



SPECIAL
SECRETARIAT
FOR WATER



MINISTRY OF
ENVIRONMENT
& ENERGY



1st REVISION OF RIVER BASIN MANAGEMENT PLAN

Aegean Islands River Basin District (EL14)

SUMMARY



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HELLENIC REPUBLIC

MINISTRY OF ENVIRONMENT & ENERGY

SPECIAL SECRETARIAT FOR WATER

1st REVISION OF RIVER BASIN MANAGEMENT PLAN FOR THE AEGEAN ISLANDS RIVER BASIN DISTRICT (EL14)

PROJECT: DEVELOPMENT OF 1st REVISION OF RIVER BASIN MANAGEMENT PLANS OF 14 RIVER BASIN DISTRICT OF THE COUNTRY, ACCORDING TO THE SPECIFICATIONS OF THE DIRECTIVE 2000/60/EC, PURSUANT TO THE LAW 3199/2003 AS AMENDED AND IN FORCE AND THE PRESIDENTIAL DECREE 51/2007 / M.7: AEGEAN ISLANDS RIVER BASIN DISTRICT (GR14)

JOINT VENTURE: «1^{HZ} REVISION OF RIVER BASIN MANAGEMENT PLAN FOR THE AEGEAN ISLANDS RIVER BASIN DISTRICT »

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Summary with abstract of the final 1st Revision of River Basin Management Plan in English

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1st REVISION OF RIVER BASIN MANAGEMENT PLAN FOR THE AEGEAN ISLANDS RIVER BASIN DISTRICT (EL14)

Summary with abstract of the final 1st Revision of River Basin Management Plan in English

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ABBREVIATIONS

AR	At Risk
AWB	Artificial Water Body
BQEs	Biological Quality Elements
DA	Decentralized Administration
EU	European Union
GG	Government Gazette
GWB	Ground Waterbody
HMWB	Heavily Modified Water Body
JMD	Joint Ministerial Decision
LAA	Local Administration Authority
LOLR	Local Organizations of Land Reclamation
MD	Ministerial Decision
MED GIG	Mediterranean Intercalibration Team
MEWSS	Municipal Enterprise for Water Supply and Sewerage
NAT	Natural Water Body
NR	Not at Risk
NMWN	National Monitoring Water Network
OLR	Organizations of Land Reclamation
PAR	Probably At Risk
PD	Presidential Decree
PNR	Probably Not at Risk
RB	River Basin
RBD	River Basin District
RBMP	River Basin Masterplan
RU	Regional Unit
SCA	Special Conservation Area
SCI	Site of Community Interest
SPA	Special Protection Area
SSW	Special Secretariat for Water
SWB	Surface Water Body
WB	Water Body
WFD	Water Framework Directive
WWTP	Waste Water Treatment Plants

1 INTRODUCTION

1.1 General

Since the beginning of 2000, the European Union has a new policy regarding the management of water resources. Basic tool for the promotion of this new policy is the Water Framework Directive 2000/60/EC.

The Greek Law was harmonised with the WFD with Law 3199/2003 (Government Gazette 280/A/2003) and the Presidential Decree 51/2007 (Government Gazette 54/A/2007).

River Basin Management Plans (RBMPs) for the **14 River Basin Districts (RBDs)** of the country was both a priority and a required step for the implementation of the WFD in Greece. These 14 River Basin Districts have been defined according to No.706/2010 Decision of the National Water Committee (GG 1383/B/2010 and GG 1572/B/2010 - correction of Annex II).

The 1st River Basin Management Plan for the Aegean Islands River Basin District (EL 14) was approved by the Decision No. 412/08.09.2015 (GG 2019/B/2015) of National Water Committee.

The River Basin Management Plans of the River Basin Districts of the country are revised and updated every six years. The first River Basin Management Plans of each RBD of Greece, which have been approved, concern the 1st Management Cycle (2009-2015) and are valid until their revision. The Management Plans which are laid down with the 1st Revision of River Basin Management Plans of the country's 14 River Basin Districts, according to the specifications of the Directive 2000/60/EC, concern the 2nd Management Cycle (2016-2021).

The 1st Revision was implemented simultaneously for all 14 River Basin Districts of the country and consistence has been achieved regarding both the methodologies and the proposed Programme of Measures (Basic and Supplementary).

1.2 Consultation

Informing the public, in all stages of its implementation, is required by the Directive 2000/60/EC (Article 14), while active participation should be encouraged. All important issues should be discussed with all stakeholders, competent authorities and public via appropriate actions of consultation and participating procedures.

Everyone that affects the good status of waters of Aegean Islands River Basin District and is affected from it, was called to participate in the consultation process (indicatively decision making authorities, administrators, water users or consumers, experts).

The consultation on the 1st Revision of the RBMP for the RBD lasted from November 2015 to December 2017 and included the following stages:

- **Stage A:** In November 2015, the planned tasks regarding the 1st Revision of the RBMP were posted to the website of the Greek Ministry of Environment and Energy (www.ypeka.gr). Also, a detailed timetable of these tasks was posted for the information of public.

- **Stage B:** In June 2016, the significant water management issues for each River Basin were posted to the website of the Greek Ministry of Environment and Energy. These issues included, the results of the National Monitoring Water Network (NMNW) for the RBD, the main pressures, the definition and listing of the competent authorities and bodies participating in the consultation. Basic common methodologies for the classification of the status of Water Bodies (WBs), the assessment of pressures and the determination of Heavily Modified Water Bodies (HMWBs) and the exemptions of Article 4 of Directive 2000/60/EC were also posted in December 2016.
- **Stage C:** In June 2017, the Draft of 1st Revision of the RBMP for the Aegean Islands RBD was posted to the webpage of Special Secretariat for Water (<http://wfdver.ypeka.gr>), as well as the relevant questionnaire. This stage also included the publication of the Strategic Environmental Impact Assessment.

The consultation was completed on 15/12/2017

For the purpose of the consultation of the 1st Revision of the RBMPs of the country a website was implemented by the Special Secretariat for Water (SSW) (<http://wfdver.ypeka.gr>), with the capability of comment submissions (email and online comments posting), as well as the capability of filling the consultation questionnaire. Posting public comments regarding the published material was also possible via the same webpage. Also, in the same webpage there are available all the elements of the 1st RBMPs accompanied with their relevant geospatial data, concerning the WBs and their status, as well as other relevant data related to Water Resources Management like the National Registry of Surface and Groundwater Abstraction Points, the National Database of Wastewater Treatment Plants etc.

In addition to the above mentioned, during the consultation, the capability of intervention was given regarding the 1st Revision of the RBMPs via email, fax or by post, aiming at the submission of different opinions and information providing.

The consultation process of the Strategic Environmental Impact Assessment was implemented simultaneously with the consultation of the 1st Revision of the RBMP, a fact which significantly contributed to the setup of the Final Plan.

Finally, in order to encourage the active participation of organizations and the public in the process of the 1st Revision of the Aegean Islands RBMP, the Special Secretariat for Waters, with the assistance of the Decentralized Administration, organized open workshops in Syros on 5/9/2017 and in Mytilene on 19/09/2017 during a two-day event for informing the public about the River Basin Management Plan and the Flood Risk Management Plan.

In total, during the Syros workshop 32 people took part and 4 interventions were made. Accordingly, during the Mytilene workshop 53 people took part while 5 interventions were made. In addition, 7 questionnaires were filled and 2 comments were made on the SSW website.

According to the questionnaires examined after the completion of the process, the results that arose are the following:

1. The main mean of information of the participants was the Internet, at a percentage of 71%.
2. The most effective way of information for the various supplementary documents of the RBMP is the related website of the SSW or information transfer via e-mail.
3. The stakeholder catalogue present on the consultation website was not read. Participants during the consultation do not want to add or modify this catalogue.
4. The upcoming changes in relation to the surface and groundwater bodies are considered to aim to the right direction.
5. The most significant water-related issues that needs to be addressed during the 1st Revision of the RBMP, are prioritized as such:
 - ✓ Problematic infrastructure in relation to drinking and irrigation works (e.g. old network, lack of water abstraction works, etc.)
 - ✓ Irrational management of water resources by the competent bodies.
 - ✓ Waste of water resources by users.
 - ✓ Water pollution by human activities (e.g. municipal waste, farming activities, industry waste, etc.).
6. The most important causes that complicates the confrontation of the issues mentioned above, are:
 - ✓ Lack of coordination by the competent authorities.
 - ✓ Fragmentation of the interventions.
 - ✓ Lack of recruitment by the competent bodies.
 - ✓ Absence of social awareness and people participation in relation to water resources protection.
7. Other issues that should be furtherly investigated during the revision of the Management Plan have not been identified.
8. For drought-water shortage and Climate Change issues, no opinions were expressed that could be taken into consideration during the revised Management Plan.
9. The most significant measures for water saving are prioritized as such:
 - ✓ Water saving systems.
 - ✓ Appropriate information.
 - ✓ Appropriate pricing policy.
 - ✓ Promotion of non-water thirsty crops.
10. The most effective ways of information and awareness raising are prioritized as such:
 - ✓ Public meetings.
 - ✓ Social media network.
 - ✓ Transfer of information though TV and through the radio.
11. The main priorities for encountering all the significant management issues are prioritized as such:
 - ✓ Water resources saving with infrastructure development projects (replacement of water supply and irrigation networks, water recycling, etc.).
 - ✓ Reducing groundwater pollution.
 - ✓ Reducing groundwater pumping.

The consultation process was designed and implemented on the basis of the Directive requirements that predict a series of actions, to ensure that both the public and the stakeholders will have access to

the total amount of information provided, with the scope of actively participating in the configuration of the 1st Revision of the RBMP. The basic conclusions drawn are:

- Satisfying participation of the Public Administration.
- Moderate participation of the public and of NGO's.
- High degree of environmental awareness in relation to water resources.
- The consultation process is considered successful, since it highlighted all these points/problems/shortages that came up during the implication of the 1st Management Plan and also highlighted the need for revision and finally, it contributed to the final configuration of the 1st Revision of the River Basin Management Plan of the Aegean Islands River Basin District (EL14).

To summarize with, the changes/additions/completions included in the 1st Revision of the RBMP, as a result of the consultation process are:

- Data update that are presented on the Management Plan, based on the information available and/or the information highlighted during the consultation process.
- Reforming of the final programme that includes:
 - The recast of certain measures in relation to the concretization/specialization of limitations and actions in relation to those measures.
 - Modification of the measure implementation bodies.
 - The alteration of certain measure descriptions with the scope of including actions that have been already programmed by the implementation bodies or/and the funding tools available.
 - The inclusion of certain supplementary measures for the achievement of certain and locally important management goals, increase of the current knowledge and improvement of the environmental and water conditions.

The consultation process along with its results that were presented briefly on the paragraphs above, are extensively described in the Detailed Documentation Text "Evaluation report of the consultation results".

2 DIFFERENCES IN RELATION TO THE 1st RIVER BASIN MANAGEMENT PLAN

2.1 Main differences in relation to the 1st River Basin Management Plan

The 1st Revision has significant changes and improvements in comparison to the 1st RBMP:

- It is based on the data of the National Water Monitoring Network for the 2012-2015 period.
- The 1st Revision is being drawn up at the same time as the Flood Risk Management Plans in accordance with Directive 2007/60 /EC and synergy of actions and of programme of measures has being accomplished.
- It is being drawn up at the same time as the programmes of measures for the achievement of the good environmental status of the marine waters of the country in accordance with the Directive 2008/56/EC and synergy of actions and of programme of measures has being accomplished.
- It takes into account the National Strategy for Adaptation to Climate Change and incorporated actions of the National Strategy for Adaptation to Climate Change into the programme of measures .
- It takes into account the results of actions that have been implemented so far in the context of increasing knowledge of water status and pressures, as well as the actions implemented to fill in the gaps identified in the 1st Management Plan.
- It takes into account the new requirements arising from the Directive 2000/60/EC Guidance Documents published by the EU.
- It takes into account the results of the European Commission's Special Report on the Evaluation of Management Plans which was implemented as part of the European Parliament's briefing on the implementation of the Directive and is available on the EU's website.
- It takes into account the new analytical methodologies for critical aspects of the implementation of WFD:
 - Analysis of anthropogenic pressures and their impacts on surface water bodies and groundwater bodies.
 - Determination and criteria for assessment of hydromorphological alterations.
 - Determination of Heavily Modified (HMWB) and Artificial (AWB) Water Bodies.
 - Determination of the "exemptions" from the achievement of the environmental objectives of Directive 2000/60/EC:
 - Determination of the "exemptions" of paragraphs 4 to 6 of Article 4 of Directive 2000/60/EC (4.4 - 4.6).
 - Determination of the "exemptions" of paragraph 7 of Article 4 of Directive 2000/60/EC (4.7), concerning new modifications.
 - Assessment (classification) of surface water bodies status:
 - Assessment of the ecological and chemical status of river water bodies.
 - Assessment of the ecological and chemical status of lake water bodies.
 - Assessment of the ecological and chemical status of coastal and transitional water bodies.
- It takes into account the new analytical national assessment methodologies for individual biological quality elements (BQEs) for each surface water category that have been approved by

the EU in the context of the intercalibration exercise carried out at European level. These methodologies concern the following:

- Analytical methodologies for the assessment of biological quality elements in rivers.
- Analytical methodologies for the assessment of biological quality elements in lakes.
- Analytical methodologies for the assessment of the biological quality elements in coastal and transitional waters.

All the analytical methodologies, which are also Analytical Documentation Documents of the 1st Revision of the RBMP, are available on the relevant website of the Special Secretariat for Water <http://wfdver.ypeka.gr/>

2.2 Record of the main differences

The following table summarizes the differences in each individual scope of the Revised RBMP in relation to the 1st RBMP, based on the previous paragraph and the obtained results.

Table 2-1 Main differences of the 1st Revision in relation to the 1st RBMP

Scope of 1 st Revision /Activity	Differences in relation to the 1 st RBMP
COMPETENT AUTHORITIES	The competent authorities are not different from the 1 st RBMP. In the Revision, the inventory of key authorities / stakeholders involved in Water Management as outlined in the existing institutional framework is rationalized and presented based on the requirements of the new Guidance Document for reporting to EU (GD Reporting 2016).
DETERMINATION OF SURFACE WATER BODIES - TYPOLOGY	During the Revision, a new typology is being developed for river and lake WBs. Also, reservoirs are reported as River Heavily Modified WBs, but for their typology and classification the elements and tools for the lake WBs has been used, as lake WBs are the category of natural surface water bodies to which reservoirs are the most similar. Based on the above, the number of SWBs is reviewed. During the revision, the SWBs codes were modified. The GR at the beginning of the codes becomes EL for compatibility reasons with the EU databases.
DETERMINATION OF GROUNDWATER BODIES	The number of GWBs is reviewed based on the latest data from the NMWN and / or individual specific studies that have been implemented since the approval of the 1 st RBMP to date. During the revision, the GWBs codes were modified. The GR at the beginning of the codes becomes EL for compatibility reasons with the EU databases.
HEAVILY MODIFIED WATER BODIES (HMWBs) AND ARTIFICIAL WATER BODIES (AWBs)	Heavily Modified Water Bodies determined in the 1 st RBMP are reviewed on the basis of the new methodology that has been established and the data from the NMWN.
PROTECTED AREAS	The Register of Protected Areas from the 1 st RBMP, is revised based on: The new Natura 2000 sites proposed by the Greek Ministry of Environment and Energy based on the provisions of the Birds Directive (2009/147/EC) and Habitats Directive (92/43/EEC) The results of the Monitoring Program of Bathing Waters and the provisions of the Bathing Waters Directive (2006/7/EC) Other directives on water protection with stricter objectives such as the Drinking Water Directive (80/778/EEC, as amended by Directive 98/83/EC), the Directive for shellfish (2006/113/EC), the Directive for freshwater fish (2006/44 / EC), the Directive for protection from pollution caused by nitrates (91/676/EEC) and the Directive for urban waste water treatment (91/271/EEC). Newer data emerged from the approval of the 1 st RBMP and the relevant EU Guidance Documents.
PRESSURES AND IMPACTS	The assessment of pressures and impacts in the Revision is carried out on the basis of the new common methodology developed and the newer data from the approval of the 1 st RBMP. A significant difference is the assessment of the pressures on the hydromorphological characteristics of the Water Bodies for which a specific and analytical methodological approach has been developed.

Scope of 1 st Revision /Activity	Differences in relation to the 1 st RBMP
CLASSIFICATION OF SURFACE WATER BODIES' STATUS	In the Revision, the classification of surface WBs' status is based on the new methodological approaches developed by the National Scientific Committee of the SSW to determine the methods for classifying the ecological status of all categories of surface water bodies and adopted by the EU and the data of the Monitoring Network of water bodies' status. For WBs that are not monitored, the classification of their status was performed by grouping based on their typology and pressures.
CLASSIFICATION OF GROUNDWATER BODIES' STATUS	The methodology for the classification of GWBs' status is not different from the 1 st RBMP. The classification of GWBs is based on the newest data of the NMWN.
MONITORING NETWORK FOR WATER BODIES' STATUS	The Revision in relation to the 1 st RBMP includes the results of the NMWN with a larger number of samples for the 2012 - 2015 period for almost all Biological Quality Elements, Physico-chemical and Chemical Quality Elements as well as the hydromorphological quality elements of surface WBs. It also includes measurements of both the qualitative and the quantitative status of the GWBs
ECONOMIC ANALYSIS OF WATER USES	The economic analysis of the water uses is based on the provisions of the new JMD 135275/22.05.17 "Adoption of general rules for costing and pricing of water services. Method and procedures for the recovery of the cost of water services in its various uses ", and the methodological tools resulted from the SSW project "Consultant on technical support and assistance of SSW in matters of organization, management and costing of water services".
ENVIRONMENTAL OBJECTIVES - EXEMPTIONS	During the Revision, the environmental objectives and exemptions were based on new methodological approaches developed in accordance with EU guidelines
PROGRAM OF MEASURES	The Programme of Measures in this Revision of the RBMP includes the following new approaches in relation to the 1 st RBMP: <ul style="list-style-type: none"> • The specialization /restatement of the 1st RBMP measures, which are continuing in this Management Cycle. • The formulation of new measures to address the pressures on the WBs and the achievement of the objectives set. • The correlation of measures with specific significant pressures identified in the RBD. • The correlation of measures with Key Type Measures as defined by the EU and specific indicators to monitor their implementation progress. • The correlation of measures with national actions to adapt to climate change as set out in the National Climate Change Adaptation Strategy (Greek Ministry of Environment and Energy, 2016).

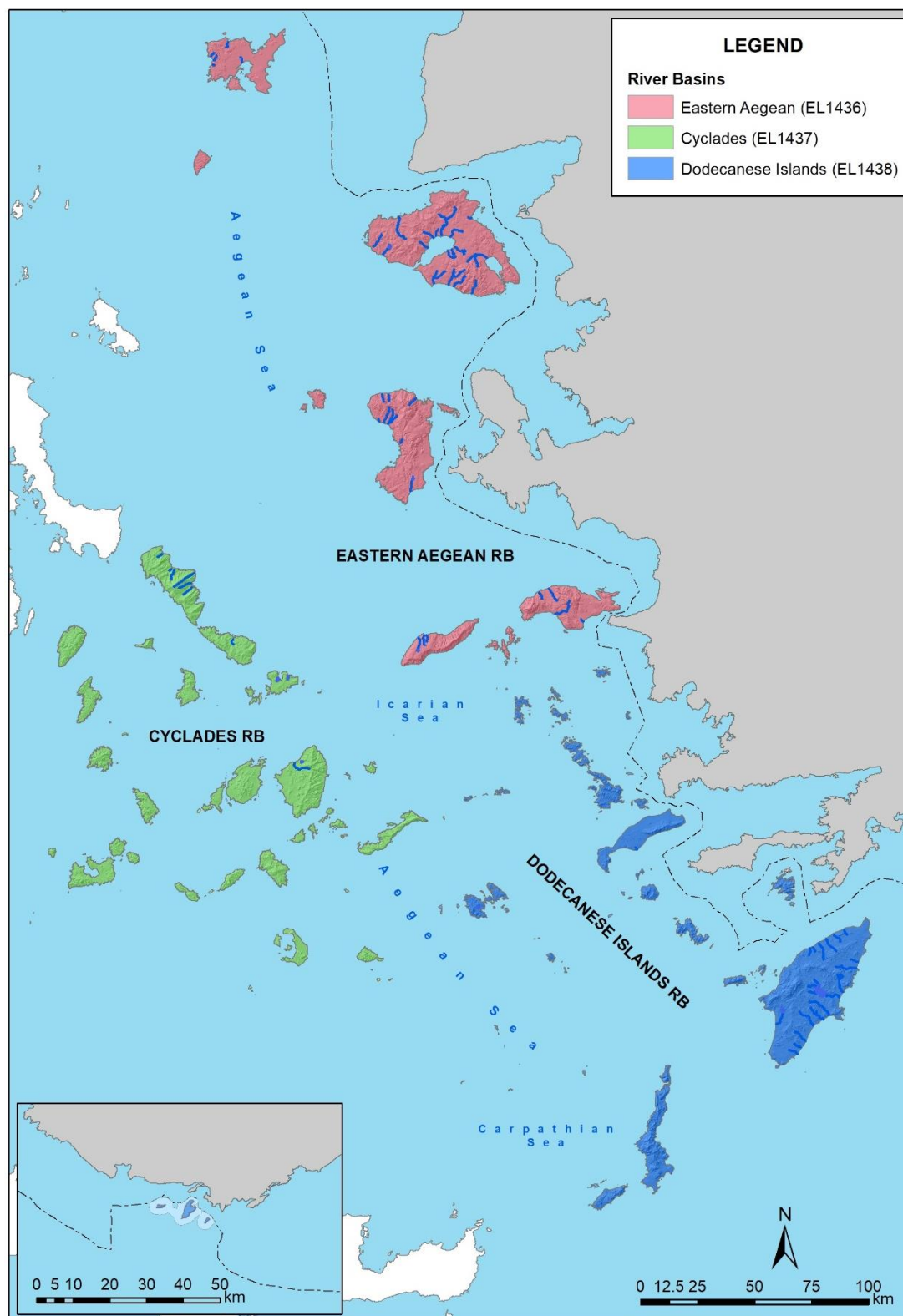
3 DESCRIPTION OF THE RIVER BASIN DISTRICT - COMPETENT AUTHORITIES

3.1 River Basins

The **Aegean Islands River Basin District** is the 14th of the 14 River Basin Districts of the Country, has the Code EL14 and consists of three (3) River Basins, which, according to the No 706/2010 Decision of the National Water Committee (GG 1383/B/2010), are the Eastern Aegean River Basin (EL1436), the Cyclades River Basin (EL1437) and the Dodecanese Islands River Basin (EL1438).

Table 3-1 River Basins of Aegean Islands RBD (EL14)

RB Code	RB Name	Area (km ²)	Elevation (m)		
			Mean	Maximum	Minimum
EL1436	Eastern Aegean	3.829,64	231,23	1.444	0
EL1437	Cyclades	2.573,30	190,33	1.004	0
EL1438	Dodecanese Islands	2.701,74	179,56	1.215	0
EL14	River Basin District of Aegean Islands (EL14)	9.104,68	204,51	1.444	0



Map 3-1 Aegean Islands River Basin District (EL14) and River Basins

3.2 Competent Authorities

The competent authorities for the protection and management of water resources are defined by Law 3199/2003 (GG 280/A/2003), as amended and in force, for the Protection and Management of Water Resources, which harmonizes the National Law with the provisions of the WFD,. The competent authorities are:

The **National Water Committee**, is defined as the high level interministerial body and has the responsibility of policymaking for the management and protection of water resources of the country and consists of the Ministers of:

- a) Environment and Energy, as President,
- b) Infrastructure and Transport
- c) Economy
- d) Economy and Development
- e) Interior
- f) Health
- g) Rural Development and Food
- h) Administrative Reconstruction

In the Committee other Ministers may participate, after invitation of the President, if issues of their responsibilities are discussed, while the Minister of Foreign Affairs participates when issues regarding transboundary water bodies are discussed.

The **National Water Council**, delivers opinions to the National Water Committee for national programs related to the protection and management of the water resources of the country, while takes note of the Yearly Report, which the National Water Committee submits, regarding the status of water environment of the country, the implementation of the legislation for the protection and management of water resources, as well as the compatibility of Union's acquis. It consists of 26 members (parties and bodies representatives) and the Minister of Environment and Energy. The National Water Council is convened from its President at least once a year.

The **Special Secretariat for Water**, which has the responsibility of the implementation of the Programs for Protection and Management of Water resources of the country and the coordination of agencies and national bodies for each issue regarding the protection and management of water resources. The Secretariat, in collaboration with the Water Directorate of the Decentralized Administrations, sets up the national programmes for the protection and management of the water resources of the country and monitors and coordinates their implementation.

Table 3-2 Identity of the National Competent Authority

Official Name	Special Secretariat for Water
Abbreviation	SSW
Legal status	Single Administrative Division of the Ministry of Environment and Energy
Provisions for its Creation and Definition of Competencies	Law 3199/2003 (GG 280/A/2003) for the Protection and Management of Water Resources, as amended and in force, specially by Law 4117/2013 (GG 29/A/2013) and Law 4315/2014 (GG 269/A/2014). Presidential Decree 132/2017 (GG 160/A/2017) "Organization of the Ministry of Environment and Energy".
Contact info	
Postal address	17 Amaliados st.
Postal Code	11523
City	Athens
Country	Greece
Webpage	http://www.ypeka.gr/ http://wfdver.ypeka.gr
Telephone, e-mail	Tel. 210 6475102, 213 1515410 e-mail: info.egy@prv.ypeka.gr

Additionally, on implementation issues of the WFD, the following Ministries are engaged: Ministry of Foreign Affairs, Ministry of Rural Development and Food, Ministry of Infrastructure and Transport, Ministry of Economy and Development, Ministry of Health, Ministry of Maritime Affairs and Island Policy, Ministry of Interior.

At a regional level, the competent authorities are:

The **Water Council of the Decentralized Administrations**, which, according to Article 6 of Law 3199/2003, as amended by Article 53 of Law 4423 (GG 182/A/2016), is established in each Decentralized Administration as an instrument for social dialogue and consultation on water protection and management issues. In case that the River Basin Management Plan is implemented by the Decentralized Administration, the Water Council of the Decentralized Administration is consulted before the approval of the Management Plan and advises Secretary General of the Decentralized Administration [or otherwise the Coordinator of Decentralized Administration, according to article 28 of Law 4325/2015 (GG 47/A/2015)] on every issue of water protection and management that he/she submits. Also, in this case, the Water Council of the Decentralized Administration, before issuing its opinion to the Management Plan, shall make it available, in order for the public to be informed of its content and participate in the consultation about it, within a deadline set by the Water Council.

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

Following the reorganization of the local administration authorities as a result of the administrative reforms of the "Kallikratis" plan, the Water Directorates of the former State Regions are now subordinated to the respective Decentralized Administrations. The Decentralized Administration of Aegean, which is responsible for all the RBs of Aegean Islands RBD (EL14), includes two Water Directorates: the Water Directorate of North Aegean and the Water Directorate of South Aegean. Each Water Directorate is responsible for the protection and management of the waters in the respective

Region and exercises the powers conferred on the Decentralized Administration in accordance with the current legislation. Further specialization of the exercise of their competencies is determined by decision of the Decentralized Administration Coordinator. In the Eastern Aegean RB (EL1436) of the Aegean Islands RBD (EL14), the Water Directorate of North Aegean exercises the responsibilities of the Decentralized Administration for the protection and management of waters. In the Cyclades (EL1437) and Dodecanese Islands RBs (EL1438) of the Aegean Islands RBD (EL14), Water Directorate of South Aegean exercises the responsibilities of the Decentralized Administration for the protection and management of waters.

Table 3-3 Identity of the Regional Competent Authority - Water Directorate of North Aegean

Official Name	Decentralized Administration of Aegean, Water Directorate of North Aegean
Abbreviation	WDNA
Legal status	Organic Unit of the Decentralized Administration of Aegean Falls under the General Directorate of Spatial and Environmental Policy
Provisions for its Creation and Definition of Competencies	Law 3199/2003 (GG 280/A/2003) for the Protection and Management of Water Resources, as amended and in force, specially by Law 4117/2013 (GG 29/A/2013) and Law 4315/2014 (GG 269/A/2014). Law 3852/2010 (GG 87/A/2010) Kallikratis Plan, as in force. Presidential Decree (GG 229/A/2010) "Organization of the Decentralized Administration of Aegean ".
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Webpage	http://www.apdaigaiou.gov.gr/
Telephone, e-mail	Tel. 22513 50961 Fax: 22510 37258 e-mail: pvadydat@apdaigaiou.gov.gr e-mail: evangelos.kontis@apdaigaiou.gov.gr

Table 3-4 Identity of the Regional Competent Authority - Water Directorate of South Aegean

Official Name	Decentralized Administration of Aegean, Water Directorate of South Aegean
Abbreviation	WDSA
Legal status	Organic Unit of the Decentralized Administration of Aegean Falls under the General Directorate of Spatial and Environmental Policy
Provisions for its Creation and Definition of Competencies	Law 3199/2003 (GG 280/A/2003) for the Protection and Management of Water Resources, as amended and in force, specially by Law 4117/2013 (GG 29/A/2013) and Law 4315/2014 (GG 269/A/2014). Law 3852/2010 (GG 87/A/2010) Kallikratis Plan, as in force. Presidential Decree (GG 229/A/2010) "Organization of the Decentralized Administration of Aegean".
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In addition, Local Administration Authorities of Level A and B are involved in issues regarding the implementation of the WFD.

The table that follows provides a better image of the nature of the role of each competent authority per thematic object, in the frame of water management and protection.

Table 3-5 Degree of involvement of the competent authorities in relation to the Directive 2000/60/EC implication

Authority	Roles												
	Pressure and impact analysis	Financial Analysis	Surface waterbodies monitoring	Ground waterbodies monitoring	Status assessment of surface waterbodies	Status assessment of ground waterbodies	RBMP instruction	MP instruction	Measurement implication	Participation of the public	Regulation enforcement	Implication coordination	Data submission to the EC
Special Secretariat for Water of the Ministry of Environment & Energy	M	M	M	M	M	M	M	M	M	M	M	M	M
Water Directorate of the Decentralized Administration	O	O	-	-	-	-	O	O	M	M	M	M	-
Ministry of Foreign Affairs	-	-	-	-	-	-	-	-	O	-	M	-	-
Ministry of Rural Development & Food	-	-	-	-	-	-	-	-	M	-	O	-	-
Ministry of Infrastructure & Transport	-	-	-	-	-	-	-	-	M	-	O	-	-
Ministry of Finance & Development	-	-	-	-	-	-	-	-	M	-	O	-	-
Ministry of Health	-	-	-	-	-	-	-	-	M	-	O	-	-
Ministry of Shipping & Island Policy	-	-	-	-	-	-	-	-	M	-	O	-	-
Ministry of Interior	-	-	-	-	-	-	-	-	M	-	O	-	-
Municipalities	-	-	-	-	-	-	-	-	M	O	-	-	-
Regions	-	-	-	-	-	-	-	-	M	O	O	-	-

M	Main Role
O	Other Role
-	No Role

The competent authorities in a national, regional and local level are presented in the figure that follows.

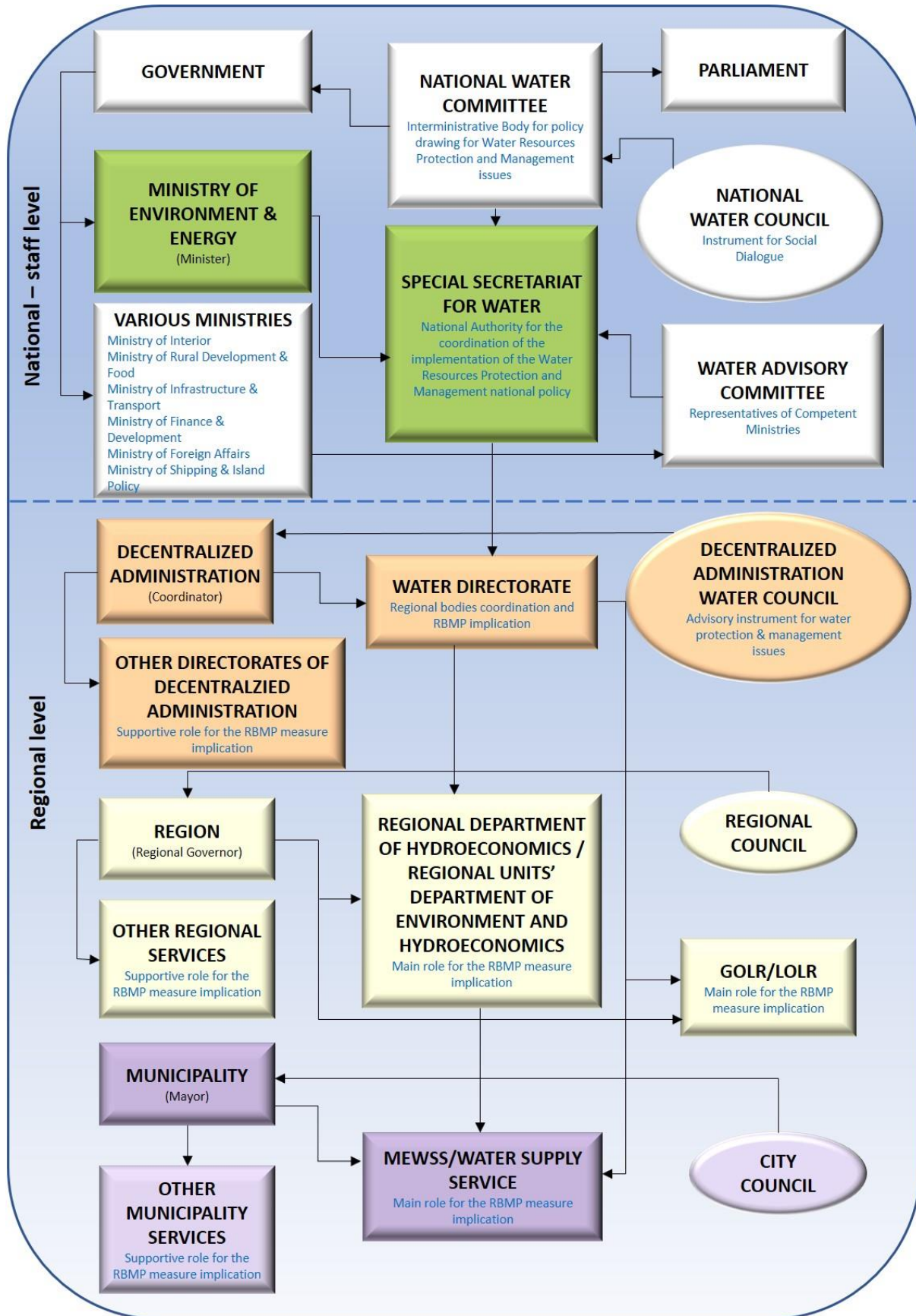


Figure 3-1 National, regional and local competent authorities

4 IDENTIFICATION OF WATER BODIES

4.1 Surface Water Bodies

Under the 1st Revision of the RBMP, a total of one hundred and seventy-seven (177) surface water bodies were identified.

Table 4-1 Number of surface water bodies per River Basin of Aegean Islands RBD (EL14)

WB Type	RB EL1436	RB EL1437	RB EL1438	TOTAL RBD
River WBs*	51	11	28	90
Lake WBs	0	0	0	0
Transitional WBs	0	0	0	0
Coastal WBs	17	35	35	87
Total WBs	68	46	63	177

*Reservoirs included

The surface water bodies identified are presented to the following tables.

