid. JMD MEE/38552/265/2019 (Government Gazette 1496/B/2019) Action Program for areas that have been characterized as vulnerable zones from nitrate pollution of agricultural origin in accordance with article 2 of joint ministerial decision 19652/1906/1999 (B'1575), as in force, in compliance with Directive 91/676/EEC "on the protection of waters against nitrate pollution of agricultural origin" of the Council of December 12, 1991 of the European Communities, as amended and in force. M.D. 1848/278812/2021 (Government Gazette 4855/B` 20.10.2021) "Code of Good Agricultural Practice for the Protection of Waters from Nitrate Pollution of Agricultural Origin (Article 10§1)
Plant Protection Products (Directive 2009/128/EC, As it is amended of 2019/782/EC, Regulation (EU) No. 1107/2009, Regulation (EU) No. 652/2014)	Law 4036/27.01.2012 (Government Gazette 8/A/2012) "Availability of agricultural drugs on the market, their rational use and related provisions" as amended and in force. Law 4625/2019 (Government Gazette A 139- 31.08.2019) "Regulations of the Ministry of Infrastructure and Transport and other urgent provisions" [Article 19 includes the amendment of Annex E of Law 4036/2012 (Government Gazette 8/A/2012), in compliance with Directive (EU) 2019/782 (Articles 1 and 2 of Directive 2019/782/EU)].

DIRECTIVE	INCORPORATION IN NATIONAL LAW
Major Accidents (Seveso) Directive (2012/18/EC)	JMD 172058/2016 (Government Gazette 354/B/2016) "Definition of rules, measures and conditions for dealing with the risks of large-scale accidents in facilities or units, due to the existence of dangerous substances, in compliance with the provisions of Directive 2012/18/EU "to deal with the risks of major accidents related to dangerous substances and for the amendment and subsequent repeal of Directive 96/82/EC of the Council" of the European Parliament and the Council of July 4, 2012. Replacement of no. 12044/613/2007 (376/B/2007), as amended (Government Gazette 2259/B/2007)"
Sewage sludge (Directive 86/278/EEC, 2018/853/EU, Regulation, 2019/1010/EU)	M.D. MEE/DDA/41828/630/2023 (Government Gazette B' 2692/ 21.4.2023) "Measures, conditions and procedures for the use of treated sludge in agriculture and soil restoration- Compliance with the provisions of Council Directive 86/278/EEC of June 12, 1986 "regarding the protection of the environment and especially the soil during use of sewage treatment sludge in agriculture", as amended by Regulation (EU) 2019/1010 of the European Parliament and of the Council of June 5, 2019 and replacement of no. 80568/4225/1991 (B' 641) of joint ministerial decision"
Urban Waste Water Treatment (Directive 91/271/ EC, 98/15/ EC)	JMD 5673/400/05.03.1997 (Government Gazette 192/B/1997) "Measures and conditions for the treatment of municipal wastewater" and its amending decisions MD 19661/1982/2.8.1999 (Government Gazette 1811/B/1999), MD 48392/939/28.3.2002 (Government Gazette 405/B/2002) and MD 136843/2022 (Government Gazette B' 7215/ 31.12.2022).
Regulation (EU) No. 2020/741 on minimum requirements for water reuse	The Regulation applies when treated urban waste water is reused, in accordance with Article 12(1) of the Urban Waste Water Directive 91/271/EEC, for agricultural irrigation.

The following table presents the planned actions for the implementation of the Union and National Legislation for the protection of water.

Table 8-7: Actions for the implementation of EU 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

DIRECTIVE	PLANNED ACTIONS	IMPLEMENTING BODIES
	• **BO12:** Updating the Greek Bathing Water Profiles Registry	Water of the Decentralized Administration
Habitats Directive (92/43/EEC) Birds Directive (2009/147/ EC)	• **BO21:** Setting /Approval Management Plans for protected areas of Natura 2000 network relating 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
Drinking water (2020/2184/EC)	• **BO31:** Monitoring of the implementation of the Directive	Ministry of Health
Environmental Impact Assessment Directive 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:** Systematic monitoring of nitrate levels in WBs that are or may be subject to nitrate pollution.	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 Waste Water	• **BO101:** Completion of sewerage and waste water treatment projects of the settlements that concerns the provisions of the Directive	Region, MEWSS, Municipalities

DIRECTIVE	PLANNED ACTIONS	IMPLEMENTING BODIES
Treatment (Directive 91/271/ EC, 98/15/ EC)/ Regulation (EU) No. 2020/741 on minimum requirements for water reuse	• **BO102:** Strengthening actions to control the effective operation of existing wastewater treatment and drainage projects.	Region

8.2.2 Other Basic Measures (Group II)

The basic measures of Group II as formulated during the 2nd RBMP Revision are listed in the table below.

Table 8-8: Table of Basic measures (Group II) of the 2nd RBMP Revision

CODE- NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP	IMPLEMENTING BODIES
M07B0204 Training and expertise of all the stakeholders (Decentralized Administrations, Regions, MEWSS, LOLR, Local Government Organizations of the Joint Ministerial Decision 132275/19.05.2017 (Government Gazette 1751 B'/22.05.2017) of the National Water Committee, which deals with pricing and costing rules for water supply services	Measures to implement the cost recovery principle (Art. 9)	Continuing Measure (modification of title and description)	Ministry of Environment & Energy (General Directorate for Water)
M07B0301 Compilation / Revision 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 title and description)	Water service providers (MEWSS, Municipalities, etc.) / Dep. Administration (General Directorate for Water)
M07B0302 Actions to strengthen, restore, modernize water supply networks and control leaks	Measures to promote the efficient and sustainable use of water so as not to jeopardize	Continuing Measure (modification of title and description)	Water service providers (MEWSS, Municipalities, etc.) / Dep. Administration

CODE- NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP	IMPLEMENTING BODIES
	the achievement of the objectives of the Directive (Article 4)		(General Directorate for Water), Ministry of Environment & Energy
M07B0303 Increasing the efficiency of water use in ground improvement 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 title and description)/ New measure for the WB of Attica (EL06)	Ministry of Rural Development & Food, NRN, PEMP, Region
M07B0304 Investments to save water on agricultural holdings	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
M07B0305 Determination of upper limits of crop irrigation needs for private water withdrawals	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 title and description)	Decentralized Administration (Water Directorate), Region (directorate of Rural Economy and Veterinary Medicine)
M07B0308 Revision of the existing Strategic Plan to Address Water Scarcity and Drought	Measures to promote an efficient and sustainable water use (Art. 4)	Continuing Measure	Decentralized Administration (Water Directorate), Ministry of Environment & Energy (General Directorate for Water)
M07B0401 Definition and delimitation of zones and / or measures for the protection of water abstraction points, intended for human consumption from GroundWater Bodies	Measures to meet the requirements of Article 7 (drinking water)	Continuing Measure (modification of title and description, including the obligations of Directive 2020/2184/EU)	Water service suppliers (MEWSS, Municipalities, etc.) / Dep. Administration (General Directorate for Water), Ministry of Environment & Energy, Region

CODE- NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP	IMPLEMENTING BODIES
M07B0402 Protection of GWBs included in the registry of protected areas for human consumption and establishment of an institutional framework of protection	Measures to meet the requirements of Article 7 (drinking water)	Continuing Measure	Decentralized Administration (Water Directorate)
M07B0403 Protection of hydroleptic works of water intended for human consumption from Surface Water Systems	Measures to meet the requirements of Article 7 (drinking water)	Continuing Measure (modification of title and description, including the obligations of Directive 2020/2184/EU)	Water service suppliers (MEWSS, Municipalities, etc.) / Dep. Administration (General Directorate for Water), Ministry of Environment & Energy, Region
M07B0501 Restrictions, terms and conditions for the construction of hydro-absorbing groundwater abstraction projects (drillings, wells, etc.) for new uses, as well as the extension of permits for existing water uses to: a) GWB areas with poor quantitative status b) in protection zone II of water abstraction projects serving water supply networks operated by water supply service providers, c) zones of collective irrigation networks d) GWB of a coastal zone with inundation problems, widespread or local, regardless of origin	Measures to control surface and groundwater abstractions	Continuing Measure (modification of title and description)	Decentralized Administration (Water Directorate)
M07B0601 Investigating/Determining the conditions for the application of artificial enrichment of underground water systems as a means of quantitative reinforcement and quality protection of GWBs, with priority for GWBs in poor condition and dealing with salinization.	Measures to control the artificial recharge of groundwater aquifers	Continuing Measure	Region, Municipalities, Decentralized Administration (Water Directorate)