Table 4-2 New typology, according to European Decision 2013/480 / EC and MED GIG, for River WBs (not reservoirs) of Aegean Islands RBD (EL14)

No	WB Name	WB Code	Cate- gory	Length (km)	Immediate River Basin (km ²)	Cumulative River Basin (km ²)	Mean Annual Runoff (hm ³)	Type	Island
Eastern Aegean RB (EL1436)									
1	KATALAKOS	EL1436R000100001N	NAT	4,05	30,2	30,2	3,45	R-M5	Limnos
2	VOULGARIS P.	EL1436R000200005N	NAT	14,23	82,6	82,6	30,63	R-M5	Lesvos
3	ATSIKI	EL1436R000300002N	NAT	3,48	56,2	56,2	6,22	R-M5	Limnos
4	EYERGETOULAS P.	EL1436R000400008N	NAT	4,65	33,9	95,7	30,76	R-M5	Lesvos
5	EYERGETOULAS P.	EL1436R000400009N	NAT	7,04	40,9	40,9	13,16	R-M5	Lesvos
6	EYERGETOULAS P.	EL1436R000402010N	NAT	7,19	20,9	20,9	6,71	R-M5	Lesvos
7	AYLON R.	EL1436R000500003N	NAT	1,43	19,8	19,8	2,61	R-M5	Limnos
8	TSIKNIAS P.	EL1436R000600018N	NAT	5,30	7,5	92,4	32,21	R-M5	Lesvos
9	TSIKNIAS P.	EL1436R000600019N	NAT	5,01	20,7	84,9	29,62	R-M5	Lesvos
10	KASPAKAS R.	EL1436R000700004N	NAT	3,81	14,7	14,7	1,77	R-M5	Limnos
11	ELINTAS R.	EL1436R000800028N	NAT	2,79	61,4	61,4	8,86	R-M5	Chios
12	SEDOUNTAS P.	EL1436R000900011N	NAT	8,47	24,3	24,3	11,06	R-M5	Lesvos
13	FOURNIOTIKOS P.	EL1436R001000033N	NAT	2,54	6,3	46,7	17,01	R-M5	Samos
14	FOURNIOTIKOS P.	EL1436R001000034N	NAT	5,13	40,3	40,3	14,72	R-M1	Samos
15	AKRASI R.	EL1436R001100012N	NAT	9,51	28,7	28,7	13,84	R-M5	Lesvos
16	VOURKOU R.	EL1436R001500014N	NAT	4,74	21,0	56,9	23,78	R-M5	Lesvos
17	VOURKOU R.	EL1436R001500015N	NAT	11,69	35,8	35,8	14,99	R-M5	Lesvos
18	LAGKADA R. (ALMYROPOTAMOS)	EL1436R001700016N	NAT	3,11	8,4	65,4	15,33	R-M1	Lesvos
19	MYLOPOTAMOS	EL1436R001900017N	NAT	1,64	0,6	48,8	14,67	R-M5	Lesvos
20	ENNIAM KAMARES R.	EL1436R002100021N	NAT	1,76	26,1	43,3	11,93	R-M1	Lesvos
21	POTAMIA	EL1436R002300022N	NAT	3,29	4,2	33,9	12,53	R-M5	Lesvos
22	MELADIA R.	EL1436R002500023N	NAT	7,50	36,9	36,9	11,77	R-M5	Lesvos
23	AGIASMATA	EL1436R002700024N	NAT	3,88	5,7	5,7	2,30	R-M5	Chios
24	ALVANOS R.	EL1436R002900025N	NAT	3,90	13,3	13,3	5,00	R-M5	Chios

No	WB Name	WB Code	Cate- gory	Length (km)	Immediate River Basin (km ²)	Cumulative River Basin (km ²)	Mean Annual Runoff (hm ³)	Type	Island
25	DIPOTAMOS R.	EL1436R003100026N	NAT	5,08	13,1	13,1	4,19	R-M5	Chios
26	FANOPYRGON R.	EL1436R003300027H	HMWB	5,95	59,2	59,2	6,85	R-M5	Chios
27	ACHYRONA R. (LOUTRA)	EL1436R003500029N	NAT	13,47	41,8	41,8	12,08	R-M5	Chios
28	VOLISSOS	EL1436R003900031N	NAT	8,46	11,6	11,6	3,77	R-M5	Chios
29	AG.MARKELA R.	EL1436R004100032N	NAT	1,56	21,2	21,2	7,04	R-M5	Chios
30	IMVRESOS R.	EL1436R004300037N	NAT	2,31	44,9	44,9	14,98	R-M5	Samos
31	KATSAITI R.	EL1436R009900002N	NAT	2,85	4,8	4,8	0,58	R-M5	Limnos
32	ASPROPOTAMOS	EL1436R009900003N	NAT	2,06	15,3	15,3	4,99	R-M5	Lesvos
33	LAGKADA R. (ALMYROPOTAMOS)	EL1436R009900004N	NAT	7,24	30,9	30,9	7,24	R-M5	Lesvos
34	ALMYROPOTAMOS	EL1436R009900005N	NAT	4,24	26,2	26,2	6,14	R-M1	Lesvos
35	KRYO NERO R.	EL1436R009900006N	NAT	6,91	10,1	10,1	2,73	R-M1	Lesvos
36	ACHLADERIS P.	EL1436R009900007N	NAT	3,83	6,5	6,5	1,78	R-M5	Lesvos
37	VOUVARIS P.	EL1436R009900008N	NAT	9,71	25,4	25,4	8,29	R-M1	Lesvos
38	MYLOPOTAMOS	EL1436R009900009N	NAT	7,13	48,2	48,2	14,48	R-M5	Lesvos
39	TSIKNIAS P.	EL1436R009900010N	NAT	14,81	64,2	64,2	22,41	R-M5	Lesvos
40	ENNIA KAMARES R.	EL1436R009900011N	NAT	2,30	17,1	17,1	4,73	R-M1	Lesvos
41	POTAMIA	EL1436R009900012N	NAT	2,80	29,8	29,8	10,99	R-M5	Lesvos
42	TAXIARCHIS PARAKOILON	EL1436R009900013N	NAT	5,48	18,9	18,9	6,58	R-M1	Lesvos
43	CHALANTRA R.	EL1436R009900014H	HMWB	5,30	30,5	57,4	10,51	R-M5	Lesvos
44	CHALARIS P.	EL1436R009900015N	NAT	7,04	12,0	20,9	6,34	R-M1	Ikaria
45	CHARAKOU R.	EL1436R009900016N	NAT	5,65	8,6	8,6	4,04	R-M1	Ikaria
46	MYRSONOS P.	EL1436R009900017N	NAT	3,58	10,2	10,2	5,38	R-M1	Ikaria
47	POTAMI R.	EL1436R009900018N	NAT	4,10	11,2	11,2	2,57	R-M5	Samos
48	AMFIFYSSOS P.	EL1436R009900019N	NAT	12,74	22,6	22,6	10,21	R-M5	Samos
Cyclades RB (EL1437)									
49	MEGALO REMA	EL1437R000100074N	NAT	3,63	19,7	19,7	4,592329	R-M1	Andros
50	TAGER LAGKADI R.	EL1437R000300075N	NAT	3,51	38,8	38,8	5,185874	R-M5	Tinos
51	POTAMOS TIS KATAKOILOU	EL1437R009900020N	NAT	1,85	14,9	14,9	3,419475	R-M1	Andros
52	ARNIS R.	EL1437R009900021N	NAT	5,63	13,8	13,8	3,17445	R-M1	Andros
53	VARIDI R. (ACHLA)	EL1437R009900022N	NAT	11,64	16,8	16,8	4,521082	R-M1	Andros
54	AFOURSES R.	EL1437R009900023N	NAT	6,74	12,7	12,7	3,69949	R-M1	Andros
55	MEGALOS POTAMOS	EL1437R009900024N	NAT	5,71	28,5	28,5	6,384657	R-M1	Andros
56	GARINO VRYSI	EL1437R009900025N	NAT	9,96	36,3	36,3	9,870058	R-M1	Naxos
Dodecanese Islands RB (EL1438)									
57	ARAGKI R.	EL1438R000100038N	NAT	1,92	10,6	10,6	1,24	R-M5	Kos
58	LOUTANIS R.	EL1438R000201045N	NAT	4,60	18,4	63,0	10,43	R-M5	Rodos
59	LOUTANIS R.	EL1438R000201046N	NAT	7,81	44,6	44,6	7,38	R-M5	Rodos
60	KOLOVRECHTIS R.	EL1438R000300039N	NAT	3,20	16,9	16,9	3,29	R-M5	Rodos
61	GADOURAS P.	EL1438R000401058H	HMWB	10,43	41,9	189,7	39,46	R-M5	Rodos
62	GADOURAS P.	EL1438R000401059N	NAT	1,27	5,9	5,9	1,23	R-M5	Rodos
63	GADOURAS P.	EL1438R000402062N	NAT	4,96	16,3	16,3	3,40	R-M5	Rodos
64	GADOURAS P.	EL1438R000403063N	NAT	5,90	53,0	53,0	11,02	R-M5	Rodos
65	GADOURAS P.	EL1438R000404064N	NAT	4,56	53,9	53,9	11,21	R-M1	Rodos
66	PLATYS R.	EL1438R000500040N	NAT	9,25	31,1	31,1	5,38	R-M5	Rodos
67	SIANITIS P.	EL1438R000600073H	HMWB	7,60	57,7	106,0	13,15	R-M5	Rodos
68	PETALOUDES R.	EL1438R000700042N	NAT	8,78	17,7	17,7	3,29	R-M5	Rodos
69	KARAVAS R.	EL1438R000900043N	NAT	5,82	17,8	17,8	3,90	R-M5	Rodos
70	PELEMONIS R.	EL1438R001100044N	NAT	4,36	34,7	34,7	6,79	R-M5	Rodos
71	MAKARIS	EL1438R001301048N	NAT	3,70	51,8	67,7	16,77	R-M5	Rodos

No	WB Name	WB Code	Cate- gory	Length (km)	Immediate River Basin (km ²)	Cumulative River Basin (km ²)	Mean Annual Runoff (hm ³)	Type	Island
72	MAKARIS	EL1438R001301049N	NAT	13,66	16,0	16,0	3,95	R-M5	Rodos
73	FONIAS R.	EL1438R001501065N	NAT	15,79	62,2	62,2	7,29	R-M5	Rodos
74	KIPIRIONAS R.	EL1438R001701067N	NAT	5,36	10,5	46,9	6,67	R-M5	Rodos
75	KIPIRIONAS R.	EL1438R001701068N	NAT	7,59	36,4	36,4	5,18	R-M5	Rodos
76	ASKLIPINOS P.	EL1438R001900069N	NAT	11,07	41,4	41,4	6,50	R-M5	Rodos
77	KOLONITIS R.	EL1438R002100070N	NAT	7,88	29,7	29,7	5,81	R-M5	Rodos
78	LACHANIA R.	EL1438R002300071N	NAT	5,40	21,1	21,1	2,95	R-M5	Rodos
79	CHOCHLAKAS R.	EL1438R002500072N	NAT	5,11	30,3	30,3	2,71	R-M5	Rodos
80	KREMASTEIKOS R.	EL1438R009900026N	NAT	3,42	23,9	23,9	6,77	R-M5	Rodos
81	ARGYROS R.	EL1438R009900027N	NAT	4,48	37,1	37,1	7,72	R-M5	Rodos

NAT.: Natural WB, HMWB: Heavily Modified WB

Table 4-3 River HMWBs of lake type (reservoirs) of Aegean Islands RBD (EL14)

No	WB Name	WB Code	Category	Area (km ²)	Perimeter (km)	Type	Island
Eastern Aegean RB (EL1436)							
1	T.L. ERESSOY	EL1436RL00000002H	HMWB	0,20	3,25	L-M 5/7	Lesvos
2	T.L. KALAMOTIS-KATRARI	EL1436RL00000003H	HMWB	0,13	2,39	L-M8	Chios
3	T.L. RACHON-PEZIOY	EL1436RL00000004H	HMWB	0,10	1,90	GR-SR	Ikaria
Cyclades RB (EL1437)							
4	T.L. MARATHIA	EL1437RL00000007H	HMWB	0,30	4,20	GR-SR	Mykonos
5	T.L. FANEROMENIS	EL1437RL00000008H	HMWB	0,10	1,90	L-M 5/7	Naxos
6	T.L. ANO MERAS	EL1437RL00000011H	HMWB	0,11	2,81	GR-SR	Mykonos
Dodecanese Islands RB (EL1438)							
7	T.L. LEIBADIOY	EL1438RL00000005H	HMWB	0,09	2,16	GR-SR	Astipalaia
8	T.L. GADOYRA	EL1438RL00000006H	HMWB	4,57	29,77	L-M 5/7	Rodos
9	T.L. APOLAKKIAS	EL1438RL00000013H	HMWB	0,52	5,84	L-M 5/7	Rodos

HMWB: Heavily Modified WB

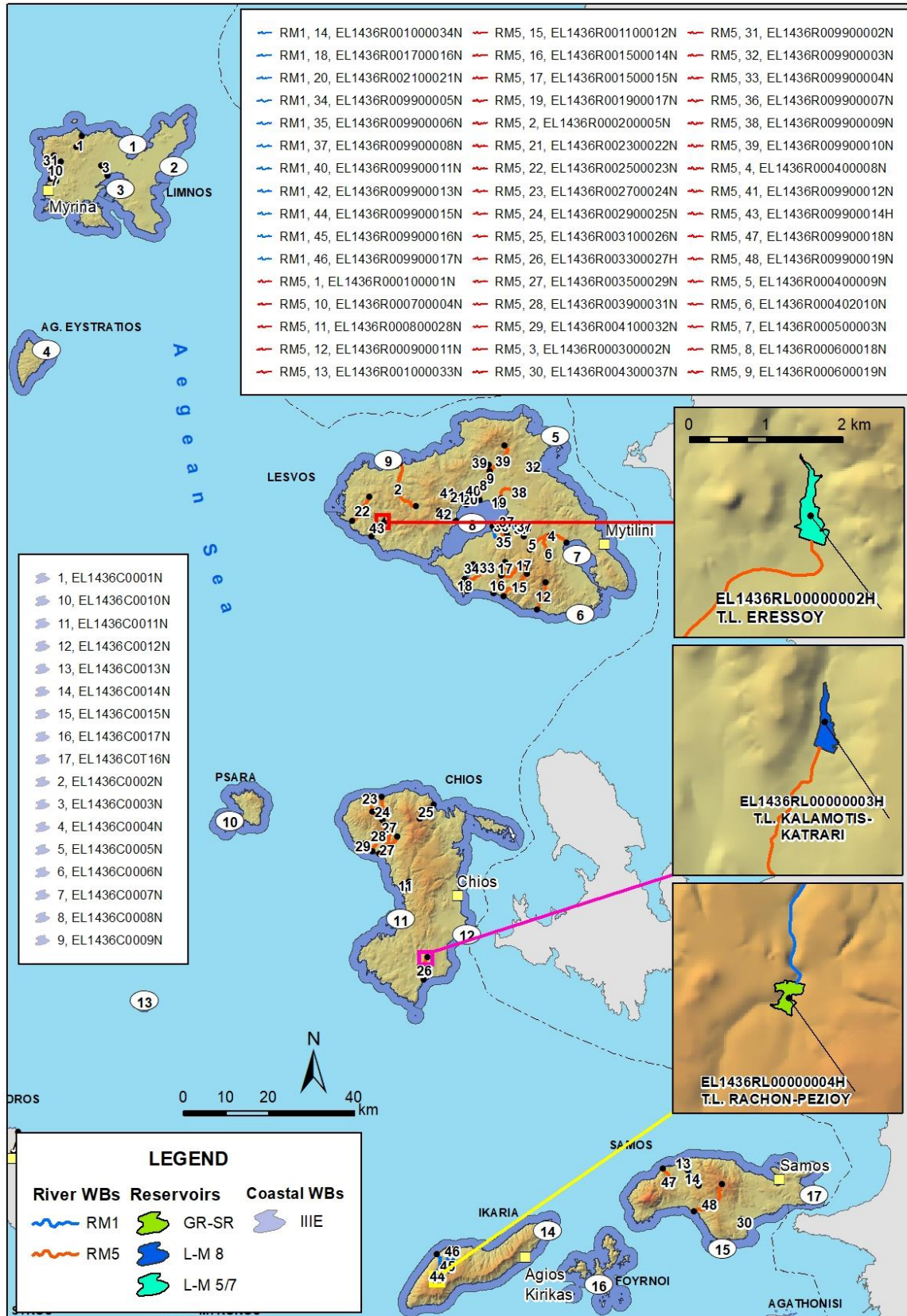
At the Aegean Islands RBD no Lake and Transitional WBs were identified

Table 4-4 Coastal WBs of Aegean Islands RBD (EL14)

No	WB Name	WB Code	Category	Area (km ²)	Perimeter (km)	Type
Eastern Aegean RB (EL1436)						
1	AKTES LIMNOY	EL1436C0001N	NAT	302,08	411,99	IIIE
2	AKTES ALYKIS	EL1436C0002N	NAT	41,48	52,48	IIIE
3	KOLPOS MOYDROY (LIMNOS)	EL1436C0003N	NAT	29,35	47,00	IIIE
4	AKTES AG. EYSTRATIOY	EL1436C0004N	NAT	71,20	99,70	IIIE
5	ELLINIKES AKTES DIAYLOY LESBOY	EL1436C0005N	NAT	146,22	176,83	IIIE
6	AKTES NOTIOY LESBOY	EL1436C0006N	NAT	182,97	249,53	IIIE
7	KOLPOS GERAS (LESBOS)	EL1436C0007N	NAT	40,96	46,44	IIIE
8	KOLPOS KALLONIS (LESBOS)	EL1436C0008N	NAT	107,66	61,07	IIIE
9	AKTES DYT. LESBOY	EL1436C0009N	NAT	147,40	197,72	IIIE
10	AKTES PSARON	EL1436C0010N	NAT	99,46	138,58	IIIE
11	DYT. BOREIES AKTES CHIOY	EL1436C0011N	NAT	271,20	383,98	IIIE
12	AKTES DIAYLOY CHIOY	EL1436C0012N	NAT	142,03	218,40	IIIE
13	NISIDA_1	EL1436C0013N	NAT	16,12	15,26	IIIE
14	AKTES IKARIAS	EL1436C0014N	NAT	181,78	272,28	IIIE

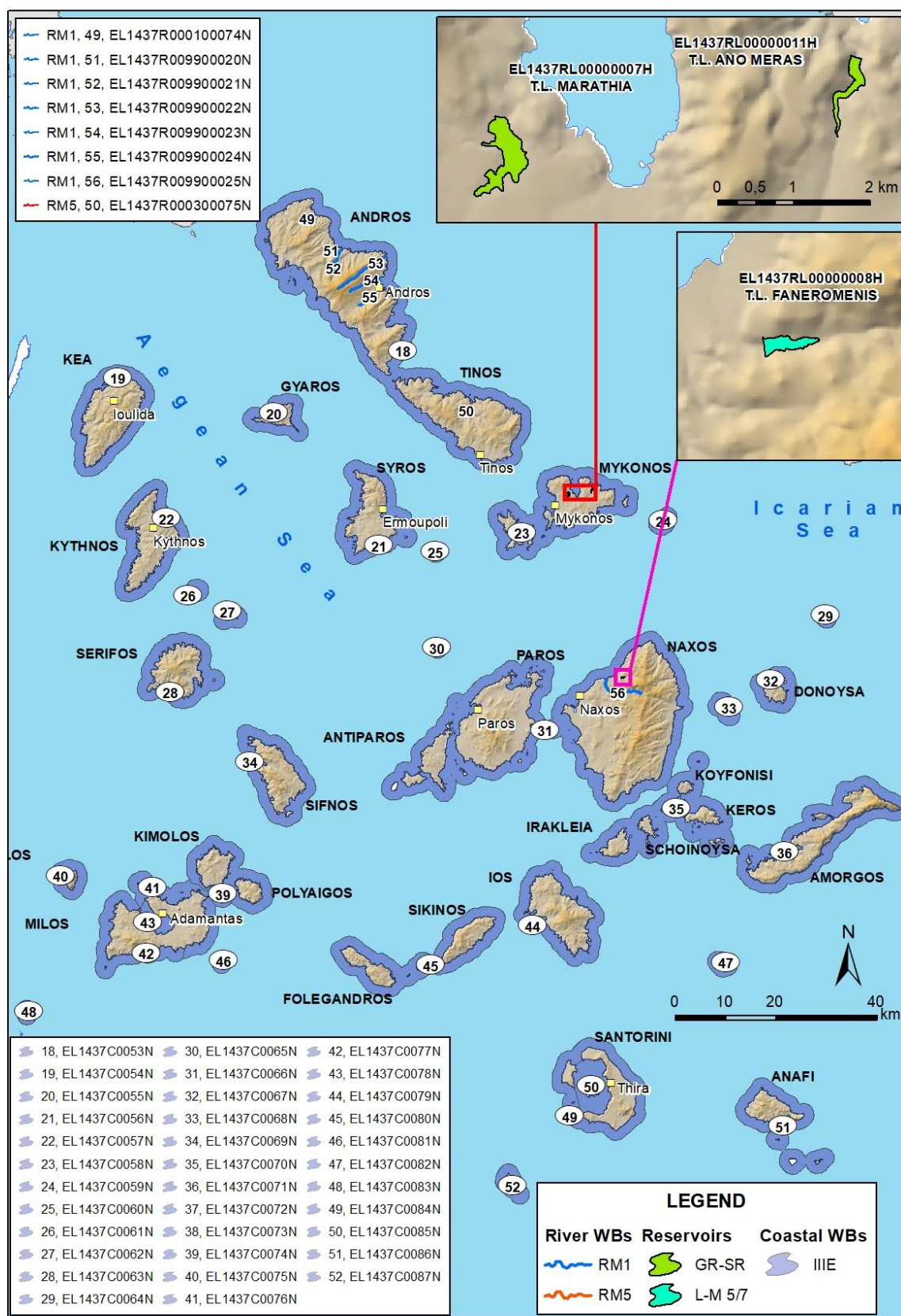
No	WB Name	WB Code	Category	Area (km ²)	Perimeter (km)	Type
15	AKTES SAMOY	EL1436C0015N	NAT	224,38	310,68	IIIE
16	AKTES FOYRNON	EL1436C0017N	NAT	185,92	256,75	IIIE
17	AKTES SAMOY	EL1436C0T16N	NAT	44,65	74,42	IIIE
Cyclades RB (EL1437)						
18	AKTES ANDROY - TINOY	EL1437C0053N	NAT	398,44	640,40	IIIE
19	AKTES KEAS	EL1437C0054N	NAT	109,89	171,84	IIIE
20	AKTES GYAROY	EL1437C0055N	NAT	62,15	75,53	IIIE
21	AKTES SYROY	EL1437C0056N	NAT	127,02	199,64	IIIE
22	AKTES KYTHNOY	EL1437C0057N	NAT	124,18	209,03	IIIE
23	AKTES MYKONOIY	EL1437C0058N	NAT	203,41	308,56	IIIE
24	NISIDA_13	EL1437C0059N	NAT	21,74	23,98	IIIE
25	NISIDA_4	EL1437C0060N	NAT	11,83	12,83	IIIE
26	NISIDA_8	EL1437C0061N	NAT	15,41	16,87	IIIE
27	AKTES SERIFOPOYLAS	EL1437C0062N	NAT	24,26	26,84	IIIE
28	AKTES SERIFOY	EL1437C0063N	NAT	105,24	156,38	IIIE
29	NISIDA_6	EL1437C0064N	NAT	12,87	13,95	IIIE
30	NISIDA_3	EL1437C0065N	NAT	11,50	12,43	IIIE
31	AKTES PARO-NAXIAS	EL1437C0066N	NAT	488,39	691,18	IIIE
32	AKTES DONOYSAS	EL1437C0067N	NAT	51,58	79,65	IIIE
33	AKTES MEGALONISIOY	EL1437C0068N	NAT	28,71	33,06	IIIE
34	AKTES SIFNOY	EL1437C0069N	NAT	107,20	159,37	IIIE
35	AKTES KOYFONISION	EL1437C0070N	NAT	236,14	290,81	IIIE
36	AKTES AMORGOY	EL1437C0071N	NAT	197,83	285,90	IIIE
37	AKTES N. MEGALO LIBADI	EL1437C0072N	NAT	18,00	19,57	IIIE
38	NISIDA_12	EL1437C0073N	NAT	20,89	24,17	IIIE
39	AKTES KIMOLOY	EL1437C0074N	NAT	104,95	166,79	IIIE
40	AKTES ANTIMILOY	EL1437C0075N	NAT	34,49	39,84	IIIE
41	BOREIES ANATOL. AKTES MILOY	EL1437C0076N	NAT	83,68	140,86	IIIE
42	NOTIES - DYTIKES AKTES MILOY	EL1437C0077N	NAT	82,99	140,44	IIIE
43	KOLPOS ADAMANTA (MILOS)	EL1437C0078N	NAT	24,67	36,58	IIIE
44	AKTES IOY	EL1437C0079N	NAT	119,75	188,09	IIIE
45	AKTES SIKINOY - FOLEGANDROY	EL1437C0080N	NAT	168,39	217,38	IIIE
46	NISIDA_2	EL1437C0081N	NAT	11,20	12,10	IIIE
47	AKTES ANYDROY	EL1437C0082N	NAT	21,35	24,61	IIIE
48	NISIDA_9	EL1437C0083N	NAT	16,04	17,28	IIIE
49	EXOTERIKES AKTES KALDERAS SANTORINIS	EL1437C0084N	NAT	115,08	135,75	IIIE
50	KALDERA SANTORINIS	EL1437C0085N	NAT	60,18	59,09	IIIE
51	AKTES ANAFIS	EL1437C0086N	NAT	125,61	143,28	IIIE
52	NISIDA_15	EL1437C0087N	NAT	32,11	31,68	IIIE
Dodecanese Islands RB (EL1438)						
53	AKTES AGATHONISIOY	EL1438C0018N	NAT	66,84	88,13	IIIE
54	AKTES N. ANYDROY	EL1438C0019N	NAT	27,85	29,89	IIIE
55	AKTES LEIPSON - ARKON	EL1438C0020N	NAT	180,76	226,10	IIIE
56	AKTES PATMOY	EL1438C0021N	NAT	108,34	151,53	IIIE
57	AKTES FARMAKONISIOY	EL1438C0022N	NAT	29,62	39,07	IIIE
58	AKTES LEROY - KALYMNOY - B. KO	EL1438C0023N	NAT	476,43	646,78	IIIE
59	AKTES KALOLIMNOY	EL1438C0024N	NAT	46,35	46,77	IIIE
60	AKTES LEBITHA	EL1438C0025N	NAT	103,31	132,37	IIIE
61	AKTES N. KO	EL1438C0026N	NAT	99,19	121,06	IIIE
62	ANAT. AKTES NISYROY	EL1438C0027N	NAT	83,97	97,86	IIIE
63	DYT. AKTES NISYROY	EL1438C0028N	NAT	62,80	71,79	IIIE
64	AKTES ASTYPALAIAS	EL1438C0029N	NAT	225,88	310,76	IIIE
65	AKTES OFIDOYSAS	EL1438C0030N	NAT	28,81	32,80	IIIE
66	AKTES SYMIS	EL1438C0031N	NAT	145,75	202,40	IIIE
67	AKTES KANDELIOYSSA	EL1438C0032N	NAT	20,39	22,28	IIIE

No	WB Name	WB Code	Category	Area (km ²)	Perimeter (km)	Type
68	AKTES N. ADELFOI	EL1438C0033N	NAT	24,59	22,98	IIIE
69	ANAT. AKTES TILOY	EL1438C0034N	NAT	66,46	94,63	IIIE
70	DYT. AKTES TILOY	EL1438C0035N	NAT	77,50	108,20	IIIE
71	BOREIES AKTES RODOY - CHALKIS	EL1438C0036N	NAT	244,67	255,59	IIIE
72	ANAT. AKTES RODOY	EL1438C0037N	NAT	217,49	293,23	IIIE
73	DYT. AKTES RODOY	EL1438C0038N	NAT	99,63	119,71	IIIE
74	AKTES NOTIAS CHALKIS	EL1438C0039N	NAT	42,15	66,25	IIIE
75	AKTES SYRNA	EL1438C0040N	NAT	84,75	84,22	IIIE
76	AKTES KASTELORIZOY	EL1438C0041N	NAT	70,50	98,36	IIIE
77	AKTES N. SOFRANA	EL1438C0042N	NAT	30,32	32,58	IIIE
78	NISIDA_7	EL1438C0043N	NAT	14,48	14,62	IIIE
79	NISIDA_5	EL1438C0044N	NAT	11,93	12,93	IIIE
80	NISIDA_14	EL1438C0045N	NAT	30,66	30,94	IIIE
81	ANAT. AKTES KARPATHOY	EL1438C0046N	NAT	174,86	255,24	IIIE
82	DYT. AKTES KARPATHOY	EL1438C0047N	NAT	140,00	216,72	IIIE
83	NISIDA_16	EL1438C0048N	NAT	11,87	12,84	IIIE
84	NISIDA_10	EL1438C0049N	NAT	19,21	21,07	IIIE
85	NISIDA_11	EL1438C0050N	NAT	19,56	21,49	IIIE
86	BOREIES AKTES KASOY	EL1438C0051N	NAT	102,18	120,28	IIIE
87	NOTIES AKTES KASOY	EL1438C0052N	NAT	51,42	81,72	IIIE



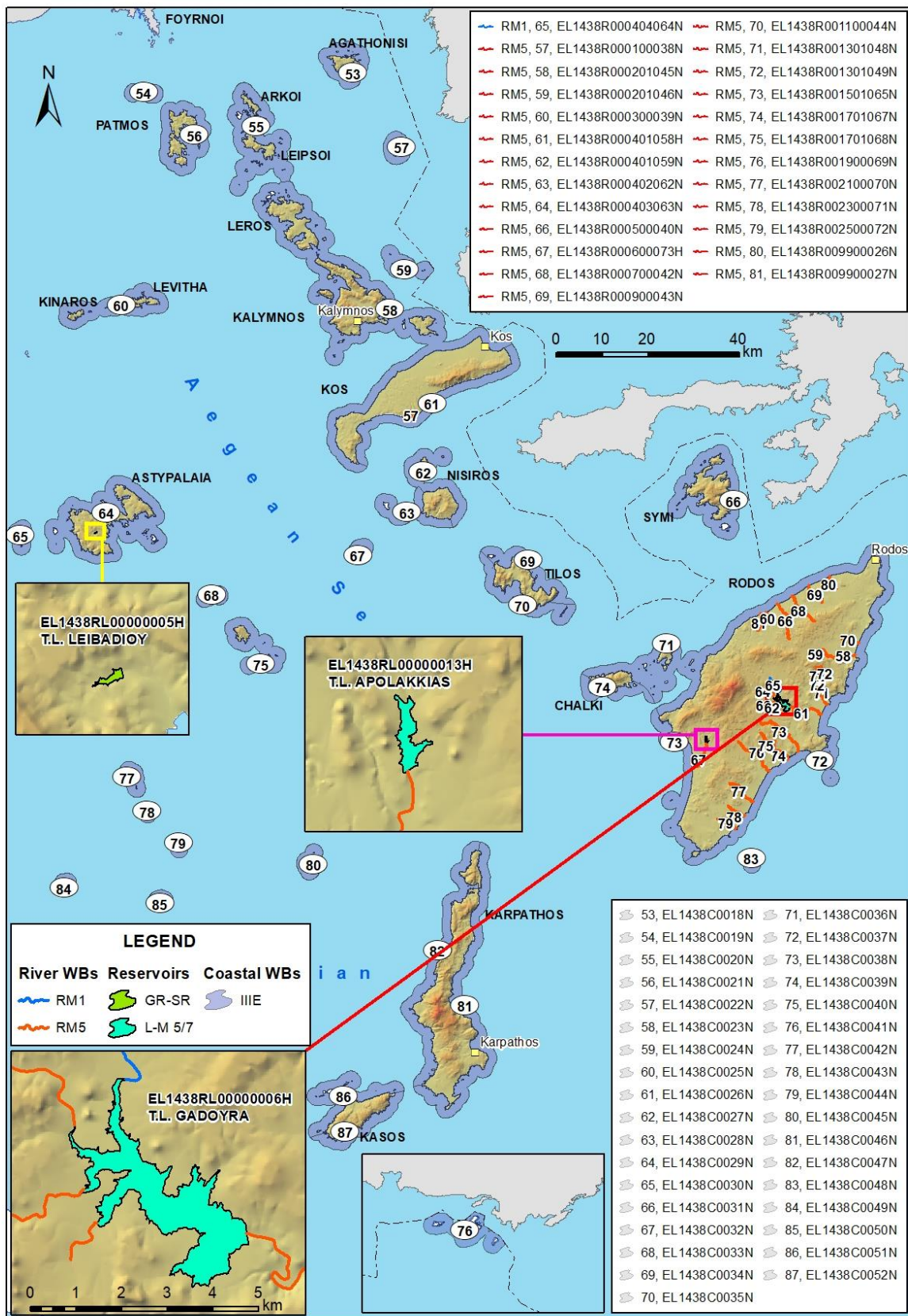
Map 4-1

Surface WBs of RB EL1436 of Aegean Islands RBD (EL14)



Map 4-2

Surface WBs of RB EL1437 of Aegean Islands RBD (EL14)



Map 4-3

Surface WBs of RB EL1438 of Aegean Islands RBD (EL14)

4.2 Groundwater Bodies

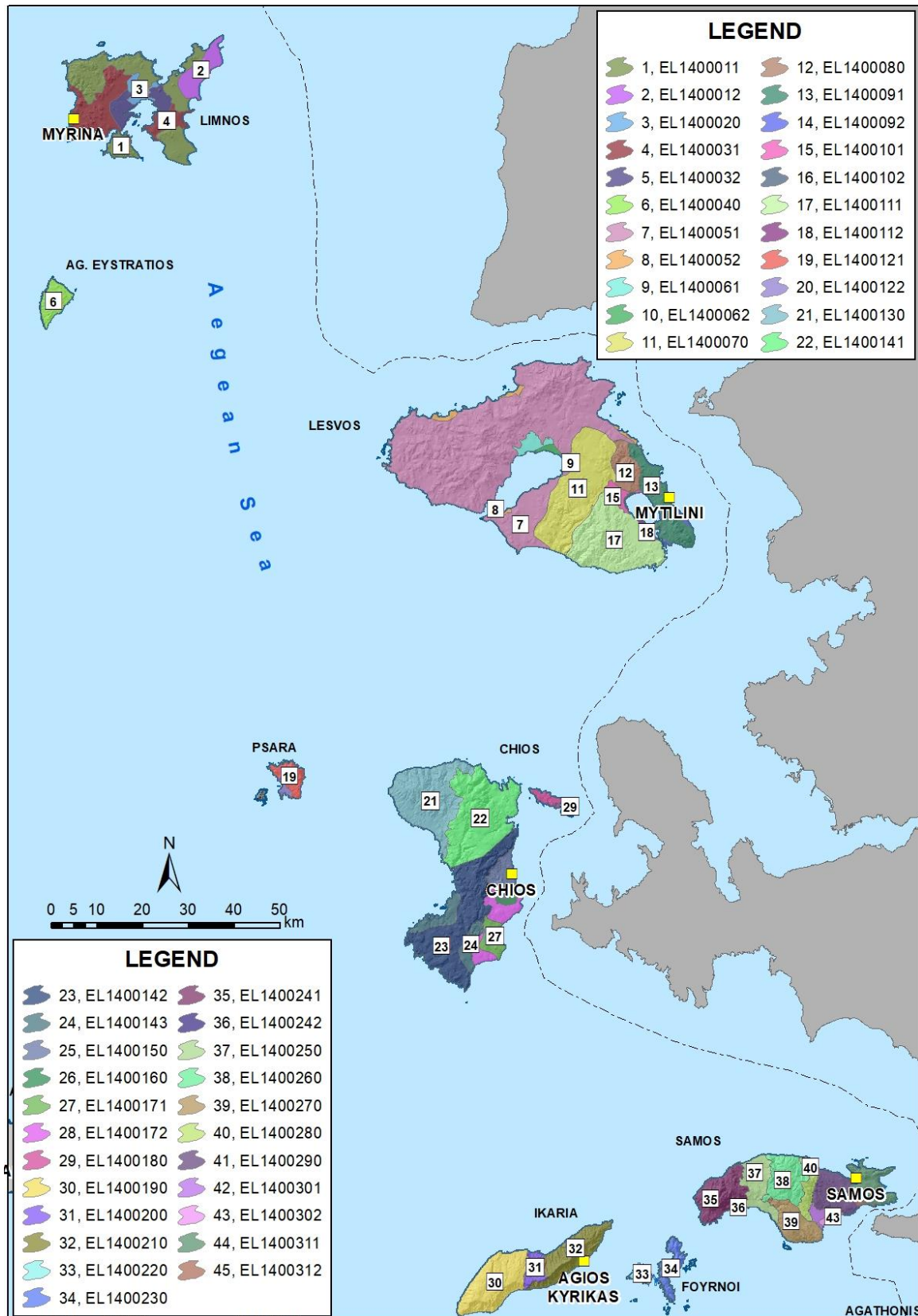
Under the 1st Revision of the RBMP, the originally identified GWBs were reviewed.