CODE- NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP	IMPLEMENTING BODIES
M07B0701 Strengthening environmental inspections and controls	Measures for point source pollution	Continuing Measure	Region
M07B0702 Modernization of national legislation on waste and industrial waste management	Measures for point source pollution	New measure to replace the M07B0702 & M07B1102	Ministry of Environment & Energy (General Directorate for Water), Regions
M07B0704 Conditions for the licensing of new / extension of existing aquaculture units	Measures for point source pollution	Continuing Measure	Ministry of Environment & Energy, Decentralized Administration, Region
M07B0705 Preparation of rules for sinkholes protection	Measures for point and diffuse source of pollution	Continuing Measure	Ministry of Environment & Energy (General Directorate for Water), Regions
M07B0801 Biological agriculture	Measures for diffuse source pollution	Continuing Measure (modification of title and description)	Ministry of Rural Development and Food (Directorate of Quality Systems, Organic Production and Geographical Indications)
M07B0803 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 title and description)	Ministry of Rural Development and Food / OPEKEPE
M07B0902 Determination of minimum natural lakes waterlevel, determination of maximum waterlevel fluctuation	Measures for any other significant adverse impacts on the status of water, in particular concerning hydromorpholo gical alterations of SWB	Continuing Measure (modification of title and description)	Managing Authority, Decentralized Administration (Water Directorate, National Monitoring Network Operating Bodies, Protected Areas Bodies, other scientific bodies)

CODE- NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP	IMPLEMENTING BODIES
of reservoirs			
M07B0905 Determination of selected areas for river sediment deposits removal to meet the needs of technical projects	Measures for any other significant adverse impacts on the status of water, in particular concerning hydromorpholo gical alterations of SWB	Continuing Measure (modification of title and description)	General Directorate for Water / Region / Decentralized Administration (Water Directorate)
M07B0906 Monitoring, recording and rehabilitation of coastal erosion	Measures for any other significant adverse impacts on the status of water, in particular concerning hydromorpholo gical alterations of SWB	Continuing Measure	Ministry of Infrastructure, and Transport, Ministry of Navigation, Region, Decentralized Administration (Water Directorate), Municipalities, TEE
M07B0907 Measures to identify and achieve Good Ecological Potential in Highly Modified Aquatic Systems	Measures for any other significant adverse impacts on the status of water, in particular concerning hydromorpholo gical alterations of SWB	New measure, following the implemented measure M07B0904 of the 1st Revision	They are defined on a case-by-case basis by the Table of Annex I hereof.

The first body is the Implementation body. The rest are supporting bodies for the implementation of the measure

8.2.3 Assessment of the possibility of achieving good status by 2027 after the implementation of the program of basic measures

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 Management Plan, the implementation of the basic measures must be supported by complementary measures.

Methodologically, it was chosen to propose supplementary measures:

a) To maintain the good condition of surface or underground water systems, as well as to increase knowledge and awareness of special issues for the most rational use of water, targeted users. In this case the supplementary measures have a horizontal, general application and the affected water systems are not specified.

b) In the water bodies that are estimated that despite the implementation of the program of basic measures, they will not achieve the goal of good status by 2027, and more specifically:

- in water bodies, which, according to measurements of the qualitative and quantitative parameters or with the new methodological approach to their grouping, are in a condition 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 goals.

The measures of case b) are taken into account for the calculation of the environmental cost and/or the cost of the resource, in accordance with the provisions of the national legislation as applicable.

The following Table lists the water bodies of the WBD of Eastern Central Greece (EL07) for which it is deemed necessary to take relevant targeted supplementary measures.

Table 8-9: Water bodies in the RBD of Eastern Central Greece (EL07), for which it is deemed necessary to take supplementary measures

RB Code	WB Code	WB Name	Ecological Status 2nd Revision	Chemical Status 2nd Revision	Overall Status of 2nd Revision	Main pressure factors
EL0718	EL0718R000200049N	SPERCHEIOS R. (ALAMANA) 1	MODERATE	GOOD	MODERATE	Unknown reason
EL0718	EL0718R000200050N	SPERCHEIOS R. (ALAMANA) 2	POOR	FAILING TO ACHIEVE GOOD	POOR	Other
EL0718	EL0718R000202051N	ASOPOS R. 1	POOR	FALLING TO ACHIEVE GOOD	POOR	Industry, Other
EL0718	EL0718R000204053A	SPERCHEIOS R. (ALAMANA) 3	POOR	GOOD	POOR	Agriculture
EL0718	EL0718R000204054A	TAFROS LAMIAS 1	GOOD	FALLING TO ACHIEVE GOOD	MODERATE	Agriculture
EL0718	EL0718R000204055N	XERIAS S.	MODERATE	GOOD	MODERATE	Industry
EL0718	EL0718R000204056A	TAFROS LAMIAS 2	MODERATE	GOOD	MODERATE	Industry
EL0718	EL0718R000204057A	SPERCHEIOS R. (ALAMANA) 4	MODERATE	FALLING TO ACHIEVE GOOD	MODERATE	Agriculture, , Energy- non-hydro, Industry, Transport, Urban development
EL0718	EL0718R000206059N	GORGOPOTAMOS 1	MODERATE	GOOD	MODERATE	Agriculture
EL0718	EL0718R000206060N	GORGOPOTAMOS 2	MODERATE	GOOD	MODERATE	Industry
EL0718	EL0718R000300072N	SAPOUNORREMA 1	MODERATE	GOOD	MODERATE	Agriculture, Flood Protection

RB Code	WB Code	WB Name	Ecological Status 2nd Revision	Chemical Status 2nd Revision	Overall Status of 2nd Revision	Main pressure factors
EL0718	EL0718R000500075N	REMATIA 1	MODERATE	GOOD	MODERATE	Agriculture
EL0718	EL0718R000900079N	INACHOS S.	MODERATE	GOOD	MODERATE	Agriculture
EL0719	EL0719R000100009N	MESAPIOS S. 1	BAD	FALLING TO ACHIEVE GOOD	BAD	Industry, Flood Protection
EL0719	EL0719R000100010N	MESAPIOS S. 2 – MAKRYMALIS S.	MODERATE	GOOD	MODERATE	Industry
EL0719	EL0719R000200001N	KIREFS S. 1- VOUDOROS	BAD	GOOD	BAD	Unknown reason
EL0719	EL0719R000204005N	NILEFS R. 1	MODERATE	GOOD	MODERATE	Unknown reason
EL0719	EL0719R000204006N	NILEFS R. 2- MAKRYRREMA	MODERATE	GOOD	MODERATE	Industry, Other
EL0719	EL0719R000204007N	NILEFS R. 3	MODERATE	GOOD	MODERATE	Other
EL0719	EL0719R000400008N	LIDAS R. XERIAS	MODERATE	FALLING TO ACHIEVE GOOD	MODERATE	Industry
EL0719	EL0719R000700014N	MANIKIATIS S.	MODERATE	GOOD	MODERATE	Unknown reason
EL0719	EL0719R000900015N	CHONDROS S.	POOR	FALLING TO ACHIEVE GOOD	POOR	Unknown reason
EL0719	EL0719R002700024N	XIROPOTAMOS	MODERATE	FALLING TO ACHIEVE GOOD	MODERATE	Industry
EL0723	EL0723R000000031H	KIFISOS R. (VOIOTIKOS) 5	POOR	GOOD	POOR	Industry, Agriculture