Table 4-5 Ground Waterbodies of Aegean Islands RBD (EL14)

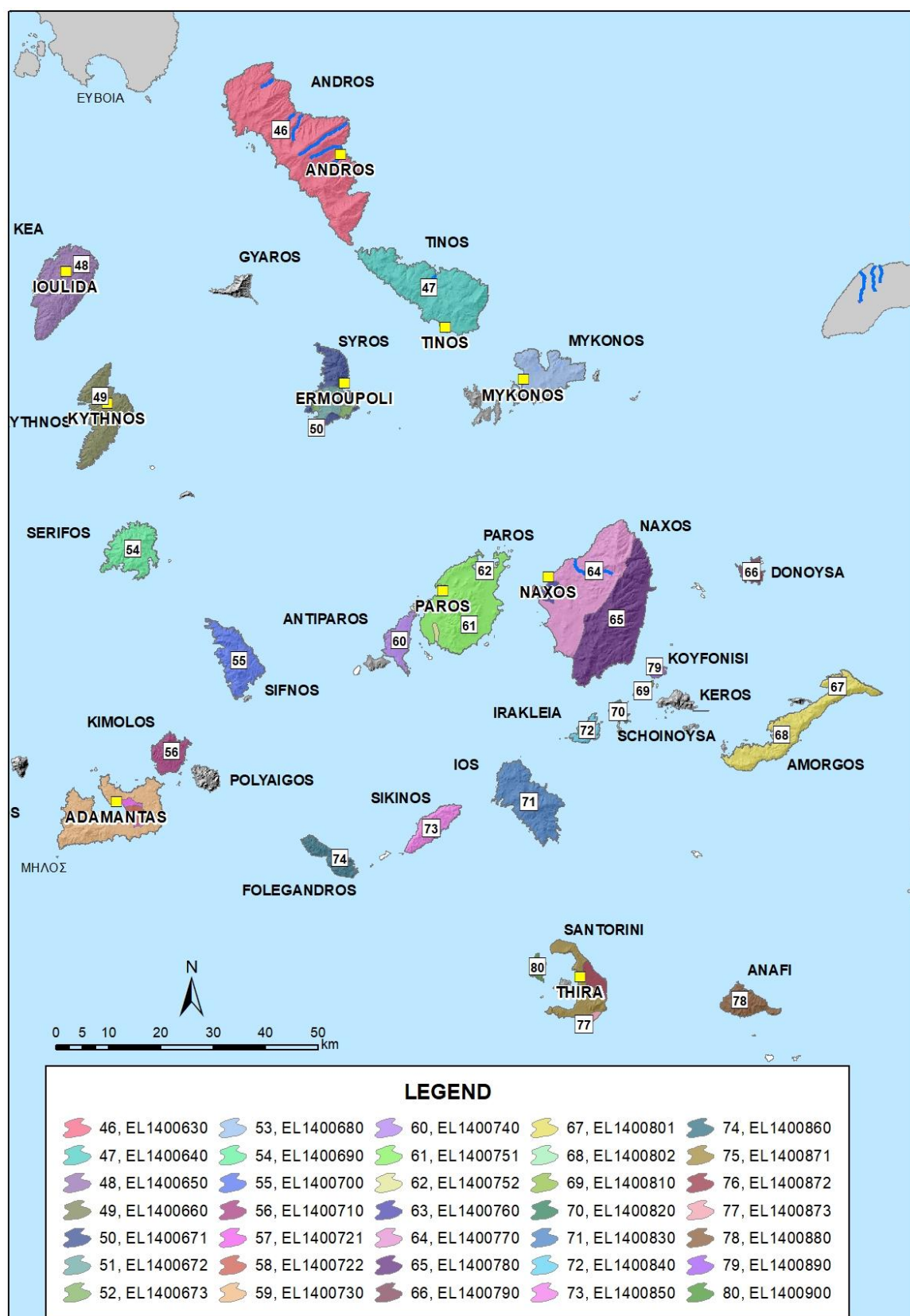
No	Island	GWB Code	GWB Name	Area (km ²)
Eastern Aegean RB (EL1436)				
1	Limnos	EL1400011	SYSTIMA FLYSCHIKON SCHIMATISMON (A), N.LIMNOS	210,70
2	Limnos	EL1400012	SYSTIMA FLYSCHIKON SCHIMATISMON (G), N.LIMNOS	54,20
3	Limnos	EL1400020	SYSTIMA AERODROMIOY (A), N.LIMNOS	23,62
4	Limnos	EL1400031	SYSTIMA IFAISTEIAKON SCHIMATISMON (A), N.LIMNOS	139,59
5	Limnos	EL1400032	SYSTIMA IFAISTEIAKON SCHIMATISMON (B), N.LIMNOS	47,06
6	Ag.Eystratios	EL1400040	SYSTIMA AGIOY EYSTRATIOY, N. AG. EYSTRATIOS	41,39
7	Lesvos	EL1400051	SYSTIMA IFAISTEIAKON KENTRIKIS & DYTIKIS LESBOY (A), N.LESBOS	929,32
8	Lesvos	EL1400052	SYSTIMA IFAISTEIAKON KENTRIKIS & DYTIKIS LESBOY (B), N.LESBOS	17,96
9	Lesvos	EL1400061	SYSTIMA KALLONIS (A), N.LESBOS	23,52
10	Lesvos	EL1400062	SYSTIMA KALLONIS (G), N.LESBOS	6,84
11	Lesvos	EL1400070	SYSTIMA OFIOLITHIKOY SYMPLEGMATOS, N.LESBOS	244,12
12	Lesvos	EL1400080	SYSTIMA LARSOY, N.LESBOS	49,67
13	Lesvos	EL1400091	SYSTIMA MYTILINIS (A), N.LESBOS	104,52
14	Lesvos	EL1400092	SYSTIMA MYTILINIS (B), N.LESBOS	6,00
15	Lesvos	EL1400101	SYSTIMA GERA (A), N.LESBOS	14,16
16	Lesvos	EL1400102	SYSTIMA GERA (G), N.LESBOS	2,20
17	Lesvos	EL1400111	SYSTIMA SEDOYNIA - PLOMARIOY (A), N.LESBOS	228,27
18	Lesvos	EL1400112	SYSTIMA SEDOYNIA - PLOMARIOY (B), N.LESBOS	4,67
19	Psara	EL1400121	SYSTIMA ACHLADOKAMPOY - LIMNOY (A), N.PSARA	33,13
20	Psara	EL1400122	SYSTIMA ACHLADOKAMPOY - LIMNOY (B), N.PSARA	5,63
21	Chios	EL1400130	SYSTIMA BD/KIS CHIOY, N.CHIOS	188,47
22	Chios	EL1400141	SYSTIMA KARDAMYLON (A), N.CHIOS	230,60
23	Chios	EL1400142	SYSTIMA NOTIOY CHIOY (A), N.CHIOS	234,28
24	Chios	EL1400143	NOTIOY CHIOY (B), N.CHIOS	57,77
25	Chios	EL1400150	SYSTIMA KORAKARI, N.CHIOS	43,10
26	Chios	EL1400160	SYSTIMA KAMPOY, N.CHIOS	8,32
27	Chios	EL1400171	SYSTIMA KALAMOTIS - NENITA (A), N.CHIOS	32,09
28	Chios	EL1400172	SYSTIMA KALAMOTIS - NENITA (B), N.CHIOS	47,32
29	Oinousses	EL1400180	SYSTIMA OINOYSON, N.OINOYSES	16,60
30	Ikaria	EL1400190	SYSTIMA RACHON, N.IKARIAS	131,21
31	Ikaria	EL1400200	SYSTIMA EYDILOY, N.IKARIAS	27,90
32	Ikaria	EL1400210	SYSTIMA AG. KIRYKOY, N.IKARIAS	95,02
33	Thymaina	EL1400220	SYSTIMA THYMAINAS, N.THYMAINA	10,01
34	Fournoi	EL1400230	SYSTIMA FOYRNON, N.FOYRNOI	29,93
35	Samos	EL1400241	SYSTIMA KERKETEIA (A), N. SAMOS	88,54
36	Samos	EL1400242	SYSTIMA KERKETEIA (B), N. SAMOS	0,53
37	Samos	EL1400250	SYSTIMA YDROYSAS - MARATHOKAMPOY, N.SAMOS	65,06
38	Samos	EL1400260	SYSTIMA KARBOYNI, N.SAMOS	77,10
39	Samos	EL1400270	SYSTIMA IMBRESSOY, N.SAMOS	62,69
40	Samos	EL1400280	SYSTIMA BOYRLIOTON - MYLON, N.SAMOS	30,74
41	Samos	EL1400290	SYSTIMA MYTILINION - CHORAS, N.SAMOS	71,88
42	Samos	EL1400301	SYSTIMA KAMPOY CHORAS (A), N.SAMOS	11,93
43	Samos	EL1400302	SYSTIMA KAMPOY CHORAS (B), N.SAMOS	6,86
44	Samos	EL1400311	SYSTIMA BATHEOS, N.SAMOS	57,75
45	Samos	EL1400312	SYSTIMA MESOKAMPOY, N.SAMOS	2,79
Cyclades RB (EL1437)				
46	Andros	EL1400630	SYSTIMA ANDROY, N.ANDROS	378,95

No	Island	GWB Code	GWB Name	Area (km ²)
47	Tinos	EL1400640	SYSTIMA TINOY, N.TINOS	194,76
48	Kea	EL1400650	SYSTIMA KEAS, N.KEA	131,67
49	Kythnos	EL1400660	SYSTIMA KYTHNOY, N.KYTHNOS	98,86
50	Syros	EL1400671	SYSTIMA SYROY (A), N.SYROS	47,02
51	Syros	EL1400672	SYSTIMA SYROY (B), N.SYROS	24,95
52	Syros	EL1400673	SYSTIMA SYROY (G), N.SYROS	12,08
53	Mykonos	EL1400680	SYSTIMA AERODROMIOY - ANO MERA, N.MYKONOS	86,32
54	Serifos	EL1400690	SYSTIMA NOCHTIAS, N.SERIFOS	72,46
55	Sifnos	EL1400700	SYSTIMA PROFITI ILIA - ARTEMONA, N.SIFNOS	76,19
56	Kimolos	EL1400710	SYSTIMA KIMOLOY, N.KIMOLOS	37,47
57	Milos	EL1400721	SYSTIMA ZEFYRIAS (A), N.MILOS	7,90
58	Milos	EL1400722	SYSTIMA ZEFYRIAS (B), N.MILOS	7,39
59	Milos	EL1400730	SYSTIMA MILOY, N.MILOS	142,08
60	Antiparos	EL1400740	SYSTIMA KAMPOY - AG. GEORGIOY (A), N.ANTIPAROS	34,54
61	Paros	EL1400751	SYSTIMA MARATHIOY (A), N.PAROS	191,65
62	Paros	EL1400752	SYSTIMA MARATHIOY (B), N.PAROS	3,89
63	Naxos	EL1400760	SYSTIMA LIBADIOY, N.NAXOS	11,35
64	Naxos	EL1400770	SYSTIMA KENTRIKIS NAXOY - KOYROY, N.NAXOS	213,97
65	Naxos	EL1400780	SYSTIMA ANATOLIKIS NAXOY, N.NAXOS	203,39
66	Donousa	EL1400790	SYSTIMA DONOYSAS, N.DONOYSA	13,35
67	Amorgos	EL1400801	SYSTIMA KATAPOLON (A), N.AMORGOS	119,46
68	Amorgos	EL1400802	SYSTIMA KATAPOLON (B), N.AMORGOS	0,64
69	Kato Koufonisi	EL1400810	SYSTIMA KATO KOYFONISIOY, N.KOYFONISI	3,90
70	Shoinousa	EL1400820	SYSTIMA SCHOINOYSAS, N.SCHOINOYSA	8,04
71	Ios	EL1400830	SYSTIMA CHORAS, N.IOS	108,34
72	Irakleia	EL1400840	SYSTIMA IRAKLEIAS, N.IRAKLEIA	18,08
73	Sikinos	EL1400850	SYSTIMA SIKINOY, N.SIKINOS	41,33
74	Folegandos	EL1400860	SYSTIMA FOLEGANDROY, N.FOLEGANDROS	32,09
75	Thira	EL1400871	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (A), N.THIRA	54,59
76	Thira	EL1400872	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (B), N.THIRA	17,84
77	Thira	EL1400873	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (G), N.THIRA	3,52
78	Anafi	EL1400880	SYSTIMA ANAFIS, N.ANAFI	38,19
79	Koufonisi	EL1400890	SYSTIMA KOYFONISIOY, N.KOYFONISI	5,72
80	Thirasia	EL1400900	SYSTIMA THIRASIAS, N.THIRASIA	9,23
Dodecanese Islands RB (EL1438)				
81	Pserimos	EL1400910	SYSTIMA PSERIMIOY, N.PSERIMOS	14,63
82	Agathonisi	EL1400320	SYSTIMA AGATHONISIOY, N.AGATHONISI	13,40
83	Arkoi	EL1400330	SYSTIMA ARKION, N.ARKOI	6,64
84	Leipsoi	EL1400341	SYSTIMA PANAGIAS - MOSCHATOY (A), N.LEIPSOI	7,93
85	Leipsoi	EL1400342	SYSTIMA PANAGIAS - MOSCHATOY (B), N.LEIPSOI	7,84
86	Patmos	EL1400350	SYSTIMA NEROMYLION, N.PATMOS	33,77
87	Leros	EL1400361	SYSTIMA LEROY (A), N.LEROS	51,33
88	Leros	EL1400362	SYSTIMA LEROY (B), N.LEROS	2,57
89	Kalymnos	EL1400370	SYSTIMA POTHEIAS, N.KALYMNOS	12,67
90	Kalymnos	EL1400380	SYSTIMA BATHEOS, N.KALYMNOS	32,49
91	Kalymnos	EL1400390	SYSTIMA KALYMNOY, N.KALYMNOS	65,27
92	Kos	EL1400400	SYSTIMA BOREIOY TMIMATOS N.KOS	53,51
93	Kos	EL1400410	SYSTIMA ANTIMACHEIAS-KEFALOY, N.KOS	143,49
94	Kos	EL1400420	SYSTIMA KEFALOBRYSSIS - ZIAS, N.KOS	17,72
95	Kos	EL1400430	SYSTIMA DIKAILOY, N.KOS	66,27
96	Kos	EL1400440	SYSTIMA KARDAMAINAS, N.KOS	6,19
97	Nisyros	EL1400450	SYSTIMA NISYROY, N.NISYROS	41,14
98	Astipalaia	EL1400461	SYSTIMA LINOPOTIOY (A), N.ASTYPALAIA	44,75
99	Astipalaia	EL1400462	SYSTIMA LINOPOTIOY (B), N.ASTYPALAIA	0,94
100	Astipalaia	EL1400470	SYSTIMA ASTYPALAIAS, N.ASTYPALAIA	50,41
101	Tilos	EL1400480	SYSTIMA TILOY, N.TILOS	61,53
102	Symi	EL1400490	SYSTIMA SYMIS, N.SYMI	57,70

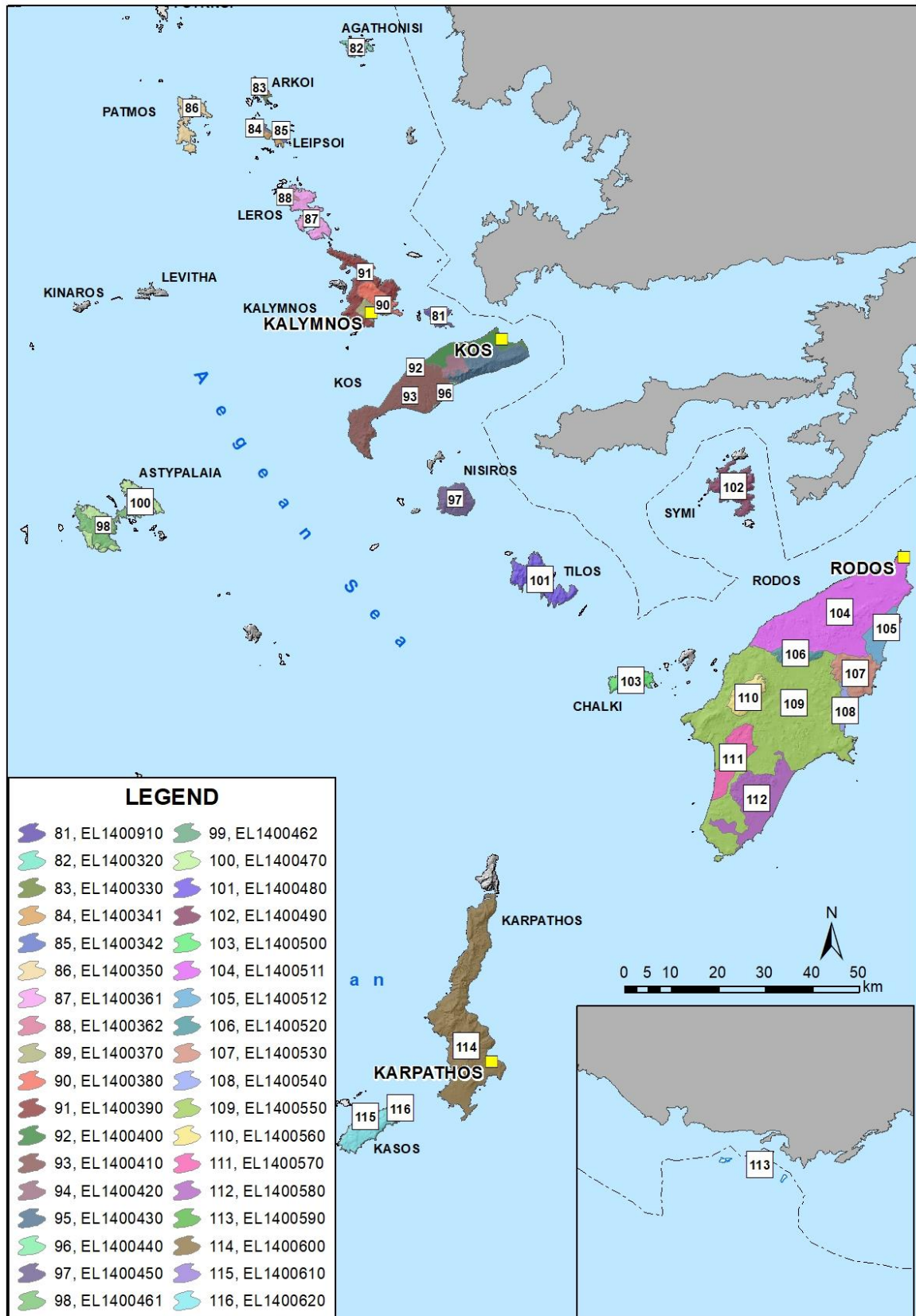
No	Island	GWB Code	GWB Name	Area (km ²)
103	Xalki	EL1400500	SYSTIMA CHALKIS, N. CHALKIS	27,34
104	Rodos	EL1400511	SYSTIMA BOREIOY TMIMATOS RODOY (A), N. RODOS	355,91
105	Rodos	EL1400512	SYSTIMA BOREIOY TMIMATOS RODOY (B), N. RODOS	45,22
106	Rodos	EL1400520	SYSTIMA PROF. ILIA - SALAKOY, N.RODOS	23,82
107	Rodos	EL1400530	SYSTIMA EPTA PIGON, N.RODOS	67,12
108	Rodos	EL1400540	SYSTIMA KALATHOY - GADOYRA, N.RODOS	22,25
109	Rodos	EL1400550	SYSTIMA KENTRIKIS RODOY, N.RODOS	648,73
110	Rodos	EL1400560	SYSTIMA ATTABYROY, N.RODOS	40,89
111	Rodos	EL1400570	SYSTIMA APOLAKKIAS, N.RODOS	67,73
112	Rodos	EL1400580	SYSTIMA GENNADIOY, N.RODOS	132,33
113	Kastelorizo	EL1400590	SYSTIMA MEGISTIS, N.KASTELLORIZO	9,28
114	Karpathos	EL1400600	SYSTIMA KENTRIKIS KARPATHOY, N.KARPATOS	300,17
115	Kasos	EL1400610	SYSTIMA AGIAS MARINAS - EMPOREIOY, N.KASOS	8,32
116	Kasos	EL1400620	SYSTIMA KASOY, N.KASOS	57,26



Map 4-4 Groundwater Bodies of RB EL1436 of Aegean Islands RBD (EL14)



Map 4-5 Groundwater Bodies of RB EL1437 of Aegean Islands RBD (EL14)



Map 4-6

Groundwater Bodies of RB EL1438 of Aegean Islands RBD (EL14)

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

Applying the HMWB and AWB identification methodology to Aegean Islands RBD, **15 HMWBs (9 reservoirs and 6 River WBs) were originally identified. Finally, 13 HMWBs (9 reservoirs and 4 River WBs) were identified** in a total of **177 SWBs**. No Coastal WBs were identified as HMWBs and no AWBs were identified.

Table 4-6 Summary data for HMWBs in Aegean Islands RBD (EL14)

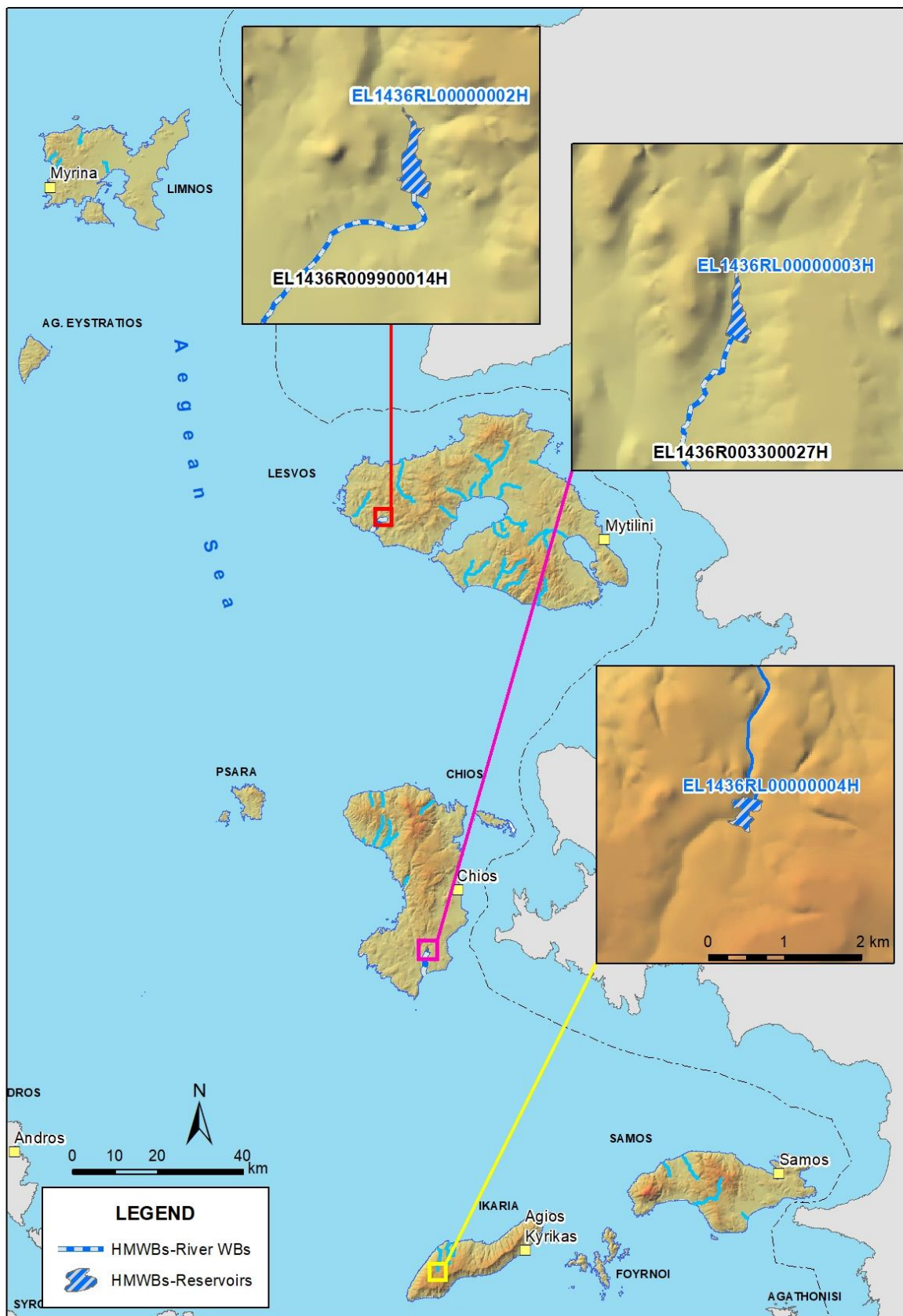
WB Type	HMWBs		AWBs	
	WBs No	Area- Length Coverage (%)	WBs No	Area- Length Coverage (%)
Lake WBs	0	0%	0	0%
River WBs (no reservoirs)	4	6,1%	0	0%
Reservoirs (River HMWBs)	9	100%	0	0%
Transitional WBs	0	0%	0	0%
Coastal WBs	0	0%	0	0%

The water bodies which were finally identified as Heavily Modified are presented below for every River Basin of Aegean Islands RBD (EL14).

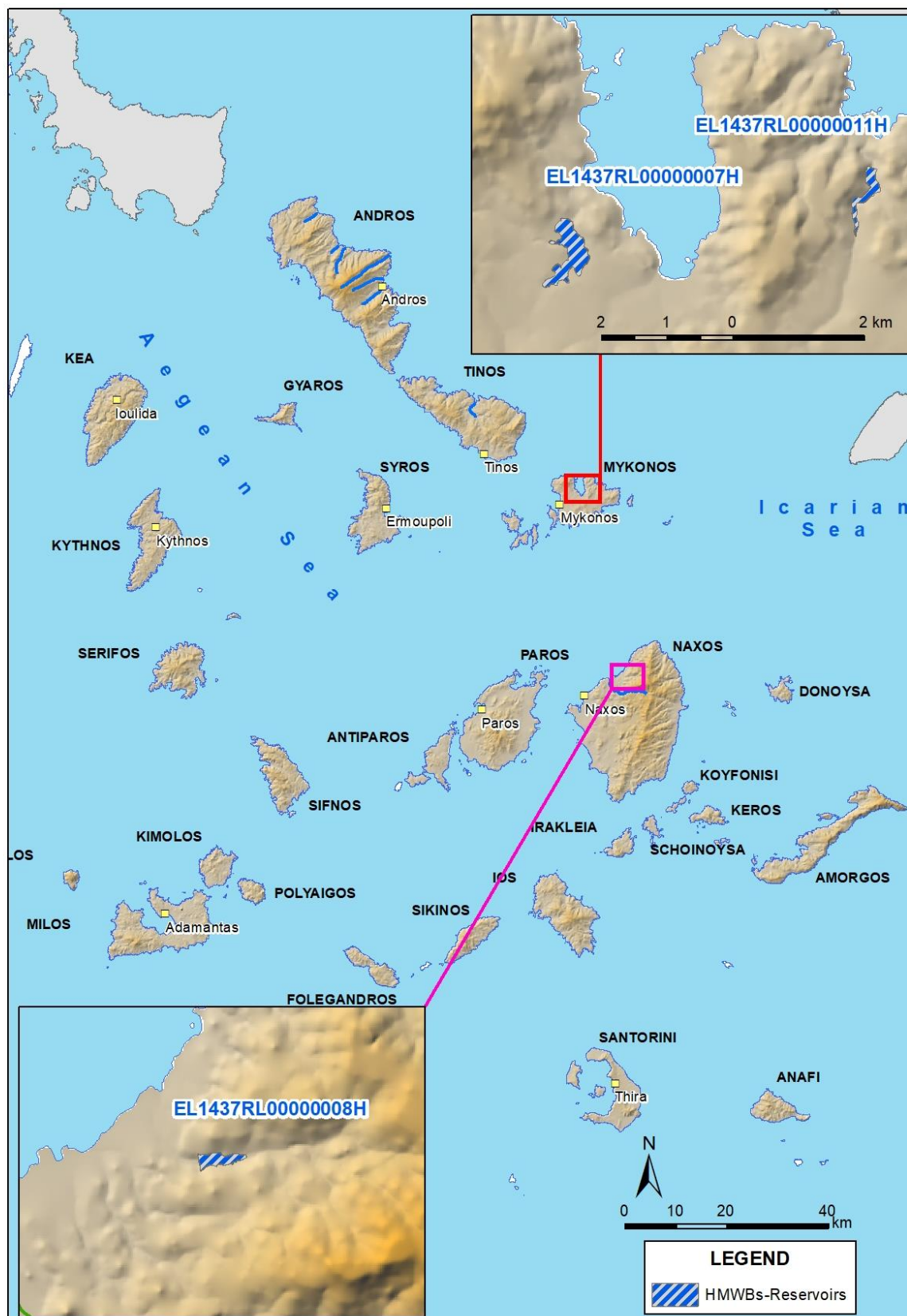
Table 4-7 Heavily Modified WBs of Aegean Islands RBD (EL14)

HMWB Code	HMWB Name	Type	Length/ Area (km/km ²)	Designated Use
Eastern Aegean RB (EL1436)				
EL1436RL00000002H	T.L. ERESSOY	L-M 5/7	0,2	Irrigation, public water supply (in the future), electrical power generation (in the future)
EL1436R009900014H	CHALANTRA R.	R-M5	5,3	Flood protection, irrigation, public water supply and electrical power generation from the upstream reservoir T.L. ERESSOY
EL1436RL00000003H	T.L. KALAMOTIS-KATRARI	L-M8	0,13	Irrigation, public water supply
EL1436R003300027H	FANOPYRGON R.	R-M5	5,95	Irrigation, public water supply from the upstream reservoir T.L. KALAMOTIS-KATRARI
EL1436RL00000004H	T.L. RACHON-PEZIOY	GR-SR	0,1	Irrigation, public water supply, electrical power generation (in the future)
Cyclades RB (EL1437)				
EL1437RL00000007H	T.L. MARATHIA	GR-SR	0,3	Public water supply
EL1437RL00000008H	T.L. FANEROMENIS	L-M 5/7	0,1	Irrigation, public water supply
EL1437RL00000011H	T.L. ANO MERAS	GR-SR	0,11	Public water supply
Dodecanese Islands RB (EL1438)				
EL1438RL00000005H	T.L. LEIBADIOY	GR-SR	0,09	Irrigation, public water supply

HMWB Code	HMWB Name	Type	Length/ Area (km/km ²)	Designated Use
EL1438RL00000006H	T.L. GADOYRA	L-M 5/7	4,57	Public water supply
EL1438R000401058H	GADOURAS P.	R-M5	10,44	Public water supply from the upstream reservoir T.L. GADOURA
EL1438RL000000013H	T.L. APOLAKKIAS	L-M 5/7	0,52	Irrigation, public water supply (in the future)
EL1438R000600073H	SIANITIS P.	R-M5	7,6	Irrigation, public water supply from the upstream reservoir T.L. APOLAKKIAS

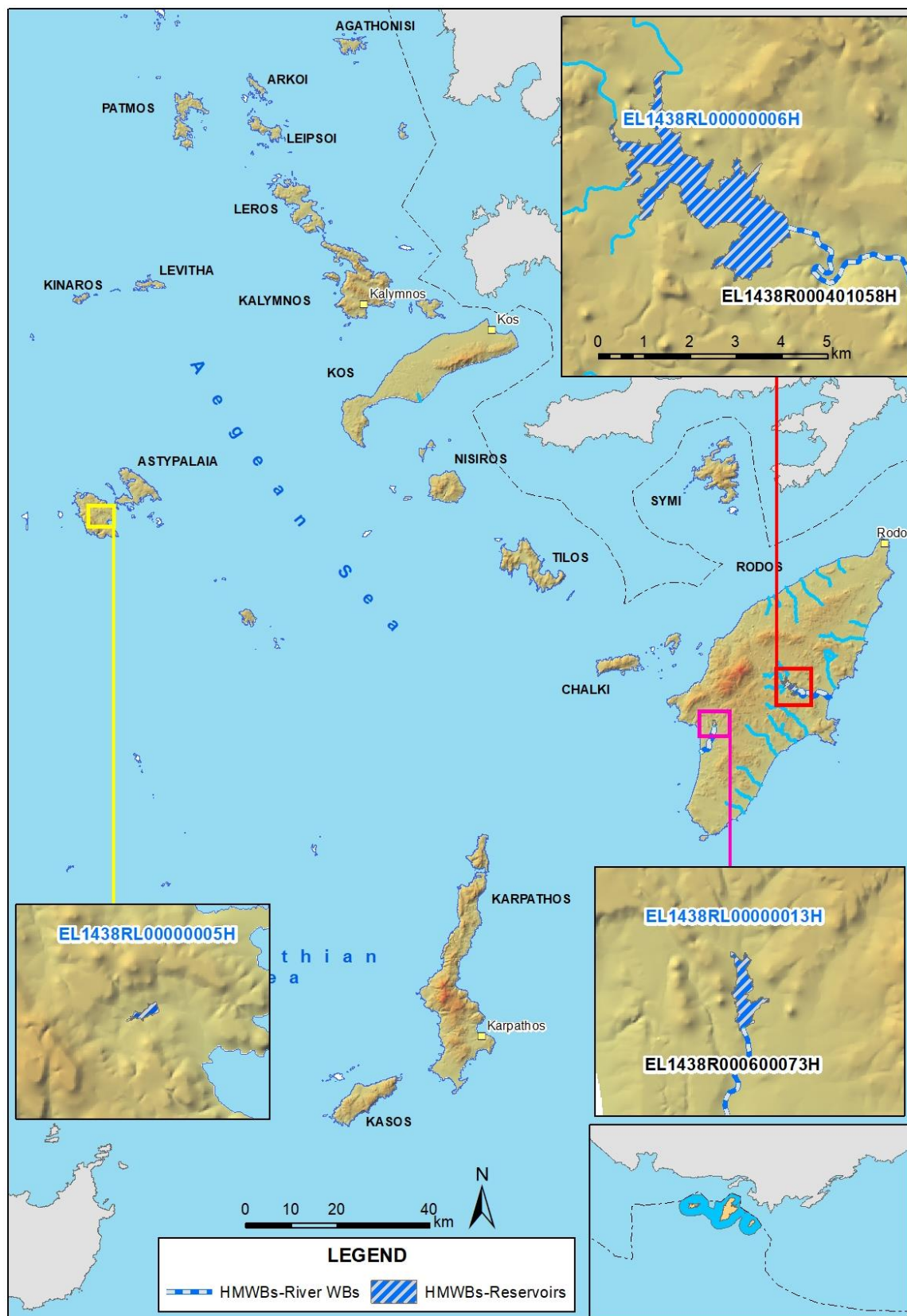


Map 4-7 HMWBs of RB EL1436 of Aegean Islands RBD (EL14)



Map 4-8

HMWBs of RB EL1437 of Aegean Islands RBD (EL14)



Map 4-9 HMWBs of RB EL1437 of Aegean Islands RBD (EL14)

4.4 Protected Areas

According to the Article 6 of the Directive 2000/60/EC, Member States have to ensure the establishment of a register of all areas lying within each river basin district which have been designated as requiring special protection under specific Community legislation for the protection of their surface water and groundwater or for the conservation of habitats and species directly depending on water

This register (Register of Protected Areas- RPA), includes all the water bodies which are identified by Annex V of Presidential Decree 51/2007.