RB Code	WB Code	WB Name	Ecological Status 2nd Revision	Chemical Status 2nd Revision	Overall Status of 2nd Revision	Main pressure factors
EL0723	EL0723R000000037N	KIFISOS R. (VOIOTIKOS) 4	MODERATE	GOOD	MODERATE	Agriculture
EL0723	EL0723R000000040N	KIFISOS R. (VOIOTIKOS) 3	MODERATE	GOOD	MODERATE	Other
EL0723	EL0723R000002032A	MELAS R. 3 (MAVROPOTAMOS)	POOR	GOOD	POOR	Agriculture
EL0723	EL0723R000002033N	MELAS R. 3 (MAVROPOTAMOS)	MODERATE	GOOD	MODERATE	Industry, Agriculture
EL0723	EL0723R000004035N	PONTZA S.	MODERATE	GOOD	MODERATE	Industry
EL0723	EL0723R000006036N	ERKYNA	POOR	FALLING TO ACHIEVE GOOD	POOR	Agriculture
EL0723	EL0723R000008038N	VATHYRREMA	MODERATE	GOOD	MODERATE	Industry, Flood Protection
EL0723	EL0723R000012041N	KIFISOS R. (VOIOTIKOS) 2 – APOSTOLIAS S.	MODERATE	GOOD	MODERATE	Other
EL0723	EL0723R000014043N	KALAMITIS S.	MODERATE	FALLING TO ACHIEVE GOOD	MODERATE	Industry, Agriculture
EL0723	EL0723R000100044N	RITSONAS S.	MODERATE	FALLING TO ACHIEVE GOOD	MODERATE	Industry
EL0724	EL0724R000100029N	SKITSA S.	MODERATE	FALLING TO ACHIEVE GOOD	MODERATE	Industry, Other
EL0724	EL0724R000300030N	KATAFYGI S.	MODERATE	GOOD	MODERATE	Unknown reason

RB Code	WB Code	WB Name	Ecological Status 2nd Revision	Chemical Status 2nd Revision	Overall Status of 2nd Revision	Main pressure factors
EL0725	EL0725R000200025N	ASOPOS R.(VOURIENIS) 1	BAD	FALLING TO ACHIEVE GOOD	BAD	Industry
EL0725	EL0725R000200026N	ASOPOS R.(VOURIENIS) 2	BAD	FALLING TO ACHIEVE GOOD	BAD	Industry
EL0725	EL0725R000300028N	KLEISOURAS S.	MODERATE	GOOD	MODERATE	Flood Protection, Industry, Other
EL0719	EL0719L000000002N	DYSTOS	MODERATE	GOOD	MODERATE	Agriculture, Energy- non-hydro, Industry, Transport, Urban development, Transport
EL0718	EL0718C0005N	DIAVLOS OREON	MODERATE	GOOD	MODERATE	Industry
EL0719	EL0719C0006N	VOREIOS EVVOIKOS KOLPOS	MODERATE	GOOD	MODERATE	Industry
EL0723	EL0723C0012N	KOLPOS AVLIDAS	MODERATE	GOOD	MODERATE	Industry
EL0724	EL0724C0016N	ORMOS ITEAS	MODERATE	GOOD	MODERATE	Transport
EL0724	EL0724C0017N	ORMOS ANTIKYRAS	MODERATE	GOOD	MODERATE	Unknown reason

Table 8-10: RBD of Eastern Central Greece (EL07), where supplementary measures are necessary

No	Code	Name	Qualitive status	Quantitative status	Increased element values due to natural background	Local overrides	Main pressures	Marine penetration
EL0700051	Spercheiou (a)	POOR	GOOD	Magnesium 80 mg/L	NO3, metals	Agriculture, livestock farming, WWTP, Urbanization	NO	-
EL0700080	Atalantis	POOR	GOOD		NO3	Agriculture, Urbanization	Locally in the coastal zone	-
EL0700130	Amfissas	POOR	POOR		EC, Cl, SO4 metals	Agriculture, WWTP, Urbanization	Locally in the coastal zone	-
EL0700181	Kato Rou Voiotikou Kifisou (a)	POOR	GOOD		NO3, metals	Agriculture, livestock farming, WWTP, Urbanization	NO	-
EL0700211	Thivon-Assopou-Schimatariou (a)	POOR	GOOD		NO3	Agriculture, livestock farming,	NO	-
EL0700212	Thivon-Assopou-Schimatariou (b)	POOR	GOOD		NO3, metals	Agriculture, livestock farming, Urbanization	NO	-
EL0700213	Thivon-Assopou-Schimatariou (c)	POOR	GOOD		EC, Cl, NO3, metals	Agriculture, livestock farming, Urbanization	Locally in the coastal zone	-

No	Code	Name	Qualitive status	Quantitative status	Increased element values due to natural background	Local overrides	Main pressures	Marine penetration
EL0700300	Politikon-Psachnon	POOR	GOOD	Magnesium 80 mg/L	Cl, NO3, metals	Urbanization, livestock farming, WWTP	Locally in the coastal zone	-

8.2.4 Supplementary measures

The program of supplementary measures of the RBD of Eastern Central Greece (EL07) are presented in the following table.

Table 8-11: Table with the supplementary measures of the 2nd RBMP Revision

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
M07Σ0201 Development of a Monitoring Programme 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	CONTINUATION OF MEASURE M07Σ0201	WD	Decentralized Administration (Water Directorate) , Region	350,000
M07Σ0204 Control and management of artesian Wells	Administrative measures	CONTINUATION OF MEASURE M07Σ0204	WD	Owner of the Abstraction project, Decentralized Administration (Water Directorate)	0

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
M07Σ0207 Asopos R. delimitation	Administrative measures	CONTINUATION OF MEASURE M07Σ0207	EL0725R000200025N- ASOPOS R. (VOURIENIS) 1 EL0725R000200026N- ASOPOS R. (VOURIENIS) 2 EL0700211- THIVON- ASOPOU- SCHIMATARIOU (A) EL0700213- THIVON- ASOPOU- SCHIMATARIOU (G)	Region	99,220
M07Σ0501 Industrial Waste Water Management in Asopos RB	Emission Control	CONTINUATION OF MEASURE M07Σ0501	EL0725R000200025N- ASOPOS R. (VOURIENIS) 1 EL0725R000200026N- ASOPOS R. (VOURIENIS) 2 EL0725R000100027N- LIVADOSTRAS S. (STRAVOPOTAMOS) EL0725R000300028N- KLEISOURAS S. EL0700213- THIVON- ASOPOU- SCHIMATARIOU (G)	Association of Industries of Central Greece, private individuals, Region of Central Greece, Municipality of Tanagra	0 (Own Resources)
M07Σ0502 Investigation of implementation of immediate actions for managing the pressure of industries in Asopos RB	Emission Control	CONTINUATION OF MEASURE M07Σ0502	EL0725R000200025N- ASOPOS R. (VOURIENIS) 1 EL0725R000200026N- ASOPOS R. (VOURIENIS) 2 EL0725R000100027N- LIVADOSTRAS S. (STRAVOPOTAMOS) EL0725R000300028N- KLEISOURAS S. EL0700213- THIVON- ASOPOU- SCHIMATARIOU (G)	Ministry of Environment & Energy, Region of Central Greece	30,000
M07Σ0503 Investigation and pollution control actions of Asopos R.	Emission Control	CONTINUATION OF MEASURE M07Σ0503	EL0725R000200025N- ASOPOS R. (VOURIENIS) 1 EL0725R000200026N- ASOPOS R. (VOURIENIS) 2 EL0725R000100027N- LIVADOSTRAS S. (STRAVOPOTAMOS) EL0725R000300028N- KLEISOURAS S.	Region of Central Greece, R.U. of Voiotia, Municipality of Tanagra (Technical Service), Environmental Quality Control Scale, N.C.S.R. DIMOKRITOS, School of Medicine of the	180,000

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
			EL0700211- THIVON- ASOPOU- SCHIMATARIOU (A) EL0700213- THIVON- ASOPOU- SCHIMATARIOU (G)	University of Athens, Association of Industries of Central Greece, Chamber of Voiotia, Environmental Organization of the Region	
M07Σ0504 Emission controls at the outlets of stormwater culverts and other point sources of pollution that result in surface water bodies	Emission Control	CONTINUATION OF MEASURE M07Σ0504	WD	Municipalities, Region, Decentralized Administration (Water Directorate), Ministry of Environment & Energy (Special Secretariat for Water)	100,000
M07Σ0801 Determination and delimitation of GWB areas which are of poor quality due to salinization or have local salinization problems).	Abstraction Control	CONTINUATION OF MEASURE M07Σ0801	EL0700070- KNIMIDAS EL0700080- ATALANTIS EL0700130- AMFISSA EL0700213- THIVON- ASOPOU- SCHIMATARIOU (G) EL0700300- POLITIKON- PSACHNON EL0700310- SYSTIMA CHALKIDAS- ERETRIAS	Decentralized Administration (Water Directorate)	300,000