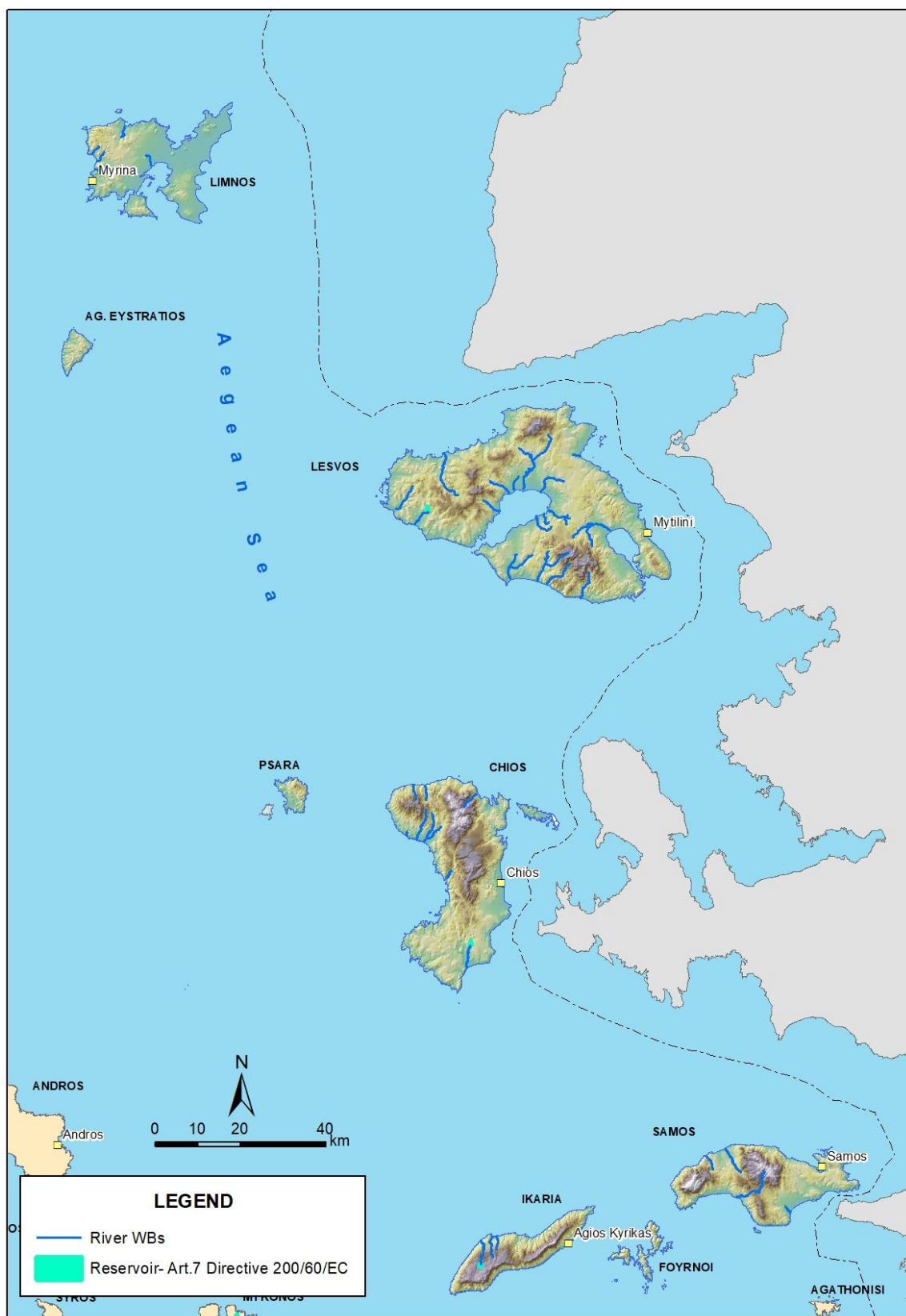
The Register of Protected Areas includes, according to the Annex V of Presidential Decree 51/2007 the following types of protected areas:

Areas designated for the abstraction of water intended for human consumption, according to Article 7 of Presidential Decree 51/2007 (Article 7 of the Directive 2000/60/EC)

Table 4-8 Areas designated for the abstraction of water intended for human consumption

No	Area Code	Category	WB code	WB Name
RB Anatolikou Aigaiou (EL1436)				
1	EL1436RL00000002HA7	Reservoir	EL1436RL00000002H	T.L. ERESSOY
2	EL1436RL00000003HA7	Reservoir	EL1436RL00000003H	T.L. KALAMOTIS-KATRARI
3	EL1436RL00000004HA7	Reservoir	EL1436RL00000004H	T.L. RACHON-PEZIOY
RB Kykladon (EL1437)				
4	EL1437RL00000007HA7	Reservoir	EL1437RL00000007H	T.L. MARATHIA
5	EL1437RL00000008HA7	Reservoir	EL1437RL00000008H	T.L. FANEROMENIS
6	EL1437RL00000011HA7	Reservoir	EL1437RL00000011H	T.L. ANO MERAS
RB Dodekanison (EL1438)				
7	EL1438RL00000005HA7	Reservoir	EL1438RL00000005H	T.L. LEIBADIOY
8	EL1438RL00000006HA7	Reservoir	EL1438RL00000006H	T.L. GADOYRA
9	EL1438RL00000013HA7	Reservoir	EL1438RL00000013H	T.L. APOLAKKIAS

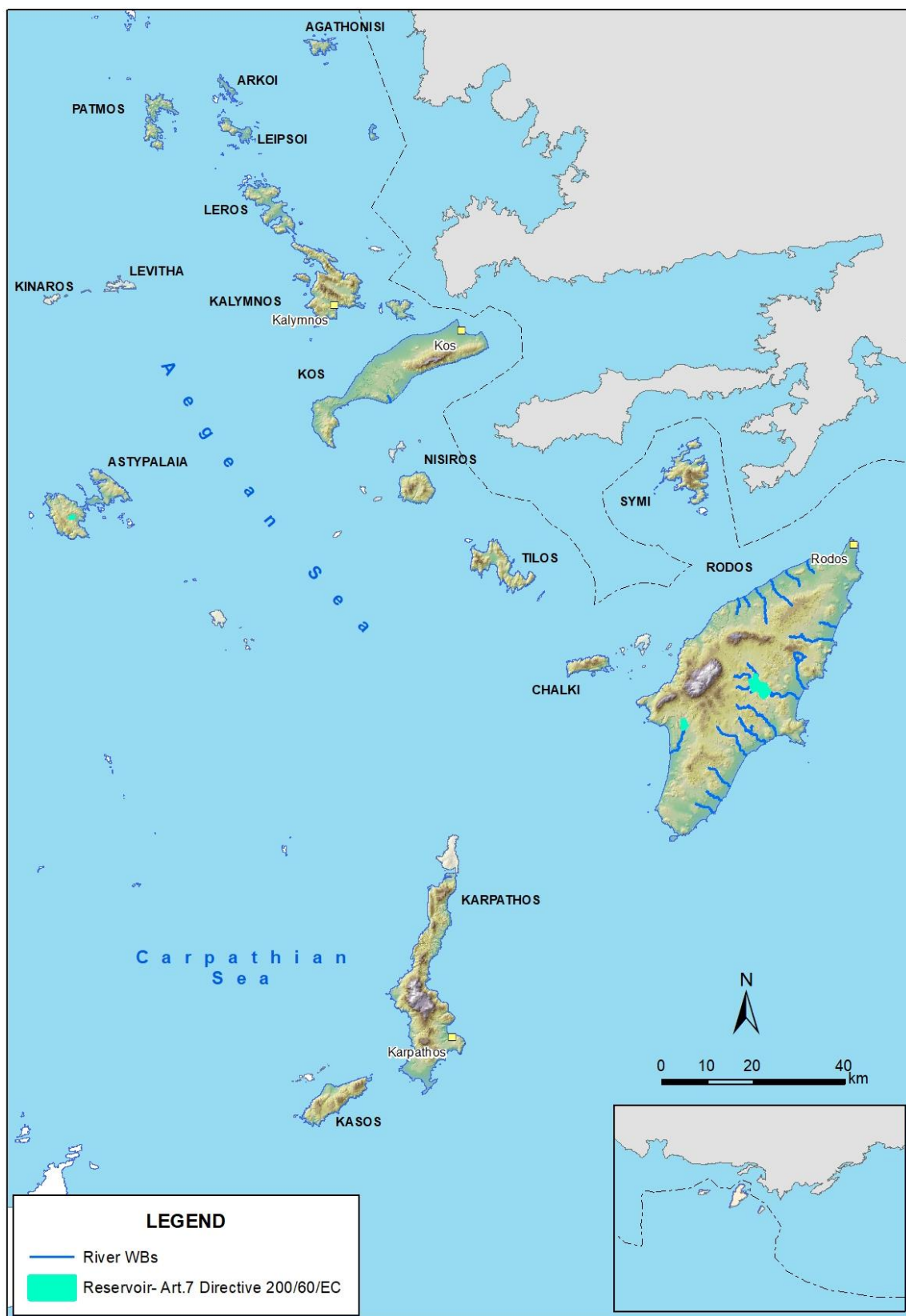
Due to the special character of the Aegean islands (small islands with GWBs covering their entire surface), GWBs are not included in the RPA. The protection of water extracted from GWBs for human consumption is ensured by the measures and protection zones at abstraction points level.



Map 4-10 WBs designated for the abstraction of water intended for human consumption (Article 7 of Directive 2000/60 / EC) of RB EL1436 of Aegean Islands RBD (EL14)



Map 4-11 WBs designated for the abstraction of water intended for human consumption (Article 7 of Directive 2000/60 / EC) of RB EL1437 of Aegean Islands RBD (EL14)



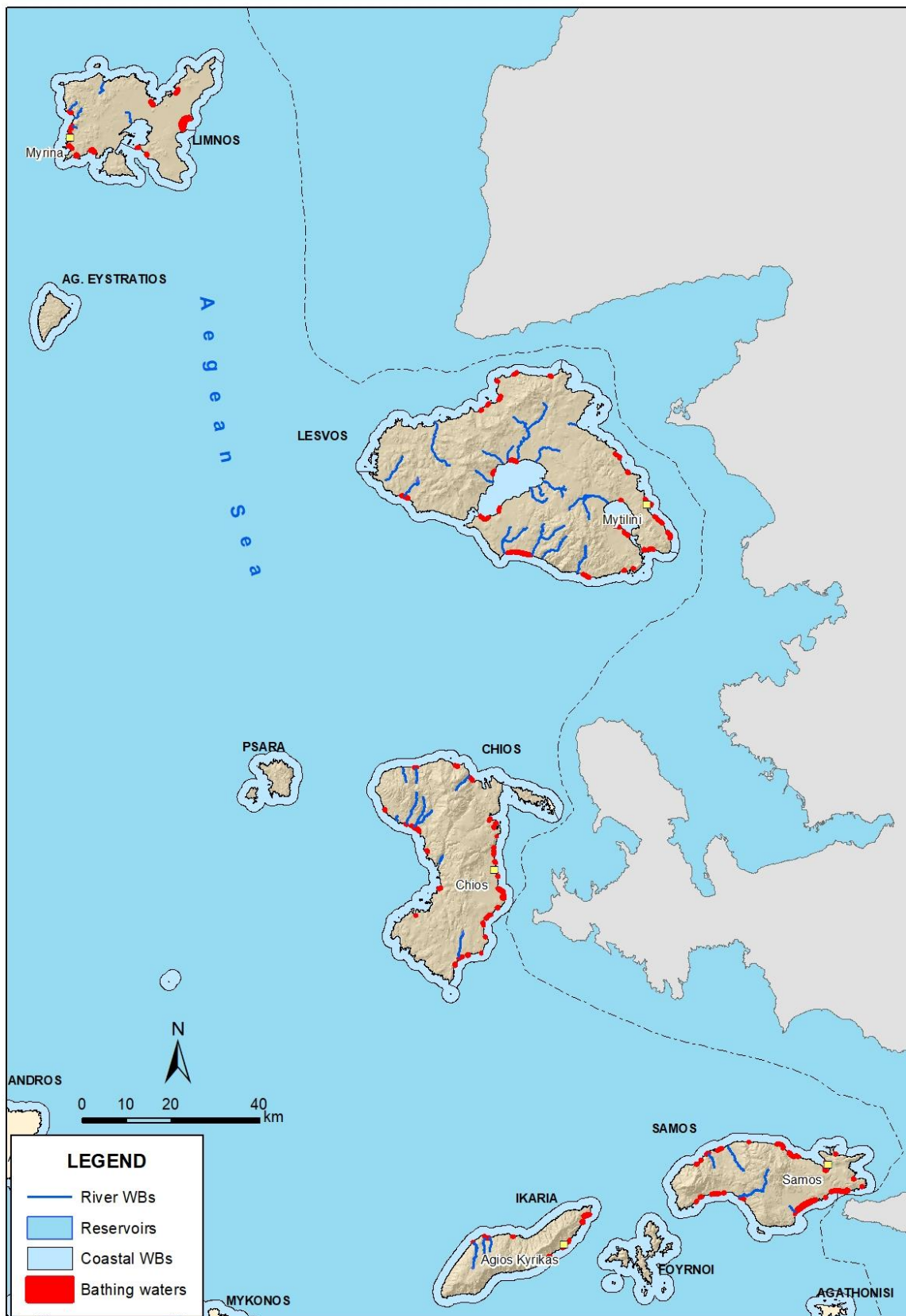
Map 4-12 WBs designated for the abstraction of water intended for human consumption (Article 7 of Directive 2000/60 / EC) of RB EL1438 of Aegean Islands RBD (EL14)

Water Bodies designated as recreational waters including areas designated as bathing waters

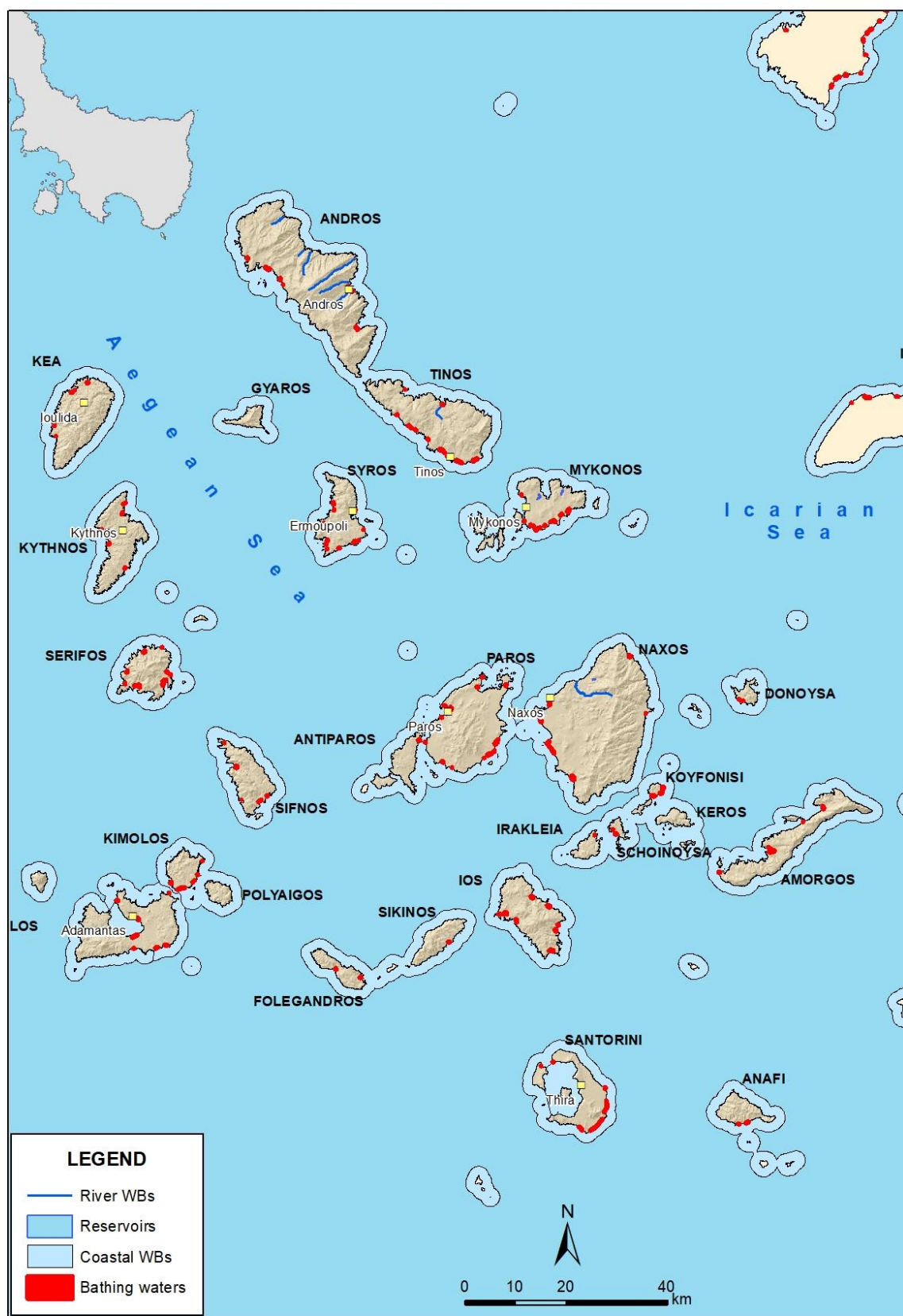
According to the Bathing Water Register (SSW, 2016) at Aegean Islands RBD (EL14) 405 bathing water areas were designated in 2016 at 49 Coastal WBs.

According to the Monitoring Program (2015), from the 405 bathing water areas, 403 were of excellent quality and 2 were of at least sufficient quality.

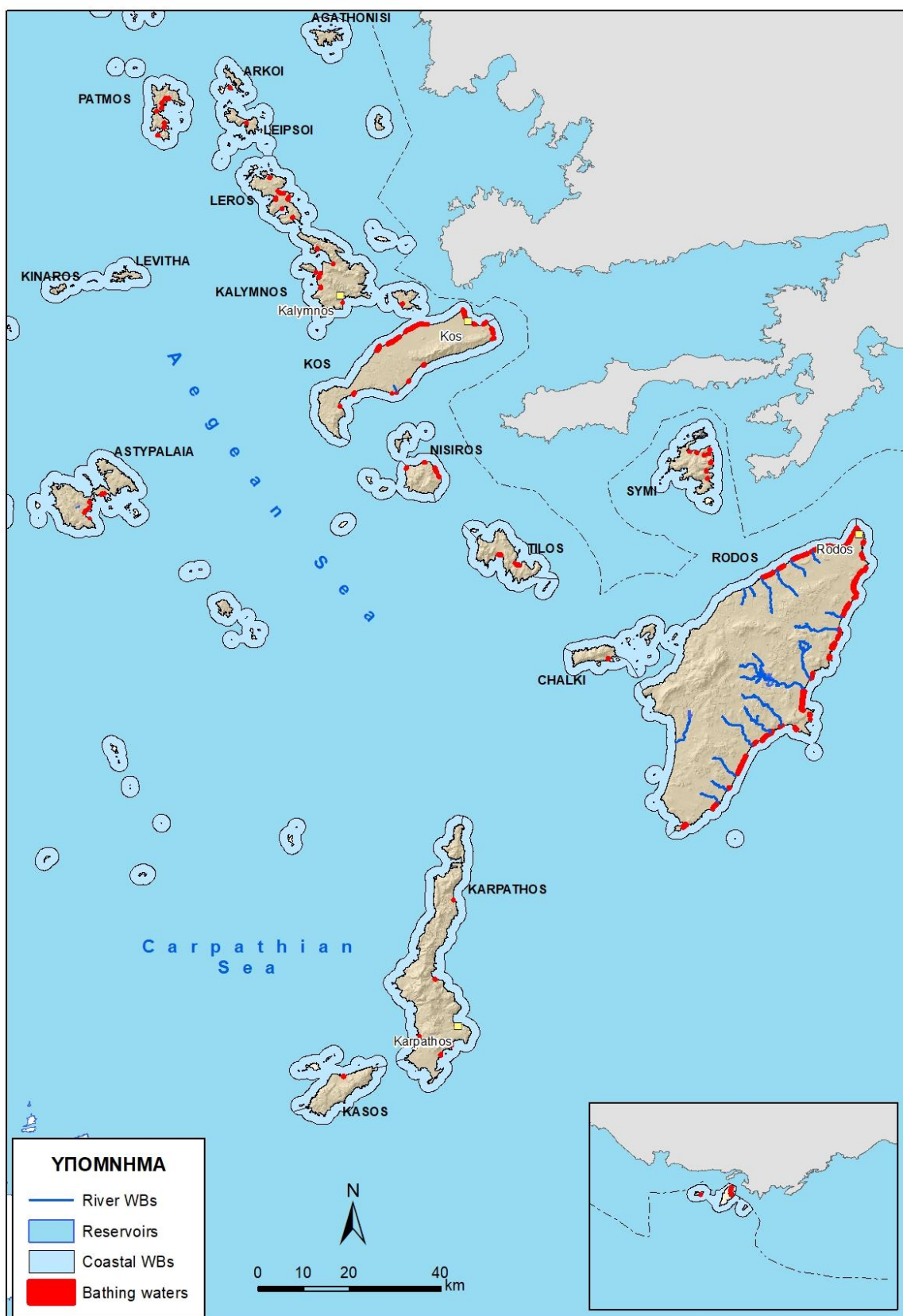
With regard to inland recreational waters, there are no designated recreational activities in the Aegean Islands RBD (EL14) and therefore no recreational waters are identified in both the 1st RBMP and this 1st Revision.



Map 4-13 Bathing waters of RB EL1436 of Aegean Islands RBD (EL14)



Map 4-14 Bathing waters of RB EL1437 of Aegean Islands RBD (EL14)



Map 4-15 Bathing waters of RB EL1438 of Aegean Islands RBD (EL14)

Nutrient-sensitive areas, including areas designated as vulnerable zones and areas designated as sensitive areas

Table 4-9 Vulnerable Zones and WBs which are or may be subjected to Nitrates

Vulnerable Zone Name	WBs which are or may be subjected to Nitrates			
	WB Code	WB Name	WB Category	RB
Area Livadi Naxou EL1437NI01	EL1400760	SYSTIMA LIBADIOY, N.NAXOS	GWB	EL1437

In the RBD there no areas designated as sensitive and no new ones are proposed in this Revision.

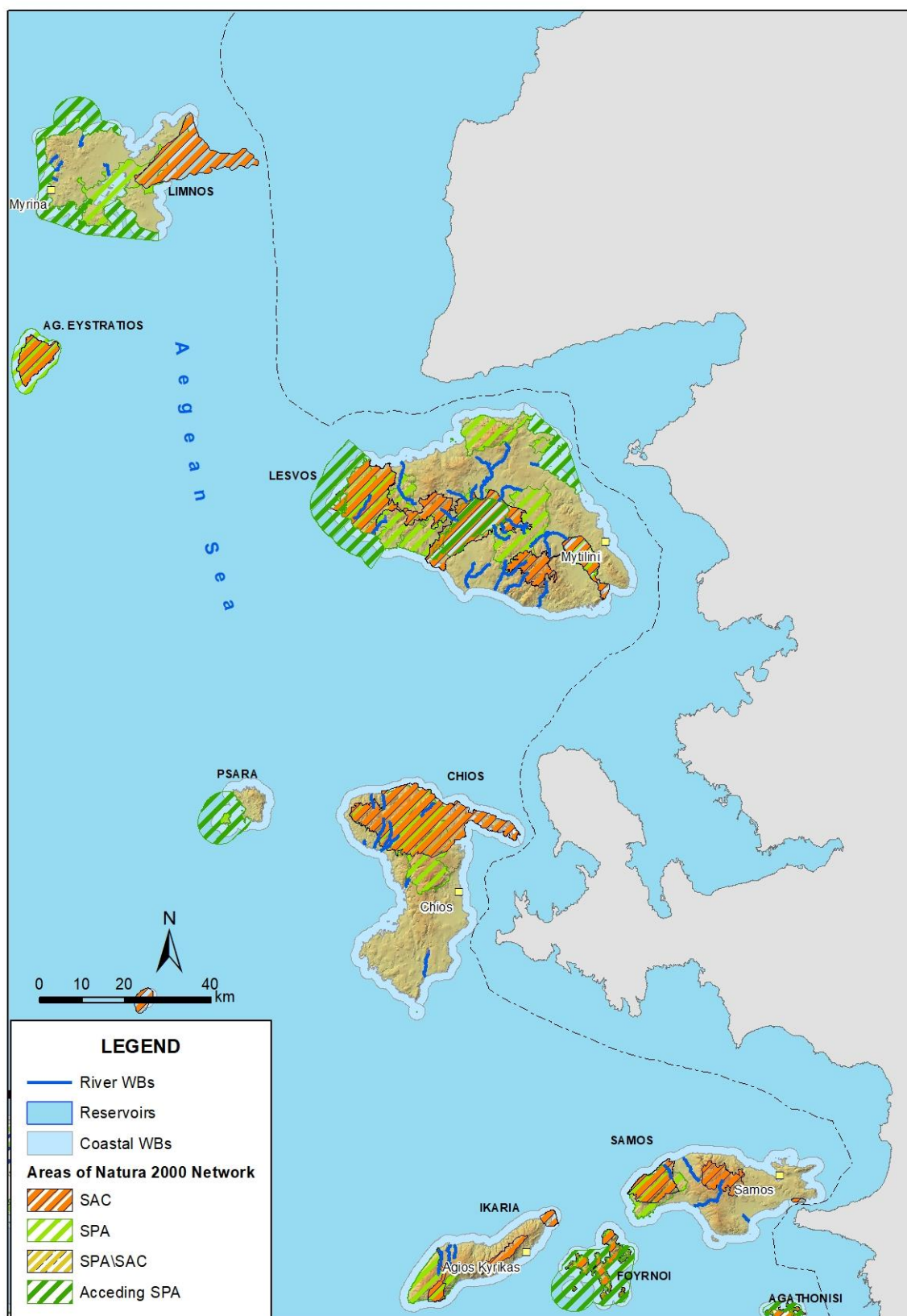


Map 4-16 Proposed Vulnerable Zones of Aegean Islands RBD (EL14)

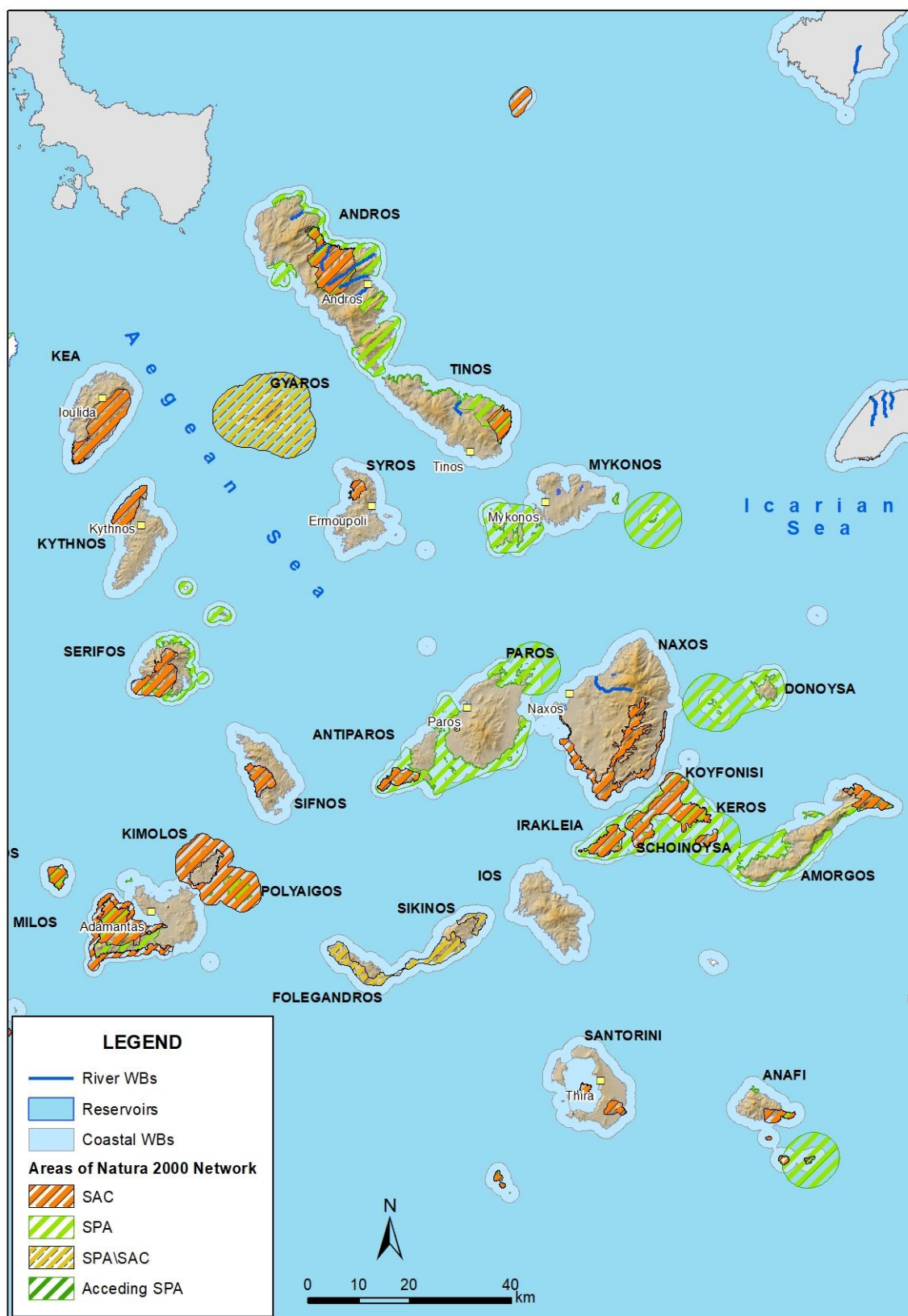
Areas designated for the protection of habitats or species where the maintenance or improvement of the status of water is an important factor in their protection, including relevant Natura 2000 sites.

At Aegean Islands RBD (EL14), from the 89 Natura 2000 sites and from the proposed 18 acceding SPA sites, **78 sites are finally included** at the Register of Protected Areas (those for which the analytical methodology applied in the Analytical Documentation Document "Register of Protected Areas Revision" demonstrated to exhibit habitats or/ and species for which the protection and improvement of the status of water is an important factor in their protection). Sites included to the RPA are

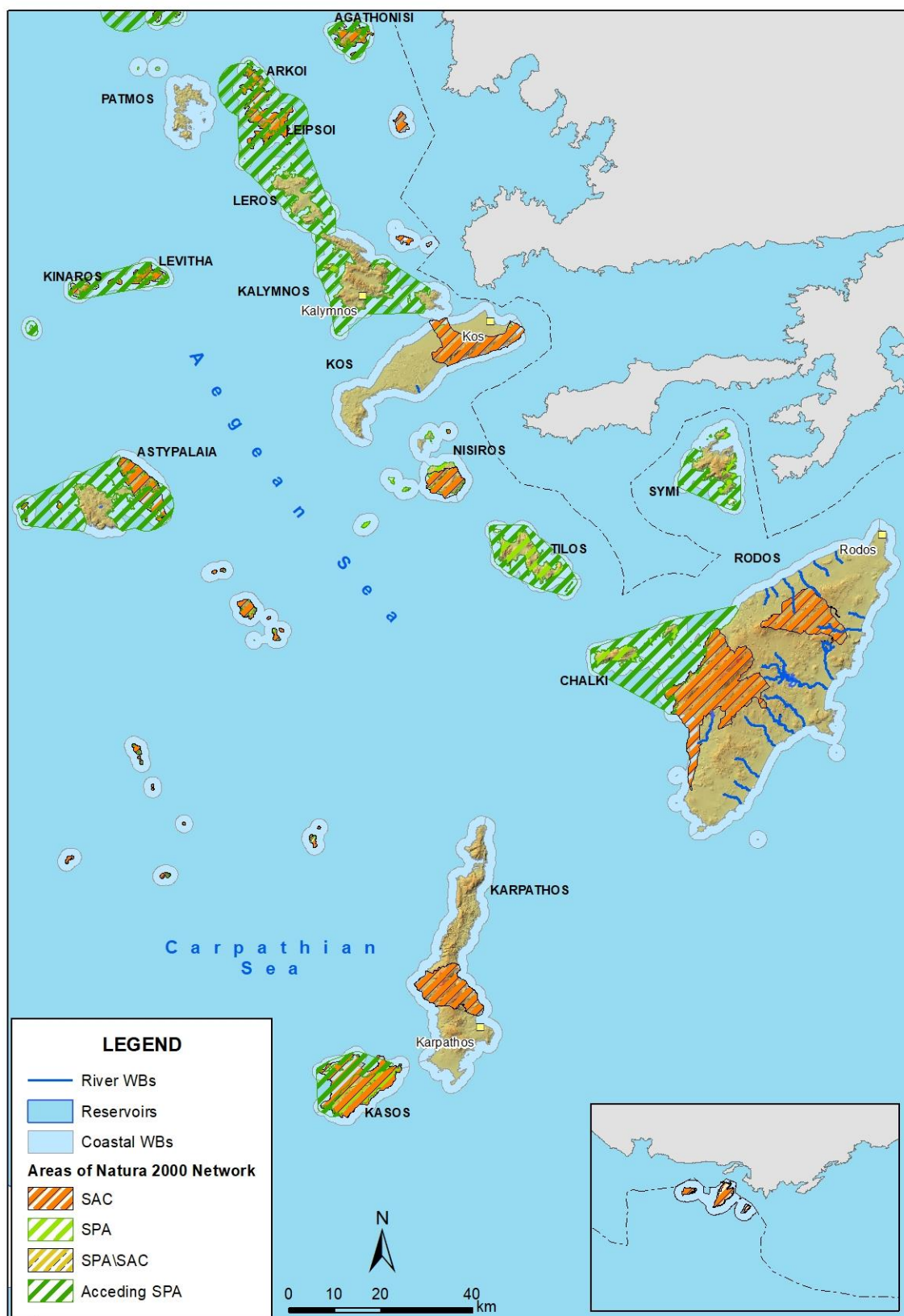
presented to the following maps (**Map 4-17 to Map 4-19**). Also, 203 small island wetlands are identified in Aegean Islands RBD (EL14), which were identified and protected under the Presidential Decree: "Adoption of a list of small island wetlands and setting conditions and restrictions for the protection and promotion of the small coastal wetlands included in it" (GG 229 / Issue of Forced Expropriations and Urban Issues / 2012). These wetlands have been integrated into the Register of Protected Areas and are maintained in this Revision (**Map 4 20**).



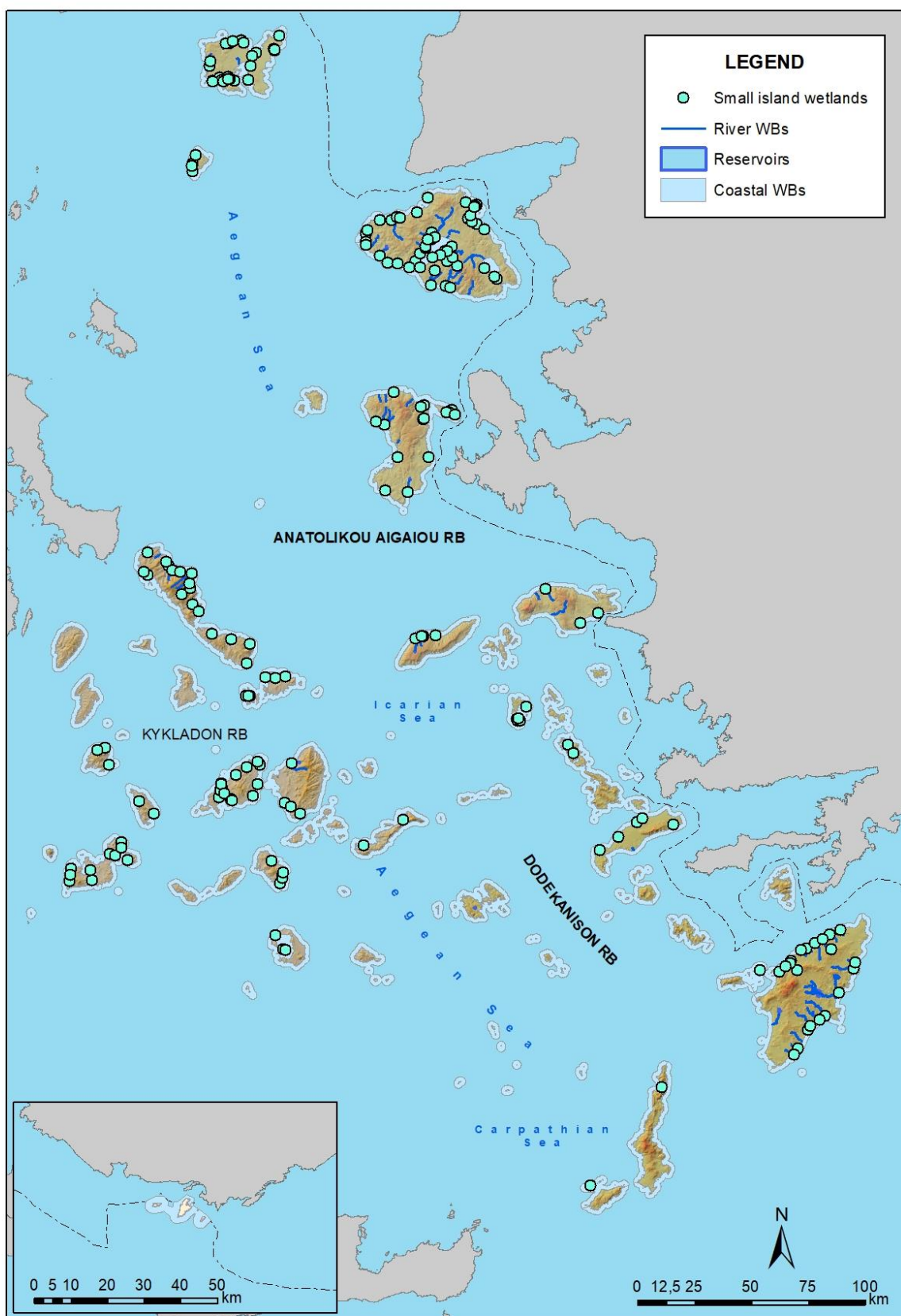
Map 4-17 Areas designated for the protection of habitats or species– Areas of Natura 2000 Network - RB EL1436 of Aegean Islands RBD (EL14)



Map 4-18 Areas designated for the protection of habitats or species – Areas of Natura 2000 Network - RB EL1437 of Aegean Islands RBD (EL14)



Map 4-19 Areas designated for the protection of habitats or species– Areas of Natura 2000 Network - RB EL1438 of Aegean Islands RBD (EL14)



Map 4-20 Areas designated for the protection of habitats or species of Aegean Islands RBD (EL14) – Small island wetlands

Areas designated for the protection of economically significant aquatic species

Taking into account the existing shellfish farming activity and the shellfish fishing that takes place in Kalloni bay, the coastal WB " KOLPOS KALLONIS (LESBOS " (EL1436C0008N) is included in the RPA as an area designated for the protection of economically significant aquatic species.

Table 4-10 Areas Designated for the protection of economically significant aquatic species; of Aegean Islands RBD (EL14)

No	Protected Area Code	WB Code	WB Name	WB Type	Island
1	EL1436C0008NSH	EL1436C0008N	KOLPOS KALLONIS (LESBOS)	Coastal WB	Lesvos

5 PRESSURES AND IMPACTS

Anthropogenic pressures on waterbodies are defined as the amount of all human activities that do influence or could influence any waterbodies present in the area. These pressures are characterized as significant, since they threaten the WB's in relation to not achieving their environmental goals, according to the No 03 Guidance Document of the EU.

The sections following are presenting data and results of the anthropogenic pressure analysis conducted, during the 1st Revision of the RBMP's.

5.1 Point sources of pollution

All point sources of pollution that produce conventional pollutants (BOD, N, P) are included. The list with the pressure categories includes:

- Waste Water Treatment Plants (WWTP)
- Extrusion of sewage networks into a natural recipient
- Large hotels
- Industrial units
- Livestock facilities
- Aquaculture – fish farming
- Leaks from Uncontrolled Waste Dumping Sites and Landfill Sites

From the above sources of pollution (where these appear or where sufficient data were found for their estimation), the annual surface pollution loads of BOD, N and P produced in the study area were derived. Pollutants produced by livestock units were treated as diffuse pressures and are taken into account in the corresponding section of this chapter.



Chart 5-1 Total annual loads of BOD, N and P produced in RBs of Aegean Islands RBD (EL14) from point sources of pollution

Table 5-1 Total annual loads of BOD, N and P produced in RBs of Aegean Islands RBD (EL14) from point sources of pollution

Point sources of pollution	BOD (tn/year)	N (tn/year)	P (tn/year)
Eastern Aegean RB (EL1436)			
Waste Water Treatment Plants (WWTP)	342,2	242,3	59,8
Large hotels	1,1	0,7	0,1
TOTAL	343,3	243,0	59,9
Cyclades RB (EL1437)			
Waste Water Treatment Plants (WWTP)	375,9	505,2	124,9
Large hotels	1,1	0,6	0,1
TOTAL	377,0	505,8	125,0
Dodecanese Islands RB (EL1438)			
Waste Water Treatment Plants (WWTP)	722,8	355,4	84,0
Large hotels	47,7	28,6	3,8
TOTAL	770,5	384,0	87,8
TOTAL RBD	1.490,8	1.132,8	272,8

5.2 Diffuse sources of pollution

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

- Agriculture
- Urban waste water that does not end up in WWTPs
- Livestock (pastoral and sheltered)
- Other sources

From the above sources of pollution, the final annual surface pollution loads BOD, N and P produced in the study area were derived. Pollutants produced by livestock farms, although they are point sources of pollution, are counted in the diffuse sources and are taken into account in this section.

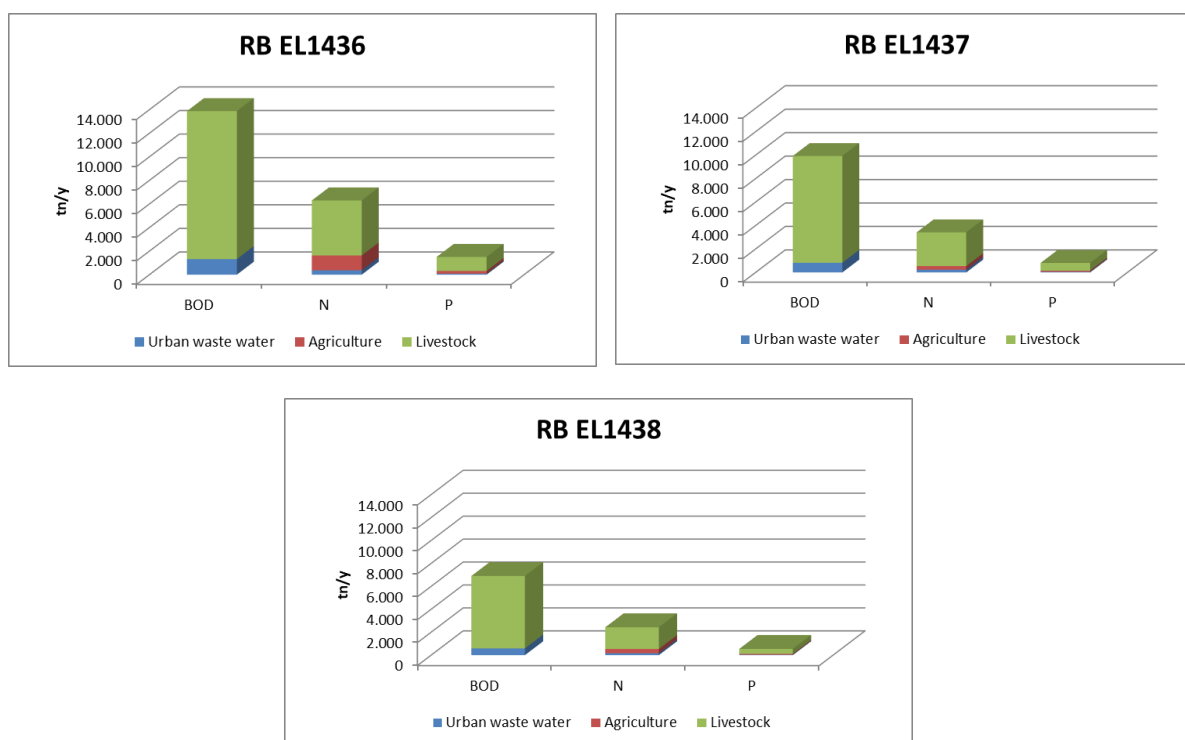


Chart 5-2 Total annual loads of BOD, N and P produced in RBs of Aegean Islands RBD (EL14) from diffuse sources of pollution

Table 5-2 Total annual loads of BOD, N and P produced in RBs of Aegean Islands RBD (EL14) from diffuse sources of pollution

Sources of pollution	BOD (tn/year)	N (tn/year)	P (tn/year)
Eastern Aegean RB (EL1436)			
Urban waste water	1.319,9	377,1	78,6
Agriculture	-	1.250,0	238,0
Livestock	12.554,3	4.667,6	1.187,2
Other sources	-	1.063,7	92,0
TOTAL	13.874,2	7.358,5	1.595,7

Sources of pollution	BOD (tn/year)	N (tn/year)	P (tn/year)
Cyclades RB (EL1437)			
Urban waste water	824,4	235,5	49,1
Agriculture	-	302,0	104,0
Livestock	9.104,7	2.884,6	656,8
Other sources	-	778,1	76,6
TOTAL	9.929,1	4.200,3	886,5
Dodecanese Islands RB (EL1438)			
Urban waste water	588,8	168,2	35,0
Agriculture	-	371,0	75,0
Livestock	6.311,7	1.891,4	435,5
Other sources	-	730,9	56,6
TOTAL	6.900,6	3.161,6	602,2
TOTAL RBD	30.703,8	14.720,4	3.084,4

5.3 Hydromorphological pressures

5.3.1 Pressures related to Hydromorphology

In paragraph 4.3, projects that have caused hydromorphological alterations in surface water bodies resulting in their designation as Heavily Modified Water Bodies were presented per River Basin

5.3.2 Sand and gravel extraction

Sand and gravel extraction is the extraction of riverside sediments for the construction of technical works or for other purposes. Sand and gravel extraction, depending on the amount of sediments taken, can alter the geometric characteristics of the river bed and cause hydromorphological alterations of the particular water bodies.

There is no extensive sand and gravel extractions from river beds in Aegean Islands RBD (EL14), with the exception of some WBs in Rhodes.

5.4 Water abstraction

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

- Public water supply
- Irrigation
- Water for Livestock
- Water for industries
- Other abstractions

In the Eastern Aegean RB (EL1436), total annual water abstraction for all activities and uses amounts to ~ 71.4 hm³. In agriculture (irrigated land), which is the main use of water, ~ 71.57% (~ 51.1 hm³) of total water abstraction is consumed, in public water supply ~ 27.22% (~ 19.4 hm³) is consumed, in livestock ~ 1.14% (~ 0.8 hm³) and in industry ~ 0.06% (~ 0.05 hm³).

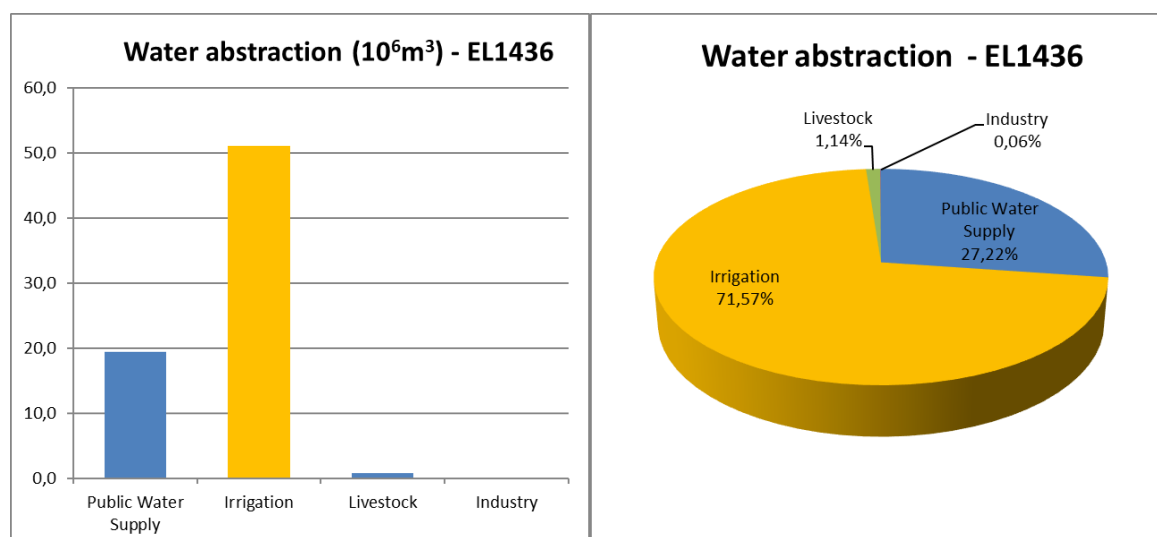


Chart 5-3 Quantities and distribution of annual water abstraction in RB EL1436

In the Cyclades RB (EL1437), total annual water abstraction for all activities and uses amounts to ~ 40.4 hm³. In agriculture (irrigated land), which is the main use of water, ~ 79.17% (~ 30.8 hm³) of total water abstraction is consumed, in public water supply ~ 22.85% (~9.2 hm³) is consumed, in livestock ~ 0.98% (~ 0.4 hm³) and in industry ~ 0.00% (~ 0.002 hm³).

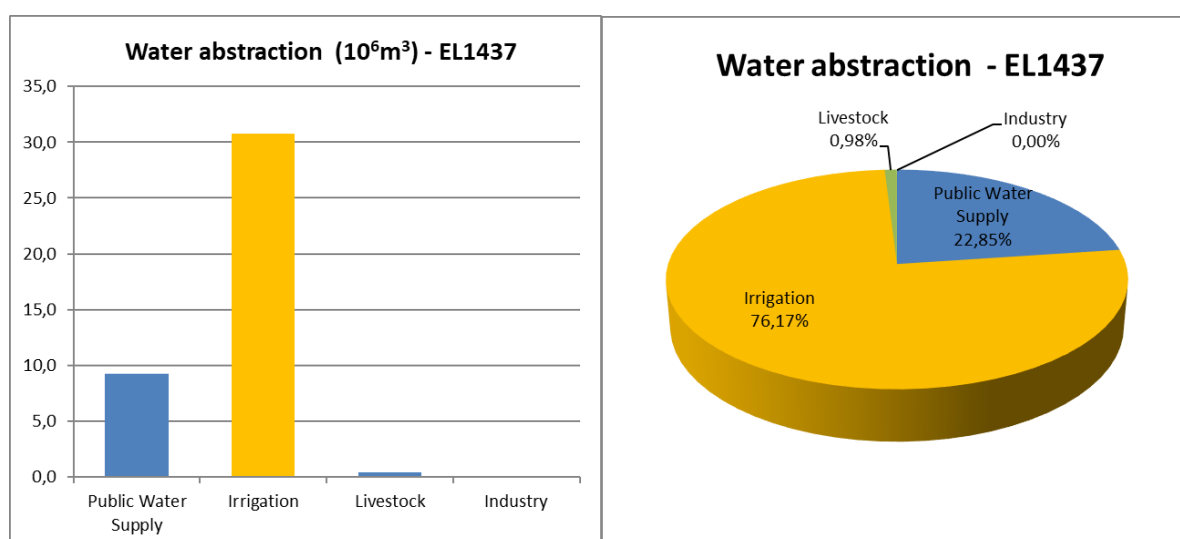


Chart 5-4 Quantities and distribution of annual water abstraction in RB EL1437

In the Dodecanese Islands RB (EL1438), total annual water abstraction for all activities and uses amounts to ~ 68.7 hm³. In public water supply, which is the main use of water, ~ 57.76% (~ 39.7 hm³) of total water abstraction is consumed, in agriculture (irrigated land) ~ 41.79% (~28.7 hm³) is consumed, in livestock ~ 0.44% (~ 0.3 hm³) and in industry ~ 0.01% (~ 0.006 hm³).

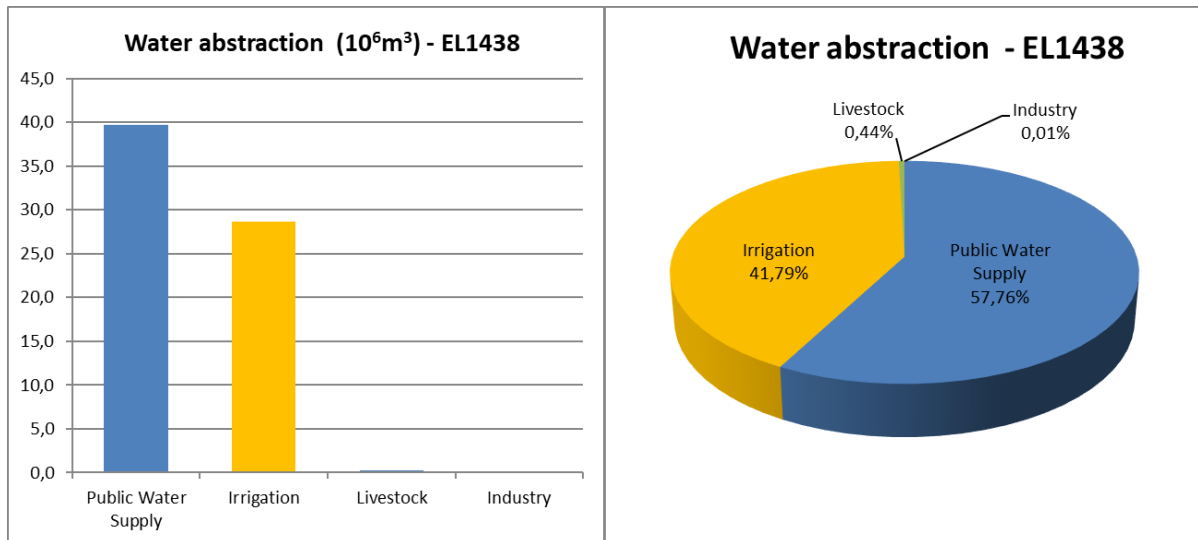


Chart 5-5 Quantities and distribution of annual water abstraction in RB EL1438

5.5 Other pressures

Other pressures include:

- Runoff from mining activities (quarries, mines)
- Desalination units
- Harbors - Marinas – Navigation
- Artificial recharge of groundwater bodies

Runoff from mining activities (quarries, mines)

Despite the scattered distribution of mining sites, mining activity in total at the RBD is estimated to be small in scale, while in most islands are not expected negative effects in WBs from the mining activity.. It is also noted terms for the protection of surface and groundwater WBs are included in the Environmental Terms Approval Decisions of quarries. The WBs which are mostly affected by the mining activity in the Aegean Islands RBD (EL14) are:

- 2 coastal WBs at the Cyclades RB– EL1437 (EL1437C0076N, EL1437C0074N) due to the operation of bentonite / pozzolan quarries and
- 1 coastal WB at the Dodecanese Islands RB– EL1438 (EL1438C0027N) due to the operation of pumice stone and perlite.

Desalination units

There is a significant number of desalination units(41) in the Aegean Islands RBD (EL14), most of which operate in the Cyclades RB (27) and in the Dodecanese Islands RB (11). 8 more units are under construction (1 in the Eastern Aegean RB, 3 in the Cyclades RB and 4 in the Dodecanese Islands RB). Also, 3 new units are planned to be implemented while 13 new units have been proposed to resolve the water supply problem that certain islands of the RBD face. In terms of capacity, the largest units are those of Mykonos (Korfos), Syros (Ermoupolis) and Chios (Tholos). The most important problem of

desalination units is related to the produced brine, which is generated during the treatment of sea or brackish water, and in the case of the units of the Aegean Islands RBD is diverted to the sea.

Desalination units are a potential pressure for coastal WBs, but their impact on the marine environment is only local. In addition, the degree of impact depends on their operating status, the source of water abstraction (borehole, spring, sea, etc.), the applied technology, the characteristics of the brine, which vary depending on whether it is from brackish or sea water, if diluted before discharge, etc. and their production, which varies during the year depending on water needs.

Harbors - Marinas – Navigation

Every island of the Aegean Islands RBD has at least one port or smaller port facilities. In the larger islands there are also secondary ports and smaller port facilities, mainly as a development of fishing shelters. The ports have an important role in the national economy and are one of the most important pillars of island development.

In the Eastern Aegean RB (EL1436) operates a Port of International Interest (Mytilini), two Ports of National Importance (ports of Chios and Vatheos Samos) and two Ports of Greater Interest (ports of Ayios Kirykos of Ikaria and Myrina Limnos).

In the Cyclades RB (EL1437) operates a Port of International Interest (port of Mykonos), 3 Ports of National Importance (ports of Thira, Paros and Syros) and two Ports of Greater Interest (ports of Naxos and Tinos).

In the Dodecanese Islands RB (EL1438) operates a Port of International Interest (port of Rodos), one Port of National Importance (port of Kos) and one Port of Greater Interest (port of Patmos).

Artificial recharge of groundwater bodies

Restraint and enrichment dams have been built on the islands of Tinos, Paros, Anafi and Amorgos. On the island of Chios, in small streams in the Kokarari river basin, there are small restraining berms designed to contain water quantities so as to recharge the aquifer and at the same time contribute to the flood protection of the downstream areas.

Regarding disposal of treated wastewater to the ground, this mainly takes place in cases of hotels and small industrial units.

5.6 Total pressures

From point and diffuse sources of pollution and the other pressures the total annual loads BOD, N and P produced in the study area were derived, as shown below.

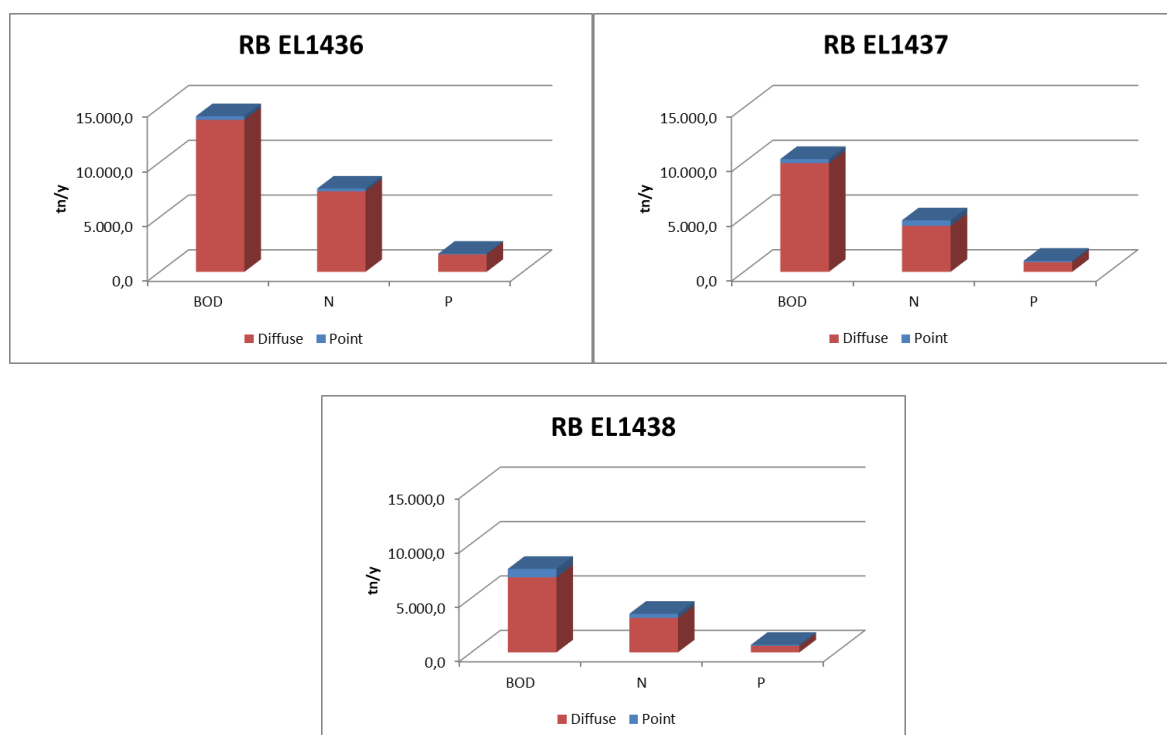


Chart 5-6 Total annual loads of BOD, N and P produced in RBs of Aegean Islands RBD (EL14) from point and diffuse sources of pollution

Table 5-3 Total annual loads of BOD, N and P produced in RBs of Aegean Islands RBD (EL14) from point and diffuse sources of pollution

sources of pollution	BOD (tn/year)	N (tn/year)	P (tn/year)
Eastern Aegean RB (EL1436)			
Point	343,31	243,01	59,91
Diffuse	13874,23	7358,50	1595,71
TOTAL	14.217,54	7.601,51	1.655,62
Cyclades RB (EL1437)			
Point	376,97	505,84	125,03
Diffuse	9929,06	4200,27	886,53
TOTAL	10.306,03	4.706,11	1.011,56
Dodecanese Islands RB (EL1438)			
Point	770,49	383,97	87,82
Diffuse	6900,56	3161,60	602,17
TOTAL	7.671,05	3.545,56	689,99
TOTAL RBD	32.194,61	15.853,19	3.357,17

5.7 Impact Assessment

5.7.1 Impact Assessment on Surface water bodies

For the impacts assessment and the characterization of WBs based on the probability of achieving the environmental objectives of the Directive, the following were assessed per water body:

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

Taking into account the above criteria, the WBs were ranked by the probability of achieving the environmental objectives of the Directive. Summary data on the Impact Assessment is presented below.

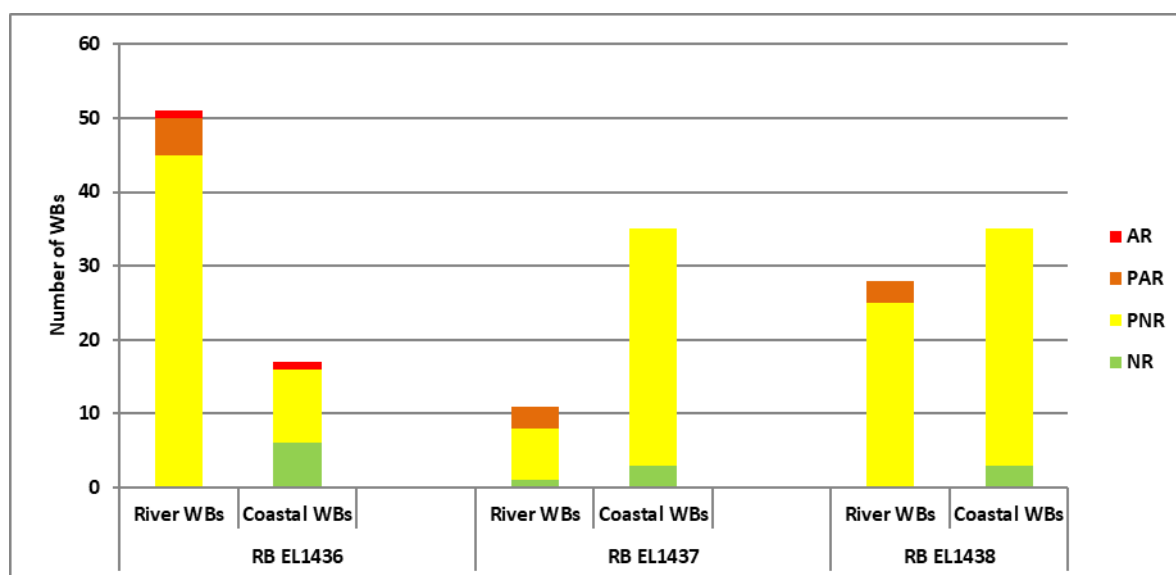


Chart 5-7 Risk assessment of non-achievement of surface water bodies objectives in RBs of Aegean Islands RBD (EL14)

Table 5-4 Statistics for the risk assessment of non-achievement of surface water bodies objectives in RBs of Aegean Islands RBD (EL14)

WB type	Risk assessment categories*								Σύνολο
	NR		PNR		PAR		AR		Number of WBs
	Number of WBs	Number of WBs (%)	Number of WBs	Number of WBs (%)	Number of WBs	Number of WBs (%)	Number of WBs	Number of WBs (%)	
Eastern Aegean RB (EL1436)									
River WBs	0	0%	45	88%	5	10%	1	2%	51
Coastal WBs	6	35%	10	59%	0	0%	1	6%	17
TOTAL	6	9%	55	81%	5	7%	2	3%	68
Cyclades RB (EL1437)									
River WBs	1	9%	7	9%	3	9%	0	9%	11
Coastal WBs	3	8%	32	84%	0	0%	0	0%	35
TOTAL	4	9%	39	85%	3	7%	0	0%	46

WB type	Risk assessment categories*								Σύνολο
	NR		PNR		PAR		AR		Number of WBs
	Number of WBs	Number of WBs (%)	Number of WBs	Number of WBs (%)	Number of WBs	Number of WBs (%)	Number of WBs	Number of WBs (%)	
Dodecanese Islands RB (EL1438)									
River WBs	0	0%	25	89%	3	11%	0	0%	28
Coastal WBs	3	9%	32	91%	0	0%	0	0%	35
TOTAL	3	5%	57	90%	3	5%	0	0%	63

* For the assessment of the risk of failure to achieve the objectives, the following categories are distinguished: At Risk -AR, possibly at risk (PAR), possibly not at risk (PNR), not at risk (NR)

5.7.2 Impact Assessment on Groundwater bodies

In Aegean Islands RBD (EL14) were identified 116 GWBs, the status of which is presented below. Of these, 28 are in poor chemical and quantitative status.

Table 5-5 Quantitative and chemical status of GWBs per RB at Aegean Islands RBD (EL14)

No	Island	GWB Code	GWB Name	Quantitative status	Decline water levels tendency	Chemical status	Quality problems	Pollutants tendency
Eastern Aegean RB (EL1436)								
1	Limnos	EL1400011	SYSTIMA FLYSCHIKON SCHIMATISMON (A), N.LIMNOS	Good	-	Good	Local salinity intrusion	-
2	Limnos	EL1400012	SYSTIMA FLYSCHIKON SCHIMATISMON (G), N.LIMNOS	Good	-	Good		-
3	Limnos	EL1400020	SYSTIMA AERODROMIOY (A), N.LIMNOS	Poor	-	Poor	Salinity intrusion, local nitrates presence	-
4	Limnos	EL1400031	SYSTIMA IFAISTEIAKON SCHIMATISMON (A), N.LIMNOS	Good	-	Good	Local salinity intrusion	-
5	Limnos	EL1400032	SYSTIMA IFAISTEIAKON SCHIMATISMON (B), N.LIMNOS	Poor	-	Poor	Salinity intrusion	-
6	Ag.Eystratios	EL1400040	SYSTIMA AGIOY EYSTRATIOY, N. AG. EYSTRATIOY	Good	-	Good		-
7	Lesvos	EL1400051	SYSTIMA IFAISTEIAKON KENTRIKIS & DYTIKIS LESBOY (A), N.LESBOS	Good	-	Good	Local salinity intrusion	-
8	Lesvos	EL1400052	SYSTIMA IFAISTEIAKON KENTRIKIS & DYTIKIS LESBOY (B), N.LESBOS	Poor	-	Poor	Salinity intrusion	-
9	Lesvos	EL1400061	SYSTIMA KALLONIS (A), N.LESBOS	Good	-	Good		-
10	Lesvos	EL1400062	SYSTIMA KALLONIS (G), N.LESBOS	Good	-	Good		-
11	Lesvos	EL1400070	SYSTIMA OFIOLITHIKOY SYMPLEGMATOS, N.LESBOS	Good	-	Good		-
12	Lesvos	EL1400080	SYSTIMA LARSOY, N.LESBOS	Good	-	Good		-

No	Island	GWB Code	GWB Name	Quantitative status	Decline water levels tendency	Chemical status	Quality problems	Pollutants tendency
13	Lesvos	EL1400091	SYSTIMA MYTILINIS (A), N.LESBOS	Good	-	Good	Local salinity intrusion	-
14	Lesvos	EL1400092	SYSTIMA MYTILINIS (B), N.LESBOS	Poor	-	Poor	Salinity intrusion	-
15	Lesvos	EL1400101	SYSTIMA GERA (A), N.LESBOS	Good	-	Good		-
16	Lesvos	EL1400102	SYSTIMA GERA (G), N.LESBOS	Good	-	Good		-
17	Lesvos	EL1400111	SYSTIMA SEDOYNIA - PLOMARIOY (A), N.LESBOS	Good	-	Good		-
18	Lesvos	EL1400112	SYSTIMA SEDOYNIA - PLOMARIOY (B), N.LESBOS	Poor	-	Poor	Salinity intrusion	-
19	Psara	EL1400121	SYSTIMA ACHLADOKAMPOY - LIMNOY (A), N.PSARA	Good	-	Good		-
20	Psara	EL1400122	SYSTIMA ACHLADOKAMPOY - LIMNOY (B), N.PSARA	Poor	-	Poor	Salinity intrusion	-
21	Chios	EL1400130	SYSTIMA BD/KIS CHIOY, N.CHIOS	Good	-	Good		-
22	Chios	EL1400141	SYSTIMA KARDAMYLON (A), N.CHIOS	Good	-	Good		-
23	Chios	EL1400142	SYSTIMA NOTIOY CHIOY (A), N.CHIOS	Good	-	Good		-
24	Chios	EL1400143	NOTIOY CHIOY (B), N.CHIOS	Poor	-	Poor	Salinity intrusion	-
25	Chios	EL1400150	SYSTIMA KORAKARI, N.CHIOS	Poor	-	Poor	Salinity intrusion	-
26	Chios	EL1400160	SYSTIMA KAMPOY, N.CHIOS	Poor	-	Poor	Salinity intrusion	-
27	Chios	EL1400171	SYSTIMA KALAMOTIS - NENITA (A), N.CHIOS	Good	-	Good		-
28	Chios	EL1400172	SYSTIMA KALAMOTIS - NENITA (B), N.CHIOS	Poor	-	Poor	Salinity intrusion	-
29	Oinousses	EL1400180	SYSTIMA OINOYSON, N.OINOYSES	Good	-	Good		-
30	Ikaria	EL1400190	SYSTIMA RACHON, N.IKARIAS	Good	-	Good		-
31	Ikaria	EL1400200	SYSTIMA EYDILOY, N.IKARIAS	Good	-	Good		-
32	Ikaria	EL1400210	SYSTIMA AG. KIRYKOY, N.IKARIAS	Good	-	Good		-
33	Thymaina	EL1400220	SYSTIMA THYMAINAS, N.THYMAINA	Good	-	Good		-
34	Fournoi	EL1400230	SYSTIMA FOYRNON, N.FOYRNOI	Good	-	Good		-
35	Samos	EL1400241	SYSTIMA KERKETEA (A), N. SAMOS	Good	-	Good		-
36	Samos	EL1400242	SYSTIMA KERKETEA (B), N. SAMOS	Poor	-	Poor	Salinity intrusion	-
37	Samos	EL1400250	SYSTIMA YDROYSAS - MARATHOKAMPOY, N.SAMOS	Good	-	Good		-

No	Island	GWB Code	GWB Name	Quantitative status	Decline water levels tendency	Chemical status	Quality problems	Pollutants tendency
38	Samos	EL1400260	SYSTIMA KARBOYNI, N.SAMOS	Good	-	Good		-
39	Samos	EL1400270	SYSTIMA IMBRESSOY, N.SAMOS	Good	-	Good		-
40	Samos	EL1400280	SYSTIMA BOYRLIOTON - MYLON, N.SAMOS	Good	-	Good		-
41	Samos	EL1400290	SYSTIMA MYTILINION - CHORAS, N.SAMOS	Good	-	Good		-
42	Samos	EL1400301	SYSTIMA KAMPOY CHORAS (A), N.SAMOS	Good	-	Good		-
43	Samos	EL1400302	SYSTIMA KAMPOY CHORAS (B), N.SAMOS	Poor	-	Poor	Salinity intrusion	-
44	Samos	EL1400311	SYSTIMA BATHEOS, N.SAMOS	Good	-	Good		-
45	Samos	EL1400312	SYSTIMA MESOKAMPOY, N.SAMOS	Poor	-	Poor	Salinity intrusion, local nitrates presence	-
Cyclades RB (EL1437)								
46	Andros	EL1400630	SYSTIMA ANDROY, N.ANDROS	Good	-	Good		-
47	Tinos	EL1400640	SYSTIMA TINOY, N.TINOS	Good	-	Good		-
48	Kea	EL1400650	SYSTIMA KEAS, N.KEA	Good	-	Good		-
49	Kythnos	EL1400660	SYSTIMA KYTHNOY, N.KYTHNOS	Good	-	Good		-
50	Syros	EL1400671	SYSTIMA SYROY (A), N.SYROS	Good	-	Good		-
51	Syros	EL1400672	SYSTIMA SYROY (B), N.SYROS	Poor	-	Poor	Salinity intrusion, local nitrates, sulphates presence	-
52	Syros	EL1400673	SYSTIMA SYROY (G), N.SYROS	Poor	-	Poor	Salinity intrusion, local nitrates, sulphates presence	-
53	Mykonos	EL1400680	SYSTIMA AERODROMIOY - ANO MERA, N.MYKONOS	Good	-	Good		-
54	Serifos	EL1400690	SYSTIMA NOCHTIAS, N.SERIFOS	Good	-	Good		-
55	Sifnos	EL1400700	SYSTIMA PROFITI ILIA - ARTEMONA, N.SIFNOS	Good	-	Good		-
56	Kimolos	EL1400710	SYSTIMA KIMOLOY, N.KIMOLOS	Good	-	Good		-
57	Milos	EL1400721	SYSTIMA ZEFYRIAS (A), N.MILOS	Good	-	Good	Local salinity intrusion	-
58	Milos	EL1400722	SYSTIMA ZEFYRIAS (B), N.MILOS	Poor	-	Poor	Salinity intrusion	-
59	Milos	EL1400730	SYSTIMA MILOY, N.MILOS	Good	-	Good		-
60	Antiparos	EL1400740	SYSTIMA KAMPOY - AG. GEORGIOY (A), N.ANTIPAROS	Good	-	Good		-

No	Island	GWB Code	GWB Name	Quantitative status	Decline water levels tendency	Chemical status	Quality problems	Pollutants tendency
61	Paros	EL1400751	SYSTIMA MARATHIOY (A), N.PAROS	Good	-	Good		-
62	Paros	EL1400752	SYSTIMA MARATHIOY (B), N.PAROS	Poor	-	Poor	Salinity intrusion	-
63	Naxos	EL1400760	SYSTIMA LIBADIOY, N.NAXOS	Poor	-	Poor	Salinity intrusion, nitrates presence	-
64	Naxos	EL1400770	SYSTIMA KENTRIKIS NAXOY - KOYROY, N.NAXOS	Good	-	Good	Local nitrates presence	-
65	Naxos	EL1400780	SYSTIMA ANATOLIKIS NAXOY, N.NAXOS	Good	-	Good		-
66	Donousa	EL1400790	SYSTIMA DONOYSAS, N.DONOYSA	Good	-	Good		-
67	Amorgos	EL1400801	SYSTIMA KATAPOLON (A), N.AMORGOS	Good	-	Good		-
68	Amorgos	EL1400802	SYSTIMA KATAPOLON (B), N.AMORGOS	Poor	-	Poor	Salinity intrusion	-
69	Kato Koufonisi	EL1400810	SYSTIMA KATO KOYFONISIOY, N.KOYFONISI	Good	-	Good		-
70	Shoinousa	EL1400820	SYSTIMA SCHOINOYSAS, N.SCHOINOYSA	Good	-	Good		-
71	Ios	EL1400830	SYSTIMA CHORAS, N.IOS	Good	-	Good		-
72	Irakleia	EL1400840	SYSTIMA IRAKLEIAS, N.IRAKLEIA	Good	-	Good		-
73	Sikinos	EL1400850	SYSTIMA SIKINOY, N.SIKINOS	Good	-	Good		-
74	Folegandos	EL1400860	SYSTIMA FOLEGANDROY, N.FOLEGANDROS	Good	-	Good		-
75	Thira	EL1400871	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (A), N.THIRA	Good	-	Good	Local nitrates presence	-
76	Thira	EL1400872	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (B), N.THIRA	Poor	-	Poor	Salinity intrusion	-
77	Thira	EL1400873	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (G), N.THIRA	Poor	-	Poor	Salinity intrusion	-
78	Anafi	EL1400880	SYSTIMA ANAFIS, N.ANAFI	Good	-	Good		-
79	Koufonisi	EL1400890	SYSTIMA KOYFONISIOY, N.KOYFONISI	Good	-	Good		-
80	Thirasia	EL1400900	SYSTIMA THIRASIAS, N.THIRASIA	Good	-	Good		-
Dodecanese Islands RB (EL1438)								
81	Pserimos	EL1400910	SYSTIMA PSERIMOY, N.PSERIMOS	Good	-	Good		-
82	Agathonisi	EL1400320	SYSTIMA AGATHONISIOY, N.AGATHONISI	Good	-	Good		-

No	Island	GWB Code	GWB Name	Quantitative status	Decline water levels tendency	Chemical status	Quality problems	Pollutants tendency
83	Arkoi	EL1400330	SYSTIMA ARKION, N.ARKOI	Good	-	Good		-
84	Leipsoi	EL1400341	SYSTIMA PANAGIAS - MOSCHATOY (A), N.LEIPSOI	Good	-	Good		-
85	Leipsoi	EL1400342	SYSTIMA PANAGIAS - MOSCHATOY (B), N.LEIPSOI	Poor	-	Poor	Salinity intrusion	-
86	Patmos	EL1400350	SYSTIMA NEROMYLION, N.PATMOS	Good	-	Good		-
87	Leros	EL1400361	SYSTIMA LEROY (A), N.LEROS	Good	-	Good		-
88	Leros	EL1400362	SYSTIMA LEROY (B), N.LEROS	Poor	-	Poor	Salinity intrusion	-
89	Kalymnos	EL1400370	SYSTIMA POTHEIAS, N.KALYMNOS	Poor	-	Poor	Salinity intrusion	-
90	Kalymnos	EL1400380	SYSTIMA BATHEOS, N.KALYMNOS	Poor	-	Poor	Salinity intrusion	-
91	Kalymnos	EL1400390	SYSTIMA KALYMNIOY, N.KALYMNOS	Good	-	Good		-
92	Kos	EL1400400	SYSTIMA BOREIOY TMIMATOS N.KOS	Good	-	Good		-
93	Kos	EL1400410	SYSTIMA ANTIMACHEIAS-KEFALOY, N.KOS	Good	-	Good		-
94	Kos	EL1400420	SYSTIMA KEFALOBRYSSIS - ZIAS, N.KOS	Good	-	Good		-
95	Kos	EL1400430	SYSTIMA DIKALIOY, N.KOS	Good	-	Good		-
96	Kos	EL1400440	SYSTIMA KARDAMAINAS, N.KOS	Poor	-	Poor	Salinity intrusion	-
97	Nisyros	EL1400450	SYSTIMA NISYROY, N.NISYROS	Good	-	Good		-
98	Astipalaia	EL1400461	SYSTIMA LINOPOTIOY (A), N.ASTYPALAIA	Good	-	Good		-
99	Astipalaia	EL1400462	SYSTIMA LINOPOTIOY (B), N.ASTYPALAIA	Poor	-	Poor	Salinity intrusion	-
100	Astipalaia	EL1400470	SYSTIMA ASTYPALAIAS, N.ASTYPALAIA	Good	-	Good		-
101	Tilos	EL1400480	SYSTIMA TILOY, N.TILOS	Good	-	Good		-
102	Symi	EL1400490	SYSTIMA SYSTIMA SYMIS, N.SYMI	Good	-	Good		-
103	Xalki	EL1400500	SYSTIMA CHALKIS, N. CHALKIS	Good	-	Good		-
104	Rodos	EL1400511	SYSTIMA BOREIOY TMIMATOS RODOY (A), N. RODOS	Good	-	Good		-
105	Rodos	EL1400512	SYSTIMA BOREIOY TMIMATOS RODOY (B), N. RODOS	Good	-	Good		-
106	Rodos	EL1400520	SYSTIMA PROF. ILIA - SALAKOY, N.RODOS	Good	-	Good		-
107	Rodos	EL1400530	SYSTIMA SYSTIMA EPTA PIGON, N.RODOS	Good	-	Good		-

No	Island	GWB Code	GWB Name	Quantitative status	Decline water levels tendency	Chemical status	Quality problems	Pollutants tendency
108	Rodos	EL1400540	SYSTIMA KALATHOY - GADOYRA, N.RODOS	Good	-	Good		-
109	Rodos	EL1400550	SYSTIMA KENTRIKIS RODOY, N.RODOS	Good	-	Good		-
110	Rodos	EL1400560	SYSTIMA ATTABYROY, N.RODOS	Good	-	Good		-
111	Rodos	EL1400570	SYSTIMA APOLAKKIAS, N.RODOS	Good	-	Good		-
112	Rodos	EL1400580	SYSTIMA GENNADIOY, N.RODOS	Good	-	Good		-
113	Kastelorizo	EL1400590	SYSTIMA MEGISTIS, N.KASTELLORIZO	Good	-	Good		-
114	Karpathos	EL1400600	SYSTIMA KENTRIKIS KARPATHOY, N.KARPATOS	Good	-	Good		-
115	Kasos	EL1400610	SYSTIMA AGIAS MARINAS - EMPOREIOY, N.KASOS	Poor	-	Poor	Salinity intrusion, local nitrates presence	-
116	Kasos	EL1400620	SYSTIMA KASOY, N.KASOS	Good	-	Good		-

6 STATUS OF WATER BODIES

6.1 Classification of the Status of Surface Water Bodies

6.1.1 Status assessment of River Water Bodies

Based on the ecological status/potential classification results, from the 81 **river WB's** (reservoirs excluded) within the Aegean Islands River Basin District (EL14), 78 of them have been classified in relation to their ecological status (i.e., the total amount of natural river WB's), while 4 of them were considered as "non-classified" (i.e., the total amount of HMWB's). With regards to their chemical status, the total amount of river WB's was classified as "good chemical status". The table that follows presents the ecological and chemical status of the river WB's per RB, along with their variations between the 1st and the Revised RBMP.

Table 6-1 Status and differences in the status of river WBs between the 1st RBMP and the 1st Revision of RBMP

WB Code	WB Name	Ecological Status/Potential		Chemical Status	
		1 st RBMP	1 st Revision of RBMP	1 st RBMP	1 st Revision of RBMP
Eastern Aegean RB (EL1436)					
EL1436R000100001N	KATALAKOS	Unknown	Good	Unknown	Good
EL1436R000200005N	VOULGARIS P.	Unknown	Poor	Unknown	Good
EL1436R000300002N	ATSIKI	Unknown	Good	Unknown	Good
EL1436R000400008N	EYERGETOULAS P.	Unknown	Moderate	Unknown	Good
EL1436R000400009N	EYERGETOULAS P.	Unknown	Good	Unknown	Good
EL1436R000402010N	EYERGETOULAS P.	Moderate to a 2,4km section. The rest is an new WB	Good	Unknown	Good
EL1436R000500003N	AYLON R.	Unknown	Good	Unknown	Good
EL1436R000600018N	TSIKNIAS P.	Unknown	Good	Unknown	Good
EL1436R000600019N	TSIKNIAS P.	Unknown	Good	Unknown	Good
EL1436R000700004N	KASPAKAS R.	Unknown	Good	Unknown	Good
EL1436R000800028N	ELINTAS R.	Unknown	Good	Unknown	Good
EL1436R000900011N	SEDOUNTAS P.	Unknown	Good	Unknown	Good
EL1436R001000033N	FOURNIOTIKOS P.	Unknown	Good	Unknown	Good
EL1436R001000034N	FOURNIOTIKOS P.	Unknown	Good	Unknown	Good
EL1436R001100012N	AKRASI R.	Unknown	Good	Unknown	Good
EL1436R001500014N	VOURKOU R.	High	Good	Unknown	Good
EL1436R001500015N	VOURKOU R.	Unknown	Good	Unknown	Good
EL1436R001700016N	LAGKADA R. (ALMYROPOTAMOS)	Unknown	Good	Unknown	Good
EL1436R001900017N	MYLOPOTAMOS	Unknown	Good	Unknown	Good
EL1436R002100021N	ENNIA KAMARES R.	Unknown	Good	Unknown	Good
EL1436R002300022N	POTAMIA	Unknown	Good	Unknown	Good
EL1436R002500023N	MELADIA R.	Unknown	Good	Unknown	Good
EL1436R002700024N	AGIASMATA	Unknown	Good	Unknown	Good
EL1436R002900025N	ALVANOS R.	Unknown	Good	Unknown	Good
EL1436R003100026N	DIPOTAMOS R.	Unknown	Good	Unknown	Good
EL1436R003300027H	FANOPYRGON R.	Unknown	Unknown	Unknown	Good
EL1436R003500029N	ACHYRONA R. (LOUTRA)	Unknown	Good	Unknown	Good
EL1436R003900031N	VOLISSOS	Unknown	Good	Unknown	Good
EL1436R004100032N	AG.MARKELA R.	Unknown	Good	Unknown	Good
EL1436R004300037N	IMVRESOS R.	Unknown	Moderate	Unknown	Good
EL1436R009900002N	KATSAITI R.	(New WB)	Good	(New WB)	Good

WB Code	WB Name	Ecological Status/Potential		Chemical Status	
		1 st RBMP	1 st Revision of RBMP	1 st RBMP	1 st Revision of RBMP
EL1436R009900003N	ASPROPOTAMOS	(New WB)	Good	(New WB)	Good
EL1436R009900004N	LAGKADA R. (ALMYROPOTAMOS)	Unknown	Good	Unknown	Good
EL1436R009900005N	ALMYROPOTAMOS	Unknown	Good	Unknown	Good
EL1436R009900006N	KRYO NERO R.	(New WB)	Good	(New WB)	Good
EL1436R009900007N	ACHLADERIS P.	(New WB)	Good	(New WB)	Good
EL1436R009900008N	VOUVARIS P.	(New WB)	Good	(New WB)	Good
EL1436R009900009N	MYLOPOTAMOS	Unknown	Good	Unknown	Good
EL1436R009900010N	TSIKNIAS P.	Unknown	Good	Unknown	Good
EL1436R009900011N	ENNIA KAMARES R.	Unknown	Good	Unknown	Good
EL1436R009900012N	POTAMIA	Unknown	Good	Unknown	Good
EL1436R009900013N	TAXIARCHIS PARAKOILON	(New WB)	Good	(New WB)	Good
EL1436R009900014H	CHALANTRA R.	(New WB)	Unknown	(New WB)	Good
EL1436R009900015N	CHALARIS P.	(New WB)	Good	(New WB)	Good
EL1436R009900016N	CHARAKOU R.	(New WB)	Good	(New WB)	Good
EL1436R009900017N	MYRSONOS P.	(New WB)	Good	(New WB)	Good
EL1436R009900018N	POTAMI R.	(New WB)	Good	(New WB)	Good
EL1436R009900019N	AMFILYSSOS P.	(New WB)	Good	(New WB)	Good
Cyclades RB (EL1437)					
EL1437R000100074N	MEGALO REMA	Unknown	Good	Unknown	Good
EL1437R000300075N	TAGER LAGKADI R.	Unknown	Good	Unknown	Good
EL1437R009900020N	POTAMOS TIS KATAKOILOU	(New WB)	Good	(New WB)	Good
EL1437R009900021N	ARNIS R.	(New WB)	Good	(New WB)	Good
EL1437R009900022N	VARIDI R. (ACHLA)	(New WB)	Good	(New WB)	Good
EL1437R009900023N	AFOURSES R.	(New WB)	Good	(New WB)	Good
EL1437R009900024N	MEGALOS POTAMOS	(New WB)	Good	(New WB)	Good
EL1437R009900025N	GARINOU VRYSI	(New WB)	Good	(New WB)	Good
Dodecanese Islands RB (EL1438)					
EL1438R000100038N	ARAGKI R.	Unknown	Good	Unknown	Good
EL1438R000201045N	LOUTANIS R.	Good	Good	Unknown	Good
EL1438R000201046N	LOUTANIS R.	Unknown	Good	Unknown	Good
EL1438R000300039N	KOLOVRECHTIS R.	Unknown	Good	Unknown	Good
EL1438R000401058H	GADOURAS P.	Moderate	Unknown	Unknown	Good
EL1438R000401059N	GADOURAS P.	Unknown	Good	Unknown	Good
EL1438R000402062N	GADOURAS P.	Unknown	Good	Unknown	Good
EL1438R000403063N	GADOURAS P.	Unknown	Good	Unknown	Good
EL1438R000404064N	GADOURAS P.	Unknown	Good	Unknown	Good
EL1438R000500040N	PLATYS R.	Unknown	Moderate	Unknown	Good
EL1438R000600073H	SIANITIS P.	Good	Unknown	Unknown	Good
EL1438R000700042N	PETALOUDES R.	Unknown	Good	Unknown	Good
EL1438R000900043N	KARAVAS R.	Unknown	Good	Unknown	Good
EL1438R001100044N	PELEMONIS R.	Unknown	Good	Unknown	Good
EL1438R001301048N	MAKARIS	Unknown	Good	Unknown	Good
EL1438R001301049N	MAKARIS	Unknown	Good	Unknown	Good
EL1438R001501065N	FONIAS R.	Unknown	Good	Unknown	Good
EL1438R001701067N	KIPIRIONAS R.	Unknown	Good	Unknown	Good
EL1438R001701068N	KIPIRIONAS R.	Unknown	Good	Unknown	Good
EL1438R001900069N	ASKLIPINOS P.	Unknown	Good	Unknown	Good
EL1438R002100070N	KOLONITIS R.	Unknown	Good	Unknown	Good
EL1438R002300071N	LACHANIA R.	Unknown	Good	Unknown	Good
EL1438R002500072N	CHOCHLAKAS R.	Unknown	Good	Unknown	Good
EL1438R009900026N	KREMASTEIKOS R.	(New WB)	Good	(New WB)	Good
EL1438R009900027N	ARGYROS R.	(New WB)	Good	(New WB)	Good

6.1.2 Status assessment of Lake Water Bodies

In the RBD examined, 9 reservoirs have been identified (lake type river HMWB's). The total amount of reservoirs within the RBD has not been classified in relation to their ecological potential. In relation to their chemical status, however, 6 of them have been classified as "good chemical status" while 3 of them have not been classified at all. The table that follows presents the ecological and chemical status of the reservoirs per RB, along with their variations between the 1st and the Revised RBMP.

Table 6-2 Status and differences in the status of reservoirs (Heavily Modified River Water Bodies) between the 1st RBMP and the 1st Revision of RBMP

WB Code	WB Name	Ecological Potential		Chemical Status	
		1 st RBMP	1 st Revision of RBMP	1 st RBMP	1 st Revision of RBMP
Eastern Aegean RB (EL1436)					
EL1436RL00000002H	T.L. ERESSOY	Unknown	Unknown	Unknown	Good
EL1436RL00000003H	T.L. KALAMOTIS-KATRARI	Unknown	Unknown	Unknown	Unknown
EL1436RL00000004H	T.L. RACHON-PEZIOY	Unknown	Unknown	Unknown	Good
Cyclades RB (EL1437)					
EL1437RL00000007H	T.L. MARATHIA	Unknown	Unknown	Unknown	Good
EL1437RL00000008H	T.L. FANEROMENIS	Unknown	Unknown	Unknown	Good
EL1437RL00000011H	T.L. ANO MERAS	(New WB)	Unknown	(New WB)	Good
Dodecanese Islands RB (EL1438)					
EL1438RL00000005H	T.L. LEIBADIOY	Unknown	Unknown	Unknown	Good
EL1438RL00000006H	T.L. GADOYRA	Unknown	Unknown	Unknown	Unknown
EL1438RL00000013H	T.L. APOLAKKIAS	(New WB)	Unknown	(New WB)	Unknown

6.1.3 Status assessment of Transitional Water Bodies

No transitional WB's have been identified in the examined RBD.

6.1.4 Status assessment of Coastal Water Bodies

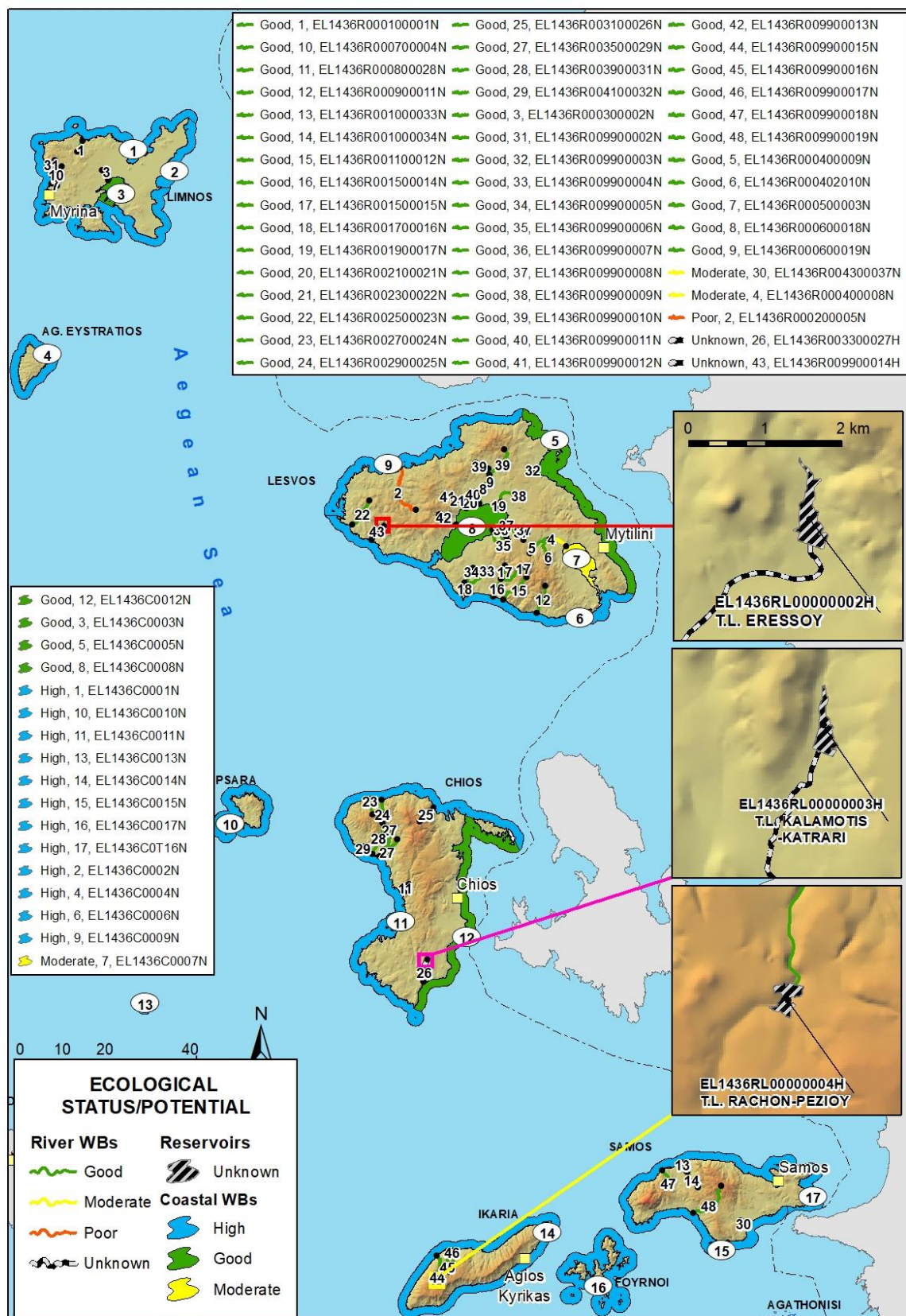
In the examined RBD, **87 coastal WB's** have been identified. The table that follows presents the ecological and chemical status of the coastal WB's per RB, along with their variations between the 1st and the Revised RBMP.

Table 6-3 Status and differences in the status of coastal WBs between the 1st RBMP and the 1st Revision of RBMP

WB Code	WB Name	Ecological Status/Potential		Chemical Status	
		1 st RBMP	1 st RBMP Update	1 st RBMP	1 st RBMP Update
Eastern Aegean RB (EL1436)					
EL1436C0001N	AKTES LIMNOY	High	High	Unknown	Good
EL1436C0002N	AKTES ALYKIS	High	High	Unknown	Good
EL1436C0003N	KOLPOS MOYDROY (LIMNOS)	Good	Good	Unknown	Good
EL1436C0004N	AKTES AG. EYSTRATIOY	High	High	Unknown	Good
EL1436C0005N	ELLINIKES AKTES DIAYLOY LESBOY	Good	Good	Unknown	Good
EL1436C0006N	AKTES NOTIOY LESBOY	Good	High	Unknown	Good
EL1436C0007N	KOLPOS GERAS (LESBOS)	Moderate	Moderate	Unknown	Good

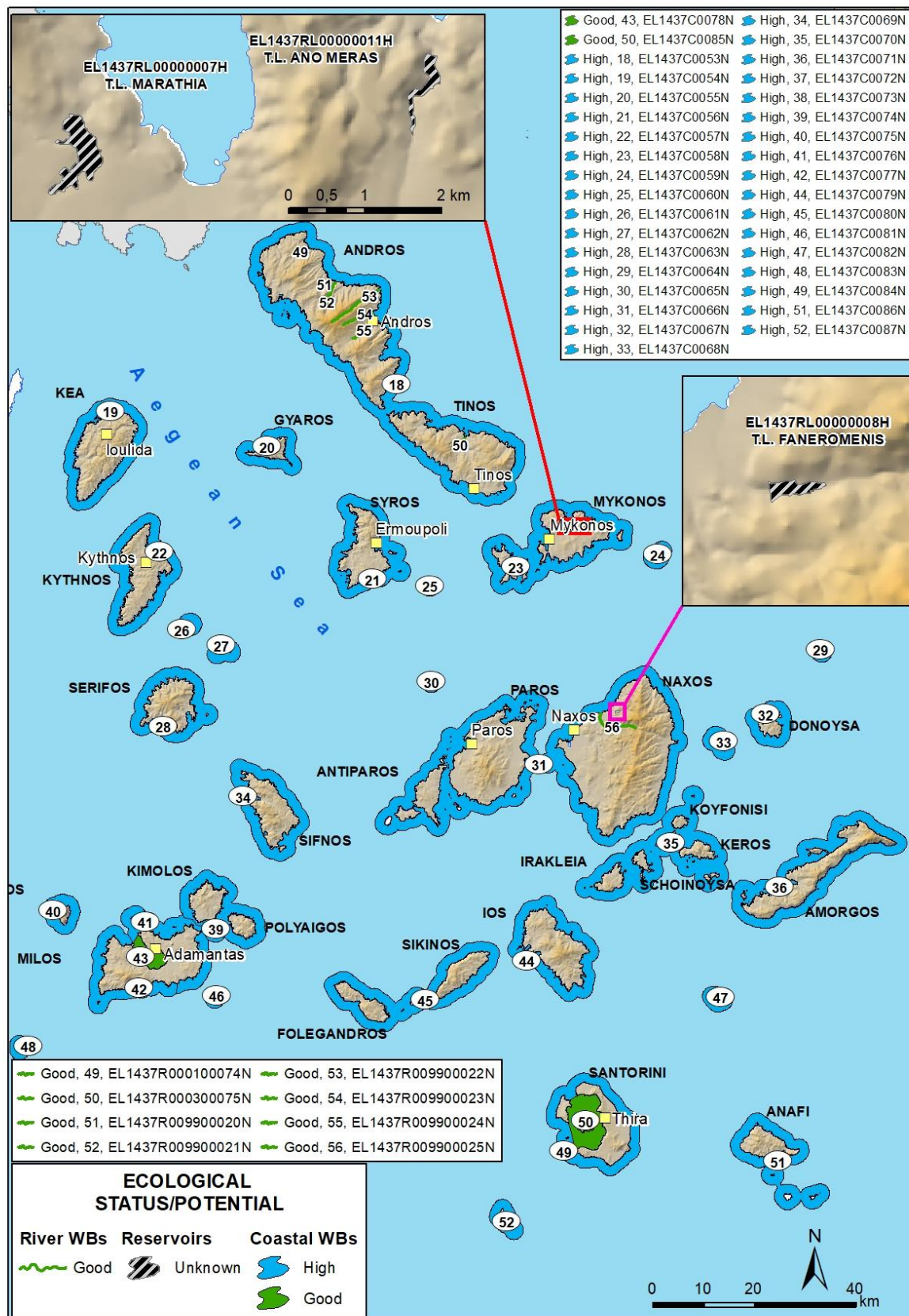
WB Code	WB Name	Ecological Status/Potential		Chemical Status	
		1 st RBMP	1 st RBMP Update	1 st RBMP	1 st RBMP Update
EL1436C0008N	KOLPOS KALLONIS (LESBOS)	Unknown	Good	Unknown	Good
EL1436C0009N	AKTES DYT. LESBOY	High	High	Unknown	Good
EL1436C0010N	AKTES PSARON	High	High	Unknown	Good
EL1436C0011N	DYT. BOREIES AKTES CHIOY	High	High	Unknown	Good
EL1436C0012N	AKTES DIAYLOY CHIOY	High	Good	Unknown	Good
EL1436C0013N	NISIDA_1	High	High	Unknown	Good
EL1436C0014N	AKTES IKARIAS	Good	High	Unknown	Good
EL1436C0015N	AKTES SAMOY	Good	High	Unknown	Good
EL1436C0017N	AKTES FOYRNON	Good	High	Unknown	Good
EL1436C0T16N	AKTES SAMOY	Good	High	Unknown	Good
Cyclades RB (EL1437)					
EL1437C0053N	AKTES ANDROY - TINOY	Good	High	Unknown	Good
EL1437C0054N	AKTES KEAS	Good	High	Unknown	Good
EL1437C0055N	AKTES GYAROY	Good	High	Unknown	Good
EL1437C0056N	AKTES SYROY	Good	High	Unknown	Good
EL1437C0057N	AKTES KYTHNOY	Good	High	Unknown	Good
EL1437C0058N	AKTES MYKONOIY	Good	High	Unknown	Good
EL1437C0059N	NISIDA_13	Good	High	Unknown	Good
EL1437C0060N	NISIDA_4	Good	High	Unknown	Good
EL1437C0061N	NISIDA_8	High	High	Unknown	Good
EL1437C0062N	AKTES SERIFOPOYLAS	High	High	Unknown	Good
EL1437C0063N	AKTES SERIFOY	Good	High	Unknown	Good
EL1437C0064N	NISIDA_6	Good	High	Unknown	Good
EL1437C0065N	NISIDA_3	Good	High	Unknown	Good
EL1437C0066N	AKTES PARO-NAXIAS	High	High	Unknown	Good
EL1437C0067N	AKTES DONOYSAS	Good	High	Unknown	Good
EL1437C0068N	AKTES MEGALONISIOY	Good	High	Unknown	Good
EL1437C0069N	AKTES SIFNOY	High	High	Unknown	Good
EL1437C0070N	AKTES KOYFONISION	Good	High	Unknown	Good
EL1437C0071N	AKTES AMORGOY	High	High	Unknown	Good
EL1437C0072N	AKTES N. MEGALO LIBADI	Good	High	Unknown	Good
EL1437C0073N	NISIDA_12	Good	High	Unknown	Good
EL1437C0074N	AKTES KIMOLOY	Good	High	Unknown	Good
EL1437C0075N	AKTES ANTIMILOY	Good	High	Unknown	Good
EL1437C0076N	BOREIES ANATOL. AKTES MILOY	Good	High	Unknown	Good
EL1437C0077N	NOTIES - DYTIKES AKTES MILOY	Good	High	Unknown	Good
EL1437C0078N	KOLPOS ADAMANTA (MILOS)	Good	Good	Unknown	Good
EL1437C0079N	AKTES IOY	Good	High	Unknown	Good
EL1437C0080N	AKTES SIKINOY - FOLEGANDROY	Good	High	Unknown	Good
EL1437C0081N	NISIDA_2	Good	High	Unknown	Good
EL1437C0082N	AKTES ANYDROY	Good	High	Unknown	Good
EL1437C0083N	NISIDA_9	Good	High	Unknown	Good
EL1437C0084N	EXOTERIKES AKTES KALDERAS SANTORINIS	Good	High	Unknown	Good
EL1437C0085N	KALDERA SANTORINIS	Good	Good	Unknown	Good
EL1437C0086N	AKTES ANAFIS	Good	High	Unknown	Good
EL1437C0087N	NISIDA_15	Good	High	Unknown	Good
Dodecanese Islands RB (EL1438)					
EL1438C0018N	AKTES AGATHONISIOY	Good	High	Unknown	Good
EL1438C0019N	AKTES N. ANYDROY	Good	High	Unknown	Good
EL1438C0020N	AKTES LEIPSON - ARKON	Good	High	Unknown	Good
EL1438C0021N	AKTES PATMOY	Good	High	Unknown	Good
EL1438C0022N	AKTES FARMAKONISIOY	Good	High	Unknown	Good
EL1438C0023N	AKTES LEROY - KALYMNOY - B. KO	Good	High	Unknown	Good
EL1438C0024N	AKTES KALOLIMNOY	Good	High	Unknown	Good

WB Code	WB Name	Ecological Status/Potential		Chemical Status	
		1 st RBMP	1 st RBMP Update	1 st RBMP	1 st RBMP Update
EL1438C0025N	AKTES LEBITHA	Good	High	Unknown	Good
EL1438C0026N	AKTES N. KO	Good	Good	Unknown	Good
EL1438C0027N	ANAT. AKTES NISYROY	Good	Good	Unknown	Good
EL1438C0028N	DYT. AKTES NISYROY	Good	High	Unknown	Good
EL1438C0029N	AKTES ASTYPALAIAS	Good	High	Unknown	Good
EL1438C0030N	AKTES OFIDOYSAS	Good	High	Unknown	Good
EL1438C0031N	AKTES SYMIS	Good	Good	Unknown	Good
EL1438C0032N	AKTES KANDELIOYSSA	Good	High	Unknown	Good
EL1438C0033N	AKTES N. ADELFOI	Good	High	Unknown	Good
EL1438C0034N	ANAT. AKTES TILOY	Good	Good	Unknown	Good
EL1438C0035N	DYT. AKTES TILOY	Good	High	Unknown	Good
EL1438C0036N	BOREIES AKTES RODOY - CHALKIS	Good	Good	Unknown	Good
EL1438C0037N	ANAT. AKTES RODOY	Good	Good	Unknown	Good
EL1438C0038N	DYT. AKTES RODOY	Good	High	Unknown	Good
EL1438C0039N	AKTES NOTIAS CHALKIS	Good	High	Unknown	Good
EL1438C0040N	AKTES SYRNA	Good	High	Unknown	Good
EL1438C0041N	AKTES KASTELORIZOY	Good	High	Unknown	Good
EL1438C0042N	AKTES N. SOFRANA	Good	High	Unknown	Good
EL1438C0043N	NISIDA_7	Good	High	Good	Good
EL1438C0044N	NISIDA_5	Good	High	Unknown	Good
EL1438C0045N	NISIDA_14	Good	High	Unknown	Good
EL1438C0046N	ANAT. AKTES KARPATHOY	Good	Good	Unknown	Good
EL1438C0047N	DYT. AKTES KARPATHOY	Good	High	Unknown	Good
EL1438C0048N	NISIDA_16	Good	Good	Unknown	Good
EL1438C0049N	NISIDA_10	Good	High	Unknown	Good
EL1438C0050N	NISIDA_11	Good	High	Good	Good
EL1438C0051N	BOREIES AKTES KASOY	Good	High	Unknown	Good
EL1438C0052N	NOTIES AKTES KASOY	Good	Good	Unknown	Good



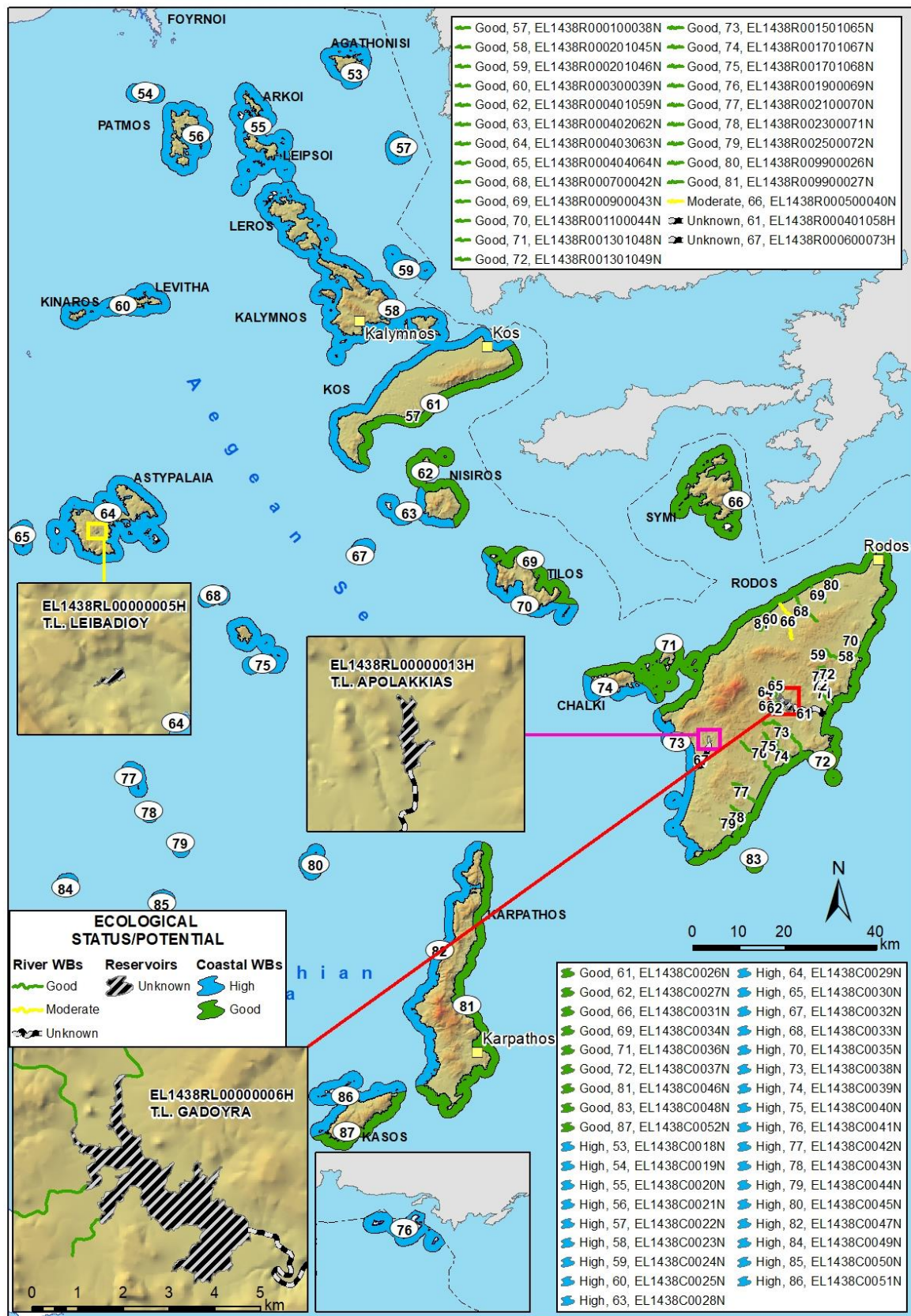
Map 6-1

Ecological status/ potential of surface WBs of RB EL1436 of Aegean Islands RBD (EL14)



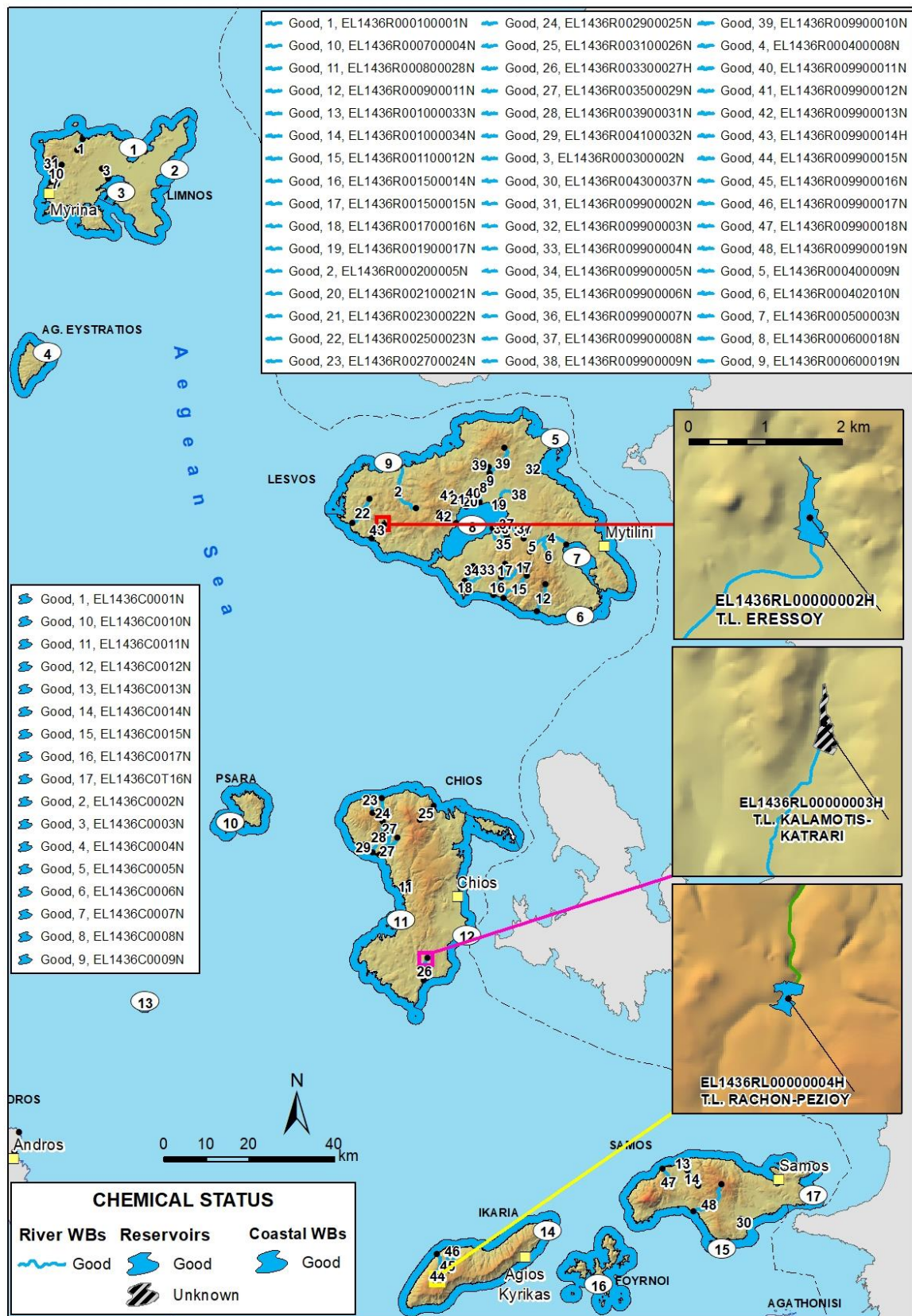
Map 6-2

Ecological status/ potential of surface WBs of RB EL1437 of Aegean Islands RBD (EL14)



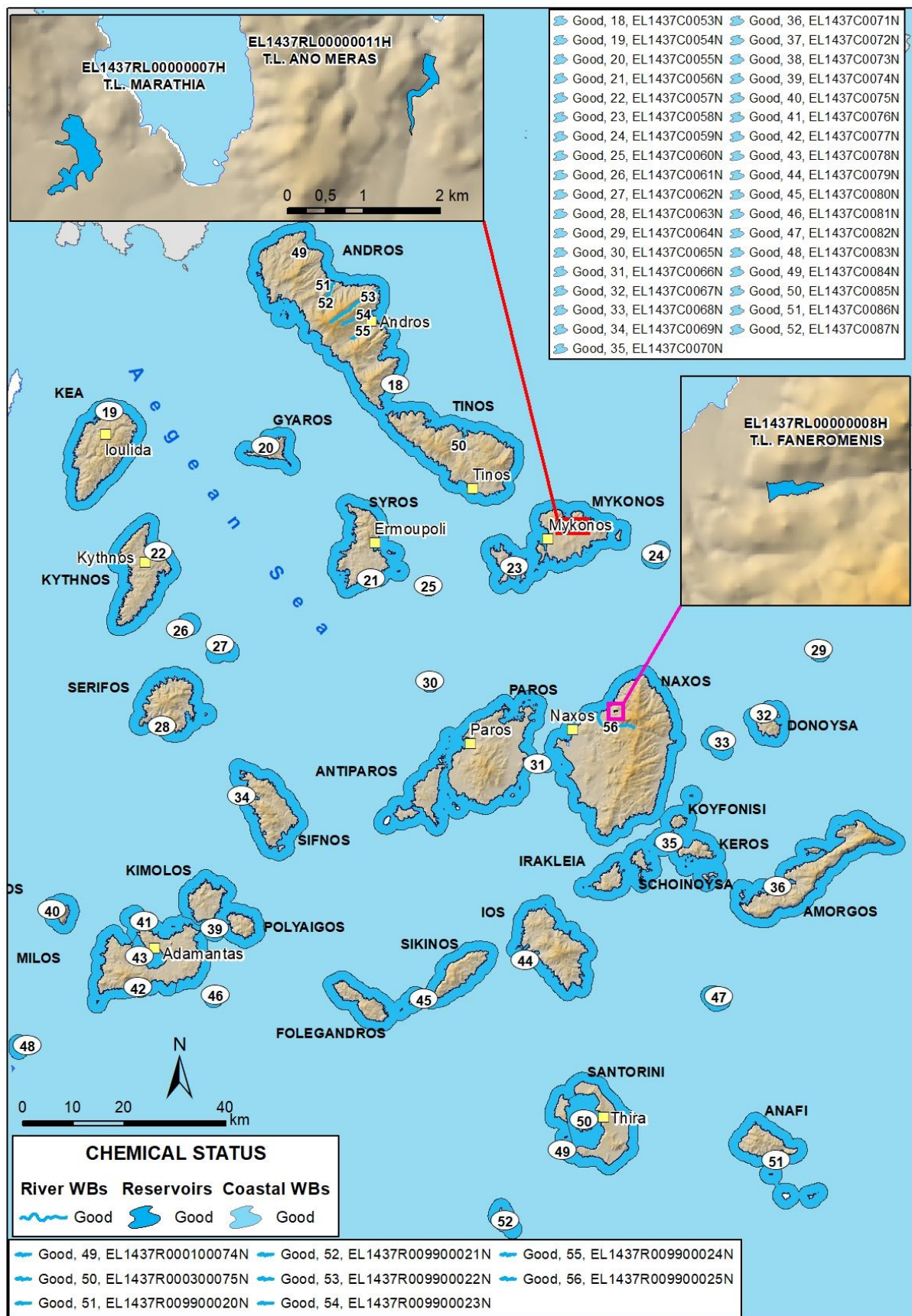
Map 6-3

Ecological status/ potential of surface WBs of RB EL1438 of Aegean Islands RBD (EL14)



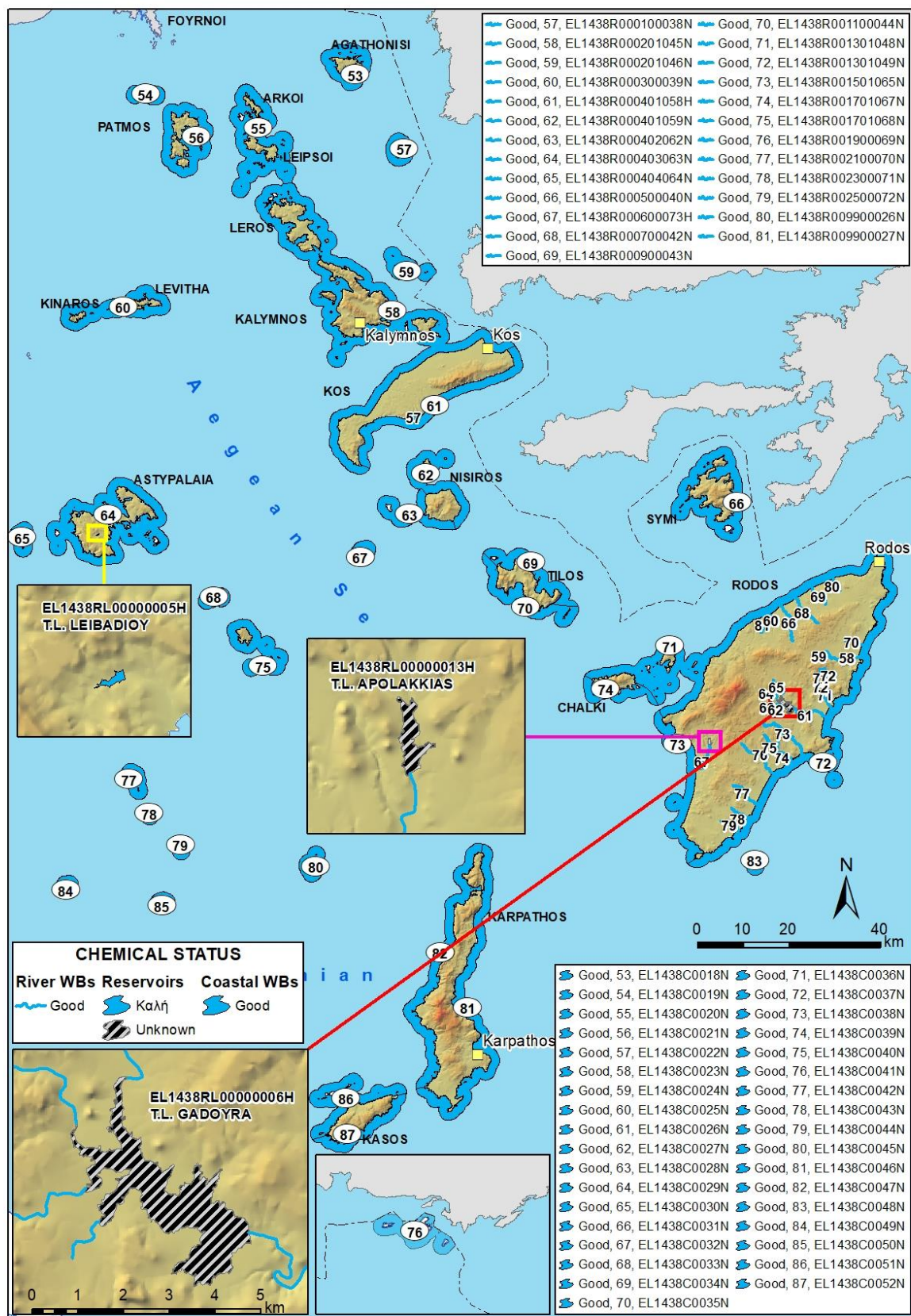
Map 6-4

Chemical status of surface WBs of RB EL1436 of Aegean Islands RBD (EL14)



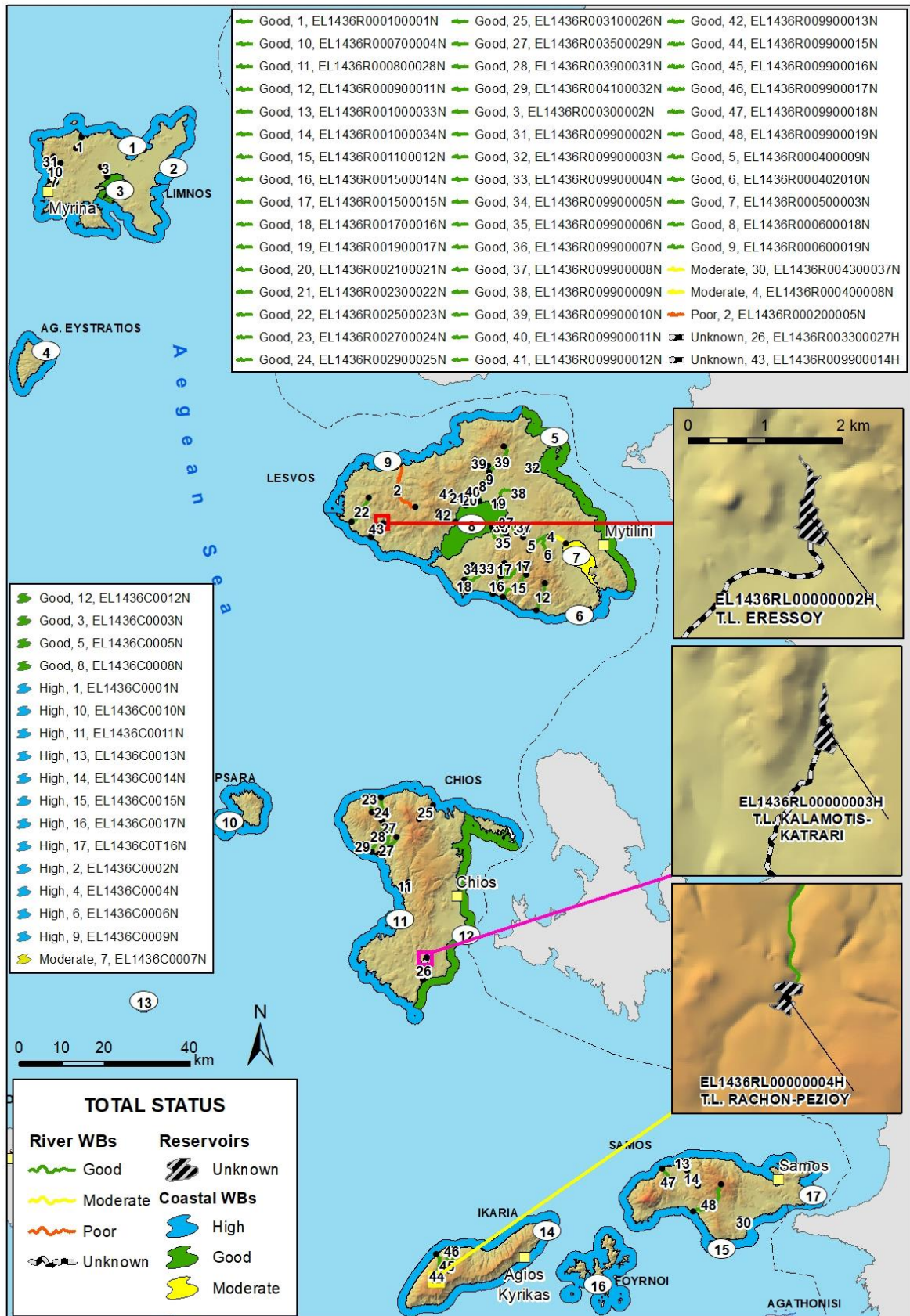
Map 6-5

Chemical status of surface WBs of RB EL1437 of Aegean Islands RBD (EL14)



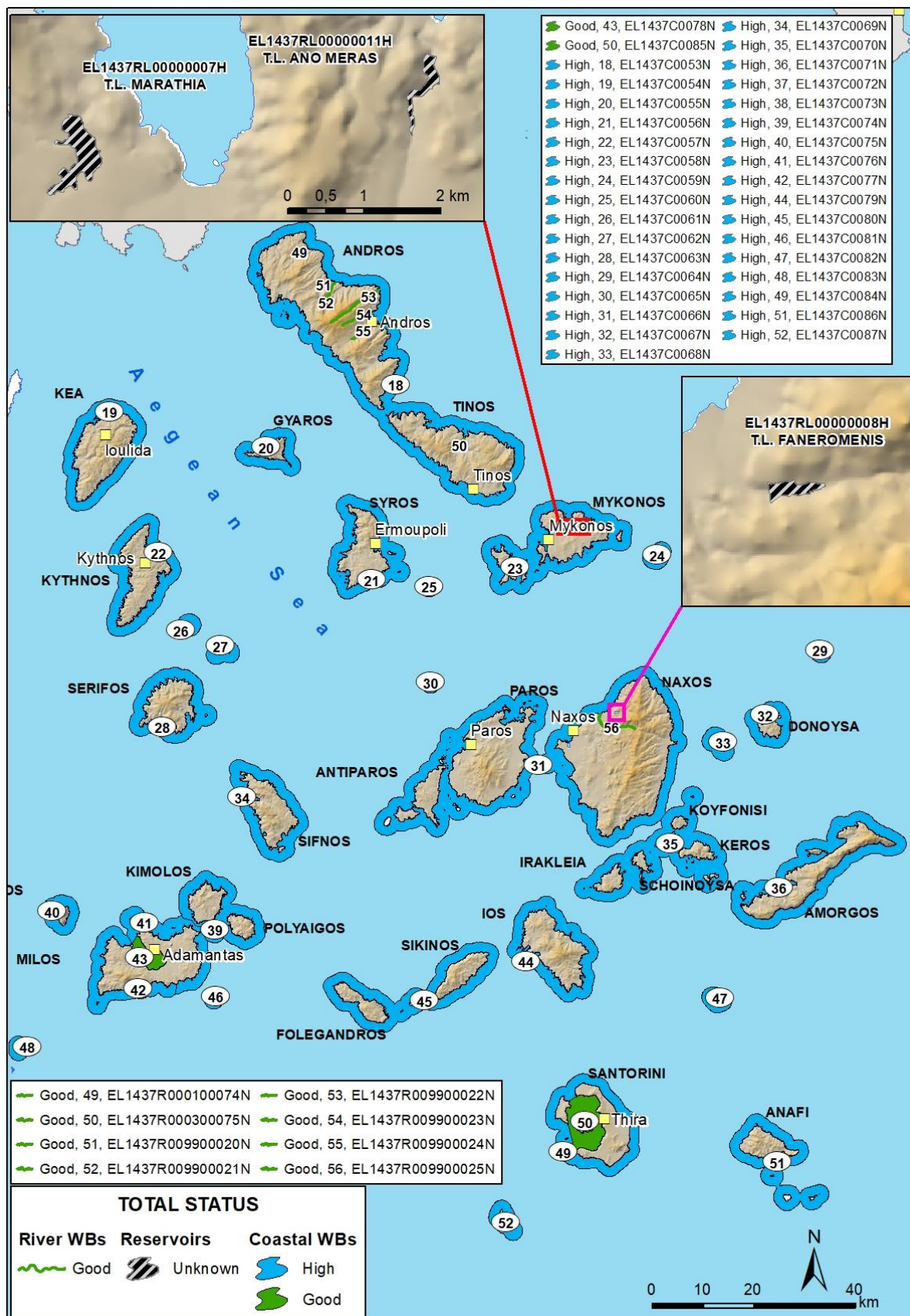
Map 6-6

Chemical status of surface WBs of RB EL1438 of Aegean Islands RBD (EL14)



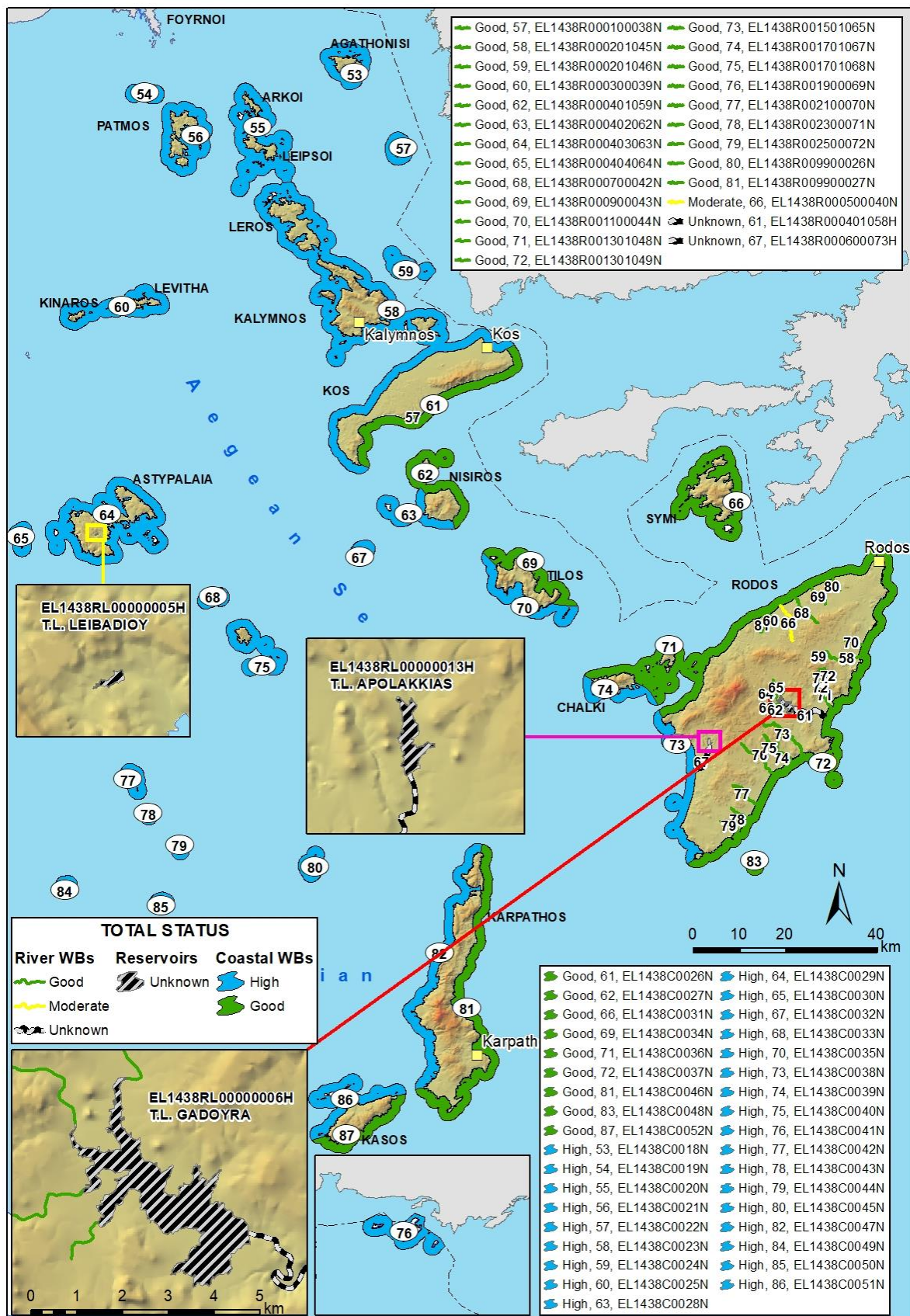
Map 6-7

Total status of surface WBs of RB EL1436 of Aegean Islands RBD (EL14)



Map 6-8

Total status of surface WBs of RB EL1437 of Aegean Islands RBD (EL14)



Map 6-9

Total status of surface WBs of RB EL1438 of Aegean Islands RBD (EL14)

6.2 Classification of the Status of Groundwater Bodies

In the Aegean Islands RBD (EL14), **116 GWB's** have been identified, 28 of them have been classified as “poor chemical and quantitative status”.

The table that follows presents the chemical and quantitative status of the GWB's per RB, between the 1st and the Revised RBMP. The chemical and quantitative status of the GWB's is also presented on the maps that follow.

Table 6-4 Status and differences in the status of GWBs between the 1st RBMP and the 1st Revision of RBMP

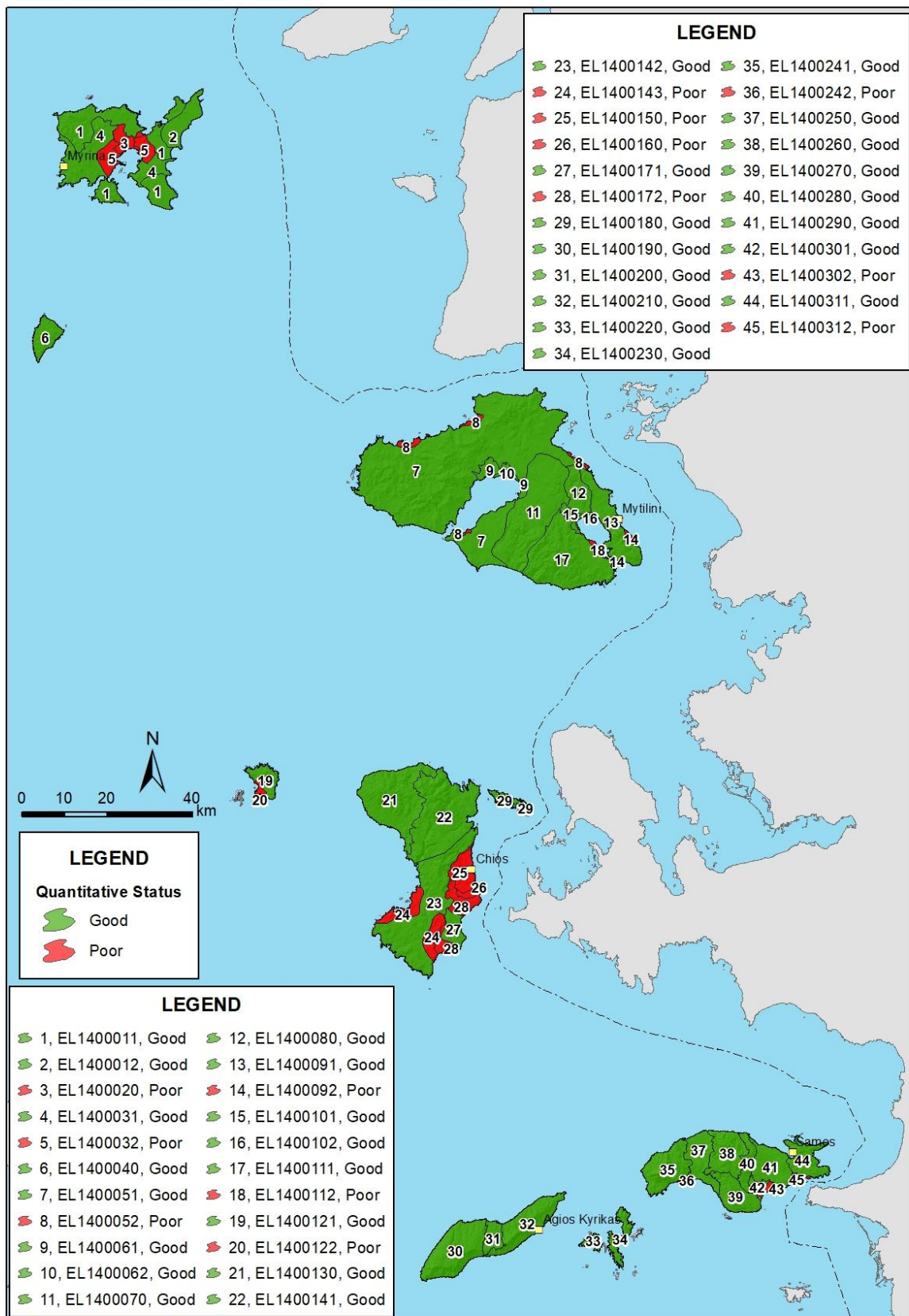
No	Island	GWB Code	GWB Name	Remarks	1 st RBMP		1 st RBMP Update	
					Chemical status	Quantitative status	Chemical status	Quantitative status
Eastern Aegean RB (EL1436)								
1	Limnos	EL1400011	SYSTIMA FLYSCHIKON SCHIMATISMON (A), N.LIMNOS		Good	Good	Good	Good
2	Limnos	EL1400012	SYSTIMA FLYSCHIKON SCHIMATISMON (G), N.LIMNOS	1 st RBMP Code GWB: EL1400012 Name GWB: FLYSCHIKON SCHIMATISMON (B)	Poor	Poor	Good	Good
3	Limnos	EL1400020	SYSTIMA AERODROMIOY (A), N.LIMNOS		Poor	Poor	Poor	Poor
4	Limnos	EL1400031	SYSTIMA IFAISTEIAKON SCHIMATISMON (A), N.LIMNOS		Good	Good	Good	Good
5	Limnos	EL1400032	SYSTIMA IFAISTEIAKON SCHIMATISMON (B), N.LIMNOS		Poor	Poor	Poor	Poor
6	Ag.Eystratios	EL1400040	SYSTIMA AGIOY EYSTRATIOY, N. AG. EYSTRATIOS		Good	Good	Good	Good
7	Lesvos	EL1400051	SYSTIMA IFAISTEIAKON KENTRIKIS & DYTIKIS LESBOY (A), N.LESBOS		Good	Good	Good	Good
8	Lesvos	EL1400052	SYSTIMA IFAISTEIAKON KENTRIKIS & DYTIKIS LESBOY (B), N.LESBOS		Poor	Poor	Poor	Poor
9	Lesvos	EL1400061	SYSTIMA KALLONIS (A), N.LESBOS		Good	Good	Good	Good
10	Lesvos	EL1400062	SYSTIMA KALLONIS (G), N.LESBOS	1 st RBMP Code GWB: EL1400062 Name GWB: KALLONIS (B)	Poor	Poor	Good	Good
11	Lesvos	EL1400070	SYSTIMA OFIOLITHIKOY SYMPLEGMATOS, N.LESBOS		Good	Good	Good	Good
12	Lesvos	EL1400080	SYSTIMA LARSOY, N.LESBOS		Good	Good	Good	Good
13	Lesvos	EL1400091	SYSTIMA MYTILINIS (A), N.LESBOS		Good	Good	Good	Good
14	Lesvos	EL1400092	SYSTIMA MYTILINIS (B), N.LESBOS		Poor	Poor	Poor	Poor
15	Lesvos	EL1400101	SYSTIMA GERA (A), N.LESBOS		Good	Good	Good	Good
16	Lesvos	EL1400102	SYSTIMA GERA (G), N.LESBOS	1 st RBMP Code GWB: EL1400102 Name GWB: GERA (B)	Poor	Poor	Good	Good
17	Lesvos	EL1400111	SYSTIMA SEDOYNTA - PLOMARIOY (A), N.LESBOS		Good	Good	Good	Good
18	Lesvos	EL1400112	SYSTIMA SEDOYNTA - PLOMARIOY (B), N.LESBOS		Poor	Poor	Poor	Poor
19	Psara	EL1400121	SYSTIMA ACHLADOKAMPOY - LIMNOY (A), N.PSARA		Good	Good	Good	Good
20	Psara	EL1400122	SYSTIMA ACHLADOKAMPOY - LIMNOY (B), N.PSARA		Poor	Poor	Poor	Poor
21	Chios	EL1400130	SYSTIMA BD/KIS CHIOY, N.CHIOS		Good	Good	Good	Good

No	Island	GWB Code	GWB Name	Remarks	1 st RBMP		1 st RBMP Update	
					Chemical status	Quantitative status	Chemical status	Quantitative status
22	Chios	EL1400141	SYSTIMA KARDAMYLON (A), N.CHIOS	1 st RBMP Code GWB: EL1400141 Name GWB: KARDAMYLON MESTON (A)	Good	Good	Good	Good
23	Chios	EL1400142	SYSTIMA NOTIOY CHIOY (A), N.CHIOS				Good	Good
24	Chios	EL1400143	NOTIOY CHIOY (B), N.CHIOS	1 st RBMP Code GWB: EL1400142 Name GWB: KARDAMYLON MESTON (B)	Poor	Poor	Poor	Poor
25	Chios	EL1400150	SYSTIMA KORAKARI, N.CHIOS		Poor	Poor	Poor	Poor
26	Chios	EL1400160	SYSTIMA KAMPOY, N.CHIOS		Poor	Poor	Poor	Poor
27	Chios	EL1400171	SYSTIMA KALAMOTIS - NENITA (A), N.CHIOS		Good	Good	Good	Good
28	Chios	EL1400172	SYSTIMA KALAMOTIS - NENITA (B), N.CHIOS		Poor	Poor	Poor	Poor
29	Oinousses	EL1400180	SYSTIMA OINOYSON, N.OINOYSES		Good	Good	Good	Good
30	Ikaria	EL1400190	SYSTIMA RACHON, N.IKARIAS		Good	Good	Good	Good
31	Ikaria	EL1400200	SYSTIMA EYDILOY, N.IKARIAS		Good	Good	Good	Good
32	Ikaria	EL1400210	SYSTIMA AG. KIRYKOY, N.IKARIAS		Good	Good	Good	Good
33	Thymaina	EL1400220	SYSTIMA THYMAINAS, N.THYMAINA		Good	Good	Good	Good
34	Fournoi	EL1400230	SYSTIMA FOYRNON, N.FOYRNOI		Good	Good	Good	Good
35	Samos	EL1400241	SYSTIMA KERKETE (A), N. SAMOS		Good	Good	Good	Good
36	Samos	EL1400242	SYSTIMA KERKETE (B), N. SAMOS		Poor	Poor	Poor	Poor
37	Samos	EL1400250	SYSTIMA YDROYSAS - MARATHOKAMPOY, N.SAMOS		Good	Good	Good	Good
38	Samos	EL1400260	SYSTIMA KARBOYNI, N.SAMOS		Good	Good	Good	Good
39	Samos	EL1400270	SYSTIMA IMBRESSOY, N.SAMOS		Good	Good	Good	Good
40	Samos	EL1400280	SYSTIMA BOYRLIOTON - MYLON, N.SAMOS		Good	Good	Good	Good
41	Samos	EL1400290	SYSTIMA MYTILINION - CHORAS, N.SAMOS		Good	Good	Good	Good
42	Samos	EL1400301	SYSTIMA KAMPOY CHORAS (A), N.SAMOS		Good	Good	Good	Good
43	Samos	EL1400302	SYSTIMA KAMPOY CHORAS (B), N.SAMOS		Poor	Poor	Poor	Poor
44	Samos	EL1400311	SYSTIMA BATHEOS, N.SAMOS		Good	Good	Good	Good
45	Samos	EL1400312	SYSTIMA MESOKAMPOY, N.SAMOS		Poor	Poor	Poor	Poor
Cyclades RB (EL1437)								

No	Island	GWB Code	GWB Name	Remarks	1 st RBMP		1 st RBMP Update	
					Chemical status	Quantitative status	Chemical status	Quantitative status
46	Andros	EL1400630	SYSTIMA ANDROY, N.ANDROS		Good	Good	Good	Good
47	Tinos	EL1400640	SYSTIMA TINOY, N.TINOS		Good	Good	Good	Good
48	Kea	EL1400650	SYSTIMA KEAS, N.KEA		Good	Good	Good	Good
49	Kythnos	EL1400660	SYSTIMA KYTHNOY, N.KYTHNOS		Good	Good	Good	Good
50	Syros	EL1400671	SYSTIMA SYROY (A), N.SYROS		Good	Good	Good	Good
51	Syros	EL1400672	SYSTIMA SYROY (B), N.SYROS		Poor	Poor	Poor	Poor
52	Syros	EL1400673	SYSTIMA SYROY (G), N.SYROS		Poor	Poor	Poor	Poor
53	Mykonos	EL1400680	SYSTIMA AERODROMIOY - ANO MERA, N.MYKONOS		Good	Good	Good	Good
54	Serifos	EL1400690	SYSTIMA NOCHTIAS, N.SERIFOS		Good	Good	Good	Good
55	Sifnos	EL1400700	SYSTIMA PROFITI ILIA - ARTEMONA, N.SIFNOS		Good	Good	Good	Good
56	Kimolos	EL1400710	SYSTIMA KIMOLOY, N.KIMOLOS		Good	Good	Good	Good
57	Milos	EL1400721	SYSTIMA ZEFYRIAS (A), N.MILOS		Good	Good	Good	Good
58	Milos	EL1400722	SYSTIMA ZEFYRIAS (B), N.MILOS		Poor	Poor	Poor	Poor
59	Milos	EL1400730	SYSTIMA MILOY, N.MILOS		Good	Good	Good	Good
60	Antiparos	EL1400740	SYSTIMA KAMPOY - AG. GEORGIOY (A), N.ANTIPAROS	1 st RBMP Code GWB: EL1400741 Name GWB: KAMPOY - AG. GEORGIOY (A)	Good	Good	Good	Good
				1 st RBMP Code GWB: EL1400742 Name GWB: KAMPOY - AG. GEORGIOY (B)	Poor	Poor		
61	Paros	EL1400751	SYSTIMA MARATHIOY (A), N.PAROS		Good	Good	Good	Good
62	Paros	EL1400752	SYSTIMA MARATHIOY (B), N.PAROS		Poor	Poor	Poor	Poor
63	Naxos	EL1400760	SYSTIMA LIBADIOY, N.NAXOS		Poor	Poor	Poor	Poor
64	Naxos	EL1400770	SYSTIMA KENTRIKIS NAXOY - KOYROY, N.NAXOS		Good	Good	Good	Good
65	Naxos	EL1400780	SYSTIMA ANATOLIKIS NAXOY, N.NAXOS		Good	Good	Good	Good
66	Donousa	EL1400790	SYSTIMA DONOYSAS, N.DONOYSA		Good	Good	Good	Good
67	Amorgos	EL1400801	SYSTIMA KATAPOLON (A), N.AMORGOS		Good	Good	Good	Good
68	Amorgos	EL1400802	SYSTIMA KATAPOLON (B), N.AMORGOS		Poor	Poor	Poor	Poor
69	Kato Koufonisi	EL1400810	SYSTIMA KATO KOYFONISIOY, N.KOYFONISI		Good	Good	Good	Good
70	Shoinousa	EL1400820	SYSTIMA SCHOINOYSAS, N.SCHOINOYSA		Good	Good	Good	Good
71	Ios	EL1400830	SYSTIMA CHORAS, N.IOS		Good	Good	Good	Good

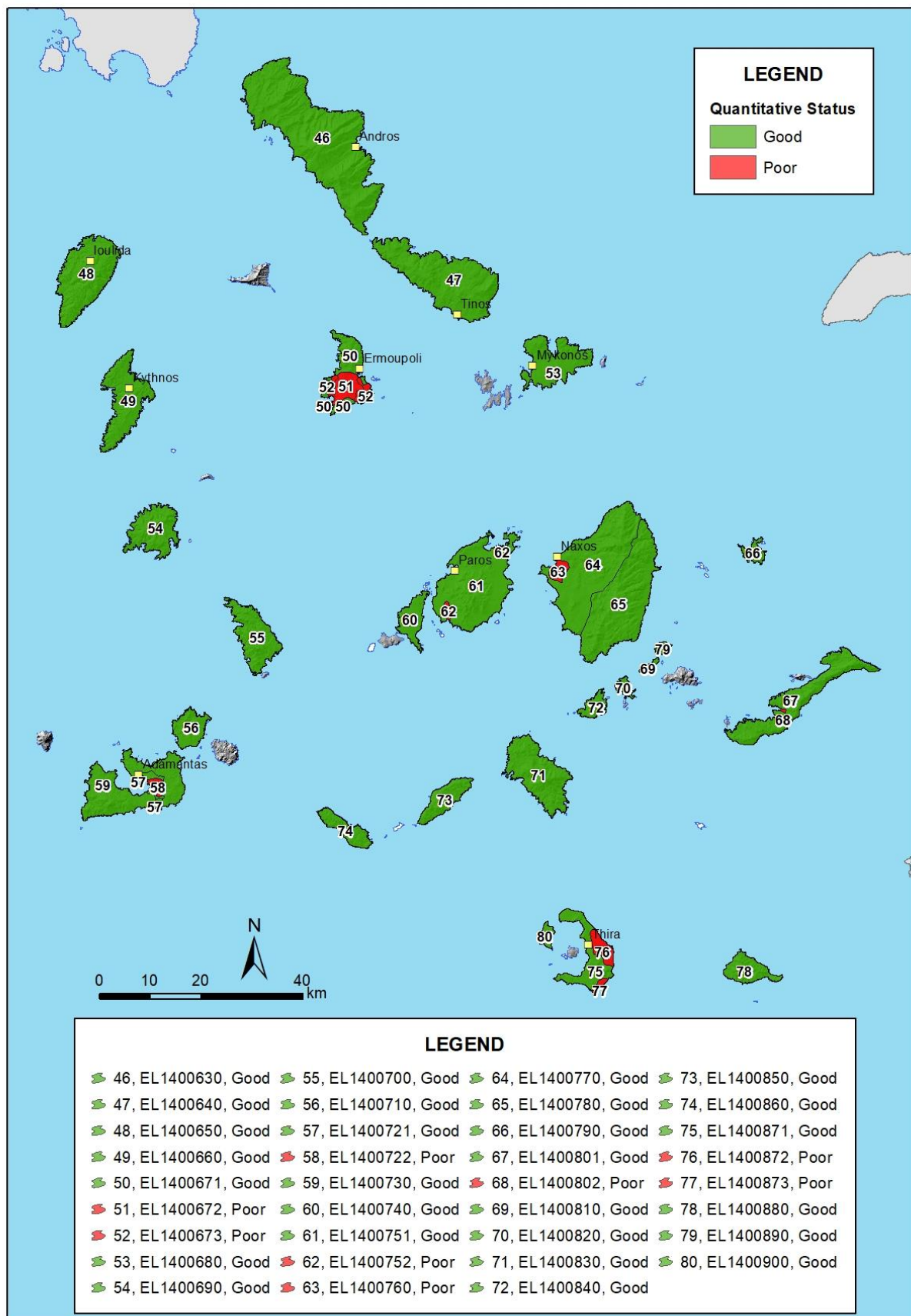
No	Island	GWB Code	GWB Name	Remarks	1 st RBMP		1 st RBMP Update	
					Chemical status	Quantitative status	Chemical status	Quantitative status
72	Irakleia	EL1400840	SYSTIMA IRAKLEIAS, N.IRAKLEIA		Good	Good	Good	Good
73	Sikinos	EL1400850	SYSTIMA SIKINOY, N.SIKINOS		Good	Good	Good	Good
74	Folegandos	EL1400860	SYSTIMA FOLEGANDROY, N.FOLEGANDROS		Good	Good	Good	Good
75	Thira	EL1400871	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (A), N.THIRA		Good	Good	Good	Good
76	Thira	EL1400872	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (B), N.THIRA		Poor	Poor	Poor	Poor
77	Thira	EL1400873	SYSTIMA KAMARIOY – FIRON – EMPOREIOY (G), N.THIRA		Poor	Poor	Poor	Poor
78	Anafi	EL1400880	SYSTIMA ANAFIS, N.ANAFI		Good	Good	Good	Good
79	Koufonisi	EL1400890	SYSTIMA KOYFONISIOY, N.KOYFONISI	NEW GWB	-	-	Good	Good
80	Thirasia	EL1400900	SYSTIMA THIRASIAS, N.THIRASIA	NEW GWB	-	-	Good	Good
Dodecanese Islands RB (EL1438)								
81	Pserimos	EL1400910	SYSTIMA PSERIMOY, N.PSERIMOS	NEW GWB	-	-	Good	Good
82	Agathonisi	EL1400320	SYSTIMA AGATHONISIOY, N.AGATHONISI		Good	Good	Good	Good
83	Arkoi	EL1400330	SYSTIMA ARKION, N.ARKOI		Good	Good	Good	Good
84	Leipsoi	EL1400341	SYSTIMA PANAGIAS - MOSCHATY (A), N.LEIPSOI		Good	Good	Good	Good
85	Leipsoi	EL1400342	SYSTIMA PANAGIAS - MOSCHATY (B), N.LEIPSOI		Poor	Poor	Poor	Poor
86	Patmos	EL1400350	SYSTIMA NEROMYLION, N.PATMOS		Good	Good	Good	Good
87	Leros	EL1400361	SYSTIMA LEROY (A), N.LEROS		Good	Good	Good	Good
88	Leros	EL1400362	SYSTIMA LEROY (B), N.LEROS		Poor	Poor	Poor	Poor
89	Kalymnos	EL1400370	SYSTIMA POTHEIAS, N.KALYMNOS		Poor	Poor	Poor	Poor
90	Kalymnos	EL1400380	SYSTIMA BATHEOS, N.KALYMNOS		Poor	Poor	Poor	Poor
91	Kalymnos	EL1400390	SYSTIMA KALYMNOY, N.KALYMNOS		Good	Good	Good	Good
92	Kos	EL1400400	SYSTIMA BOREIOY TMIMATOS N.KOS		Good	Good	Good	Good
93	Kos	EL1400410	SYSTIMA ANTIMACHEIAS-KEFALOY, N.KOS		Good	Good	Good	Good
94	Kos	EL1400420	SYSTIMA KEFALOBRYSSIS - ZIAS, N.KOS		Good	Good	Good	Good
95	Kos	EL1400430	SYSTIMA DIKAIY, N.KOS		Good	Good	Good	Good
96	Kos	EL1400440	SYSTIMA KARDAMAINAS, N.KOS		Poor	Poor	Poor	Poor
97	Nisyros	EL1400450	SYSTIMA NISYROY, N.NISYROS		Good	Good	Good	Good
98	Astipalaia	EL1400461	SYSTIMA LINOPOTIOY (A), N.ASTYPALAIA		Good	Good	Good	Good
99	Astipalaia	EL1400462	SYSTIMA LINOPOTIOY (B), N.ASTYPALAIA		Poor	Poor	Poor	Poor
100	Astipalaia	EL1400470	SYSTIMA ASTYPALAIAS, N.ASTYPALAIA		Good	Good	Good	Good
101	Tilos	EL1400480	SYSTIMA TILOY, N.TILOS		Good	Good	Good	Good
102	Symi	EL1400490	SYSTIMA SYSTIMA SYMIS, N.SYMI		Good	Good	Good	Good
103	Xalki	EL1400500	SYSTIMA CHALKIS, N. CHALKIS		Good	Good	Good	Good
104	Rodos	EL1400511	SYSTIMA BOREIOY TMIMATOS RODOY (A), N. RODOS		Good	Good	Good	Good

No	Island	GWB Code	GWB Name	Remarks	1 st RBMP		1 st RBMP Update	
					Chemical status	Quantitative status	Chemical status	Quantitative status
105	Rodos	EL1400512	SYSTIMA BOREIOY TMIMATOS RODOY (B), N. RODOS		Good	Good	Good	Good
106	Rodos	EL1400520	SYSTIMA PROF. ILIA - SALAKOY, N.RODOS		Good	Good	Good	Good
107	Rodos	EL1400530	SYSTIMA SYSTIMA EPTA PIGON, N.RODOS		Good	Good	Good	Good
108	Rodos	EL1400540	SYSTIMA KALATHOY - GADOYRA, N.RODOS		Good	Good	Good	Good
109	Rodos	EL1400550	SYSTIMA KENTRIKIS RODOY, N.RODOS		Good	Good	Good	Good
110	Rodos	EL1400560	SYSTIMA ATTABYROY, N.RODOS		Good	Good	Good	Good
111	Rodos	EL1400570	SYSTIMA APOLAKKIAS, N.RODOS		Good	Good	Good	Good
112	Rodos	EL1400580	SYSTIMA GENNADIOY, N.RODOS		Good	Good	Good	Good
113	Kastelorizo	EL1400590	SYSTIMA MEGISTIS, N.KASTELLORIZO		Good	Good	Good	Good
114	Karpathos	EL1400600	SYSTIMA KENTRIKIS KARPATHOY, N.KARPATOS		Good	Good	Good	Good
115	Kasos	EL1400610	SYSTIMA AGIAS MARINAS - EMPOREIOY, N.KASOS		Poor	Poor	Poor	Poor
116	Kasos	EL1400620	SYSTIMA KASOY, N.KASOS		Good	Good	Good	Good



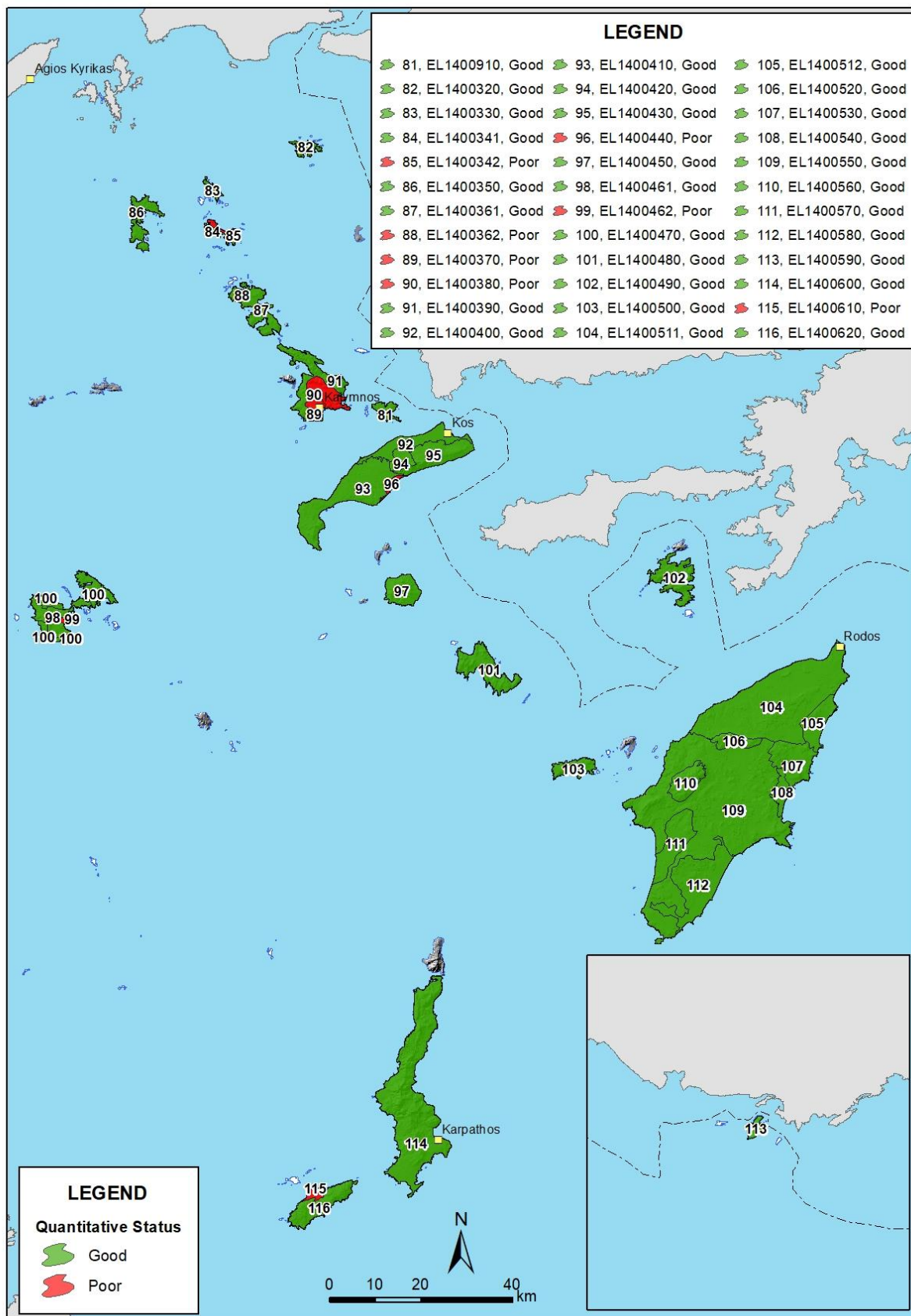
Map 6-10

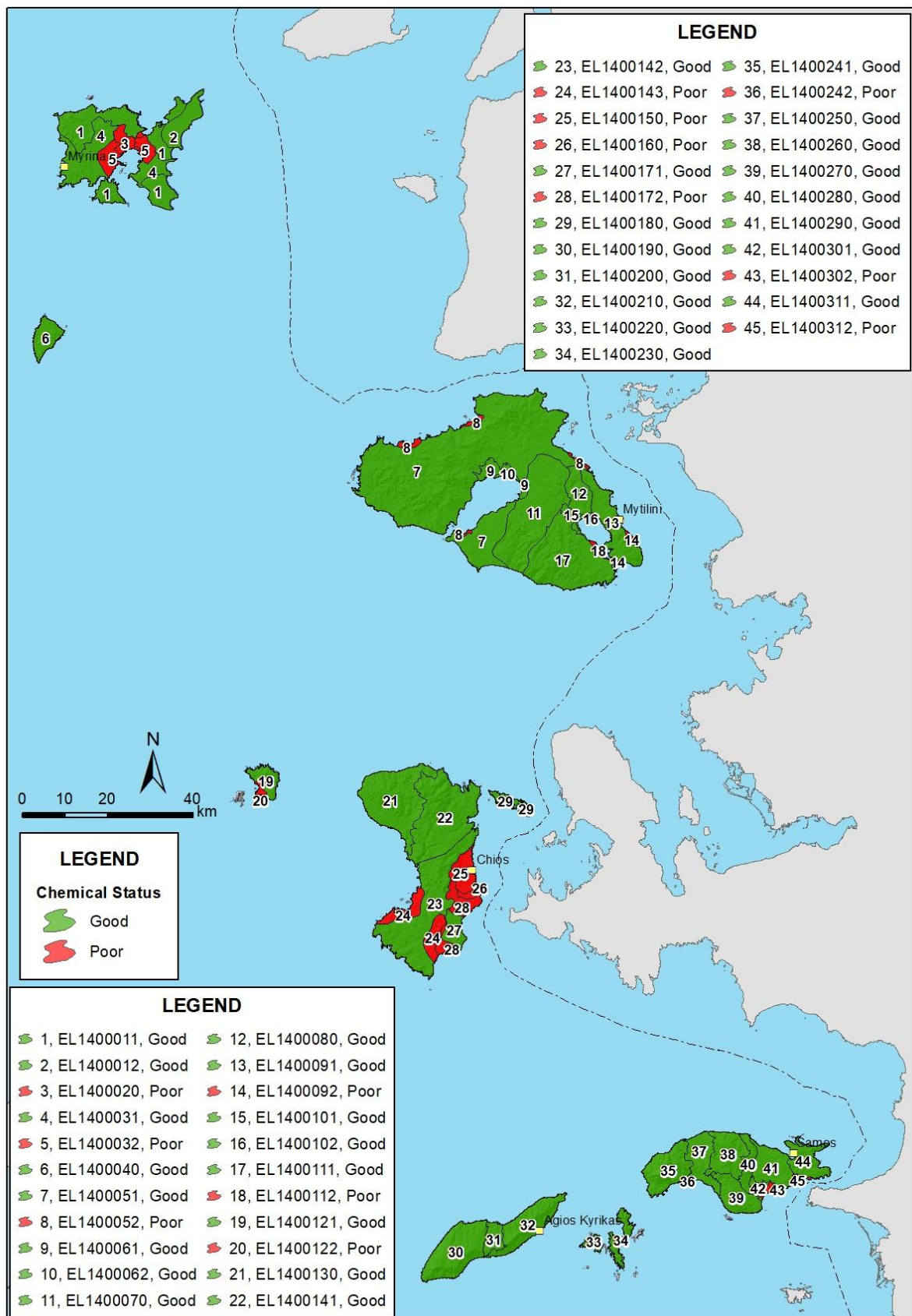
Quantitative status of GWBs of RB EL1436 of Aegean Islands RBD (EL14)



Map 6-11

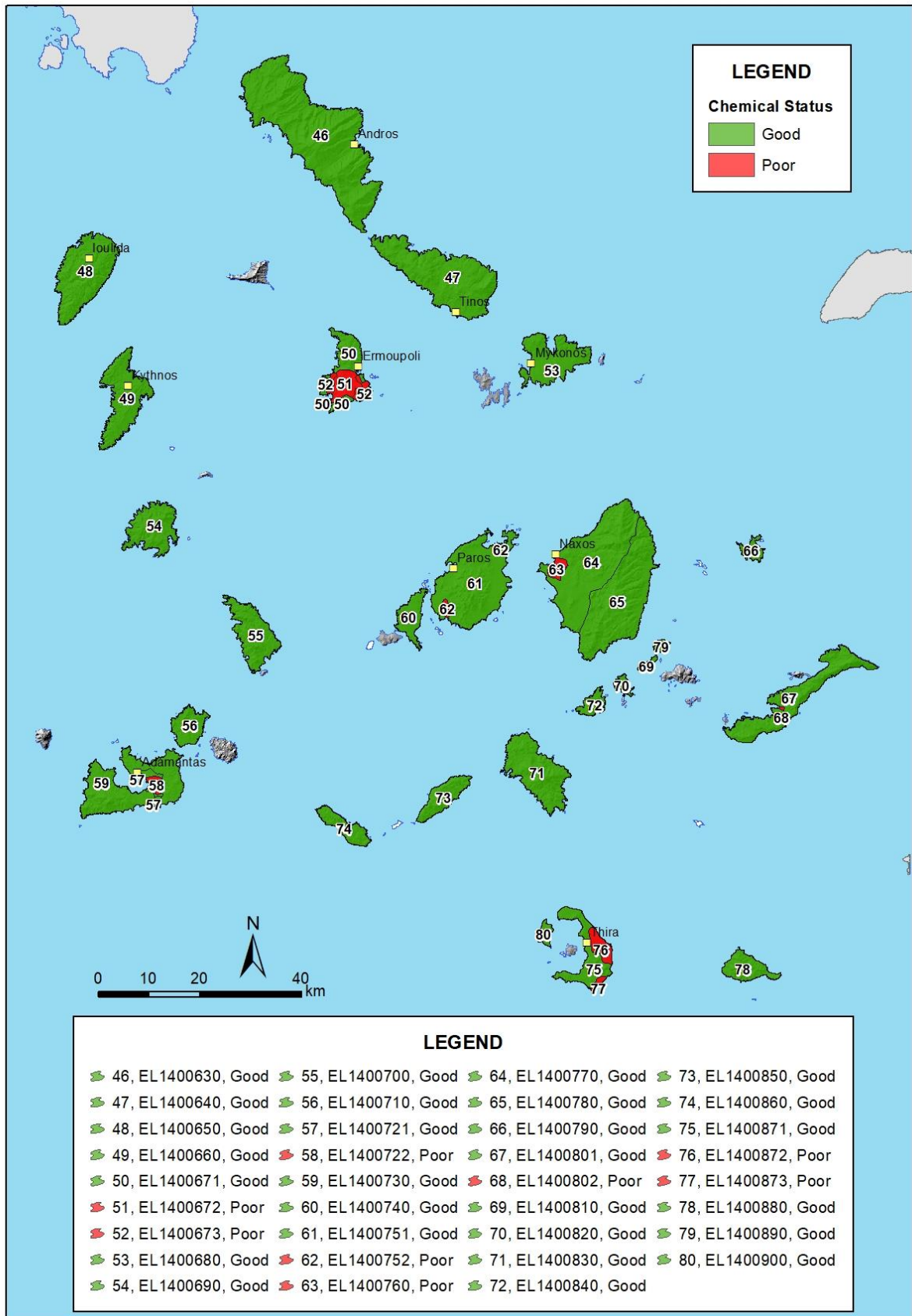
Quantitative status of GWBs of RB EL1437 of Aegean Islands RBD (EL14)





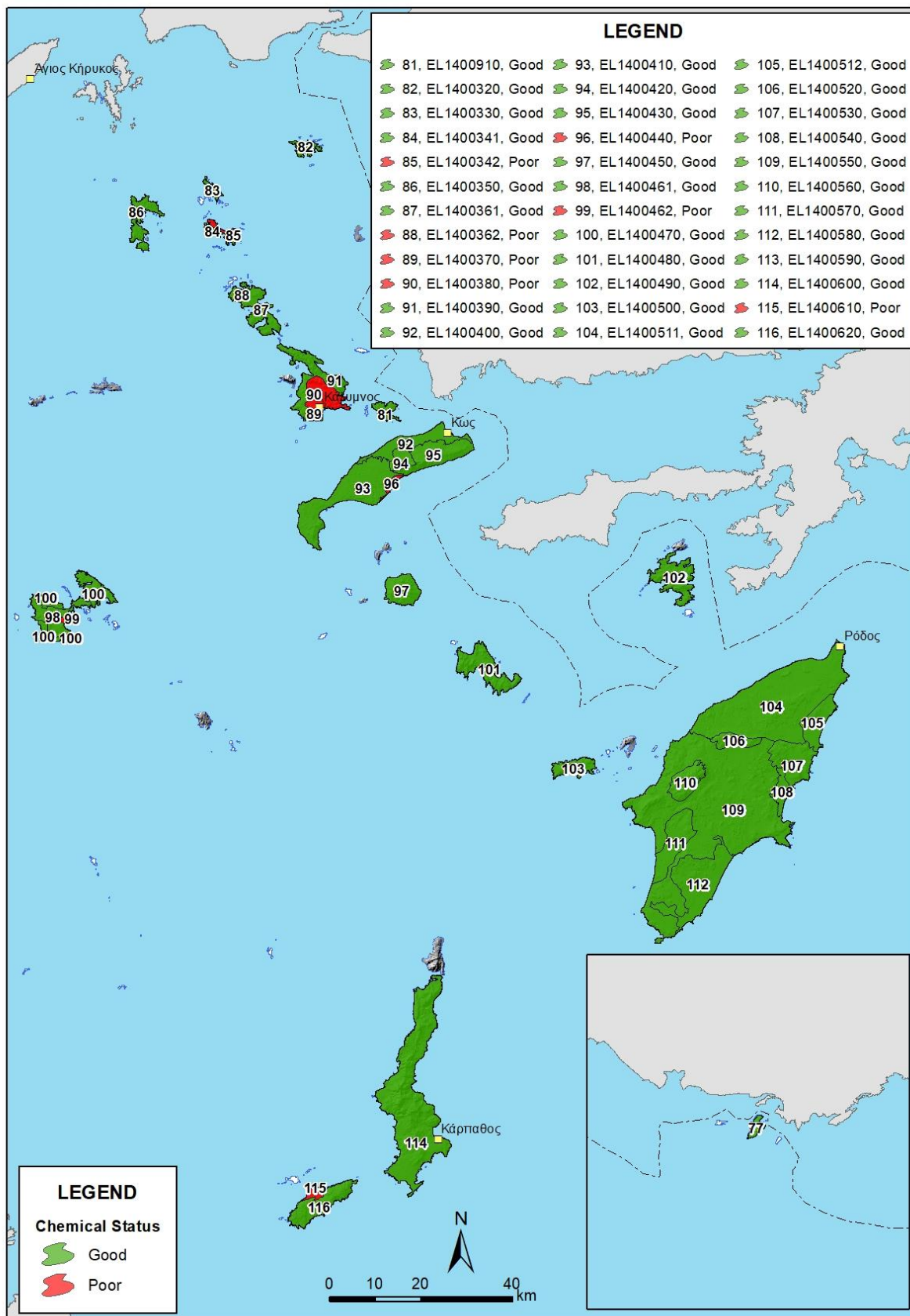
Map 6-13

Chemical status of GWBs of RB EL1436 of Aegean Islands RBD (EL14)



Map 6-14

Chemical status of GWBs of RB EL1437 of Aegean Islands RBD (EL14)



Map 6-15

Chemical status of GWBs of RB EL1438 of Aegean Islands RBD (EL14)

7 ECONOMIC ANALYSIS OF WATER USES

7.1 Water service cost estimation - Financial Cost

7.1.1 Water services for public water supply and sewage collection/treatment

The total financial cost of public water supply and sewage collection/ treatment in Aegean Islands RBD (EL14) amounts to 75.954.461 €. The recovery of the financial cost at RBD level is 81.91%, with the revenue at € 62.22 million versus cost at € 75.9 million.

Table 7-1 Public water supply financial cost recovery at RBs of Aegean Islands RBD (EL14)

RB	Total financial cost (€)	Average financial cost per unit (€/m ³)	Total revenue (€)	Average revenue per unit (€/m ³)	Financial cost recovery
EL1436	19.444.273	1,19	17.311.236	1,06	89,03%
EL1437	24.375.477	1,90	21.791.677	1,70	89,40%
EL1438	32.134.710	0,91	23.114.497	0,66	71,93%
TOTAL RBD	75.954.461	1,18	62.217.411	0,97	81,91%

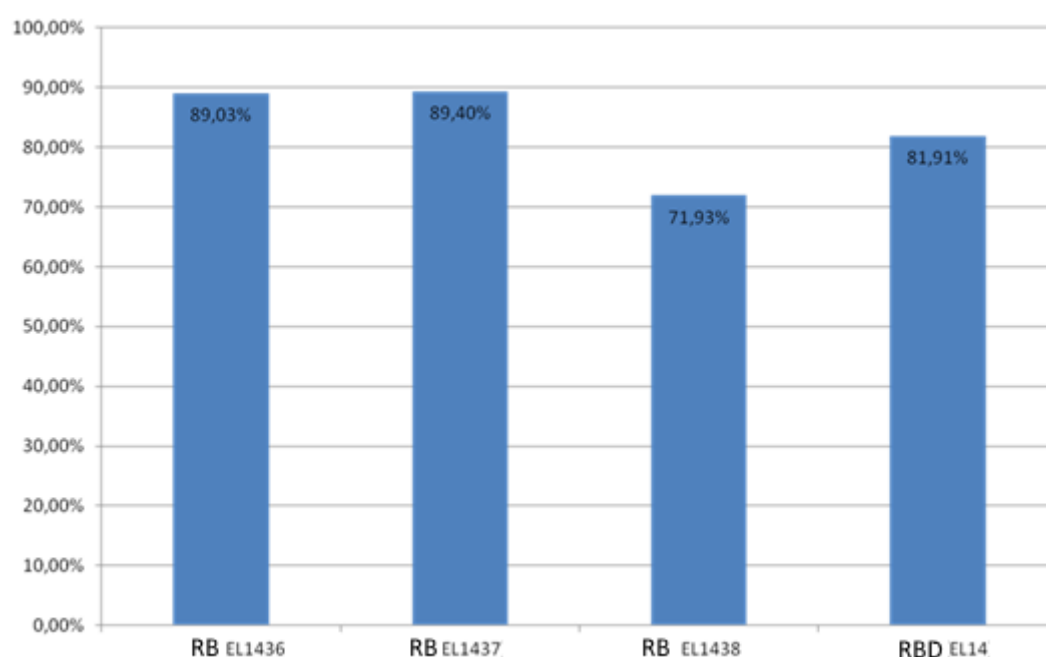