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
M07Σ0802 Systematic monitoring of quality status of licensed water abstractions in GWB with high natural background (e.g. chlorides).	Abstraction Control	CONTINUATION OF MEASURE M07Σ0802	EL0700130- AMFISSAS EL0700213- THIVON- ASOPOU- SCHIMATARIOU (G) EL0700220- SKOURTON – AG. THOMAS	Decentralized Administration (Water Directorate), Region	0
M07Σ0804 Completion of the Seta-Manikia Dam of Evia Region and accompanying projects, with the aim of limiting withdrawals from the GWB	Abstraction Control	NEW MEASURE	EL0700310- SYSTIMA CHALKIDAS- ERETRIAS EL0700340- KYMIS- ALIVERIOU EL0700350- DYSTOY – SOUTH EVIA	Region of Central Greece	53.800.000
M07Σ1001 Preparation of reuse of wastewater treatment studies for all existing	Efficiency and reuse measures	CONTINUATION OF MEASURE M07Σ1001	EL0700051- SPERCHEIOU (A) EL0700130- AMFISSAS EL0700181- KATO ROU – VOIOTIKOU- KIFISOU (A) EL0700300- POLITIKON- PSACHNON	Owner of the Abstraction project, Decentralized Administration (Water Directorate), Directorates of	500,000

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
tertiary treatment waste water treatment plants				Rural Development, OTAs of the first degree	
M07Σ1701 Exploratory Monitoring of SWB and GWB	Other relevant measures	CONTINUATION OF MEASURE M07Σ1701	**SWB** EL0718R000200049N- SPERCHEIOS R. (ALAMANA) 1 EL0718R000204053A- SPERCHEIOS R. (ALAMANA) 3 EL0718R000204055N- XERIAS S. EL0718R000206060N- GORGOPOTAMOS 2 EL0718R000300072N- SAPOUNORREMA 1 EL0719R000204005N- NILEFS R. 1 EL0719R000204006N- NILEFS R. 2- MAKRYRREMA EL0723R000002032A- MELAS R. 3 (MAVROPOTAMOS) EL0723R000002033N- MELAS R. 2 (MAVROPOTAMOS) EL0723R000004035N- PONTZA S. EL0723R000008038N- VATHYRREMA EL0723R000012041N- KIFISOS R. (VOIOTIKOS) 2 – APOSTOLIAS S. EL0723R000014043N- KALAMITIS S. EL0723R000100044N- RITSONAS S. EL0724R000300030N- KATAFYGI S..	Decentralized Administration (Water Directorate), Ministry of Environment & Energy (Special Secretariat for Water)	800,000

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
			EL0725R000300028N- KLEISOURAS S. <u>GWB</u> EL0700040- PELASGIAS EL0700110- MALESINAS EL0700070- KNIMIDAS EL0700200- YPATOU EL0700220- SKOURTON – AG. THOMA EL0700250- TELETHRIOU OROUS- AIDIPSOU EL0700270- VASILIKON- NHLEA EL0700320- VATHEIAS- XIROVOUNIOU EL0700330- SETAS EL0700340- KYMIS- ALIVERIOU EL0700370- SKYROU EL0700380- SKIATHOU EL0700390- SKOPELOU		
M07Σ1702 Prohibition of licenses for drilling irrigation wells in the coastal zone of the Euboean	Abstraction Control	NEW MEASURE	EL0700070- KNHMIDAS EL0700110- MALESINAS EL0700250- TELETHRIOU OROUS- AIDIPSOU EL0700270- VASILIKON- NHLEA EL0700300- POLITIKON- PSACHNON EL0700310- SYSTIMA CHALKIDAS- ERETRIAS	DEYA/ Municipalities	450,000

CODE & NAME OF MEASURE	CATEGORY	ASSOCIATION WITH THE 1st RBMP REVISION	RELATED WB	IMPLEMENTING BODY	MEASURE COST (€)
Gulf in areas within city plans and within demarcated settlements			EL0700320- VATHEIAS- XIROVOUNIOU EL0700340- KYMIS- ALIVERIOU EL0700350- DYSTOU – SOUTH EVIA		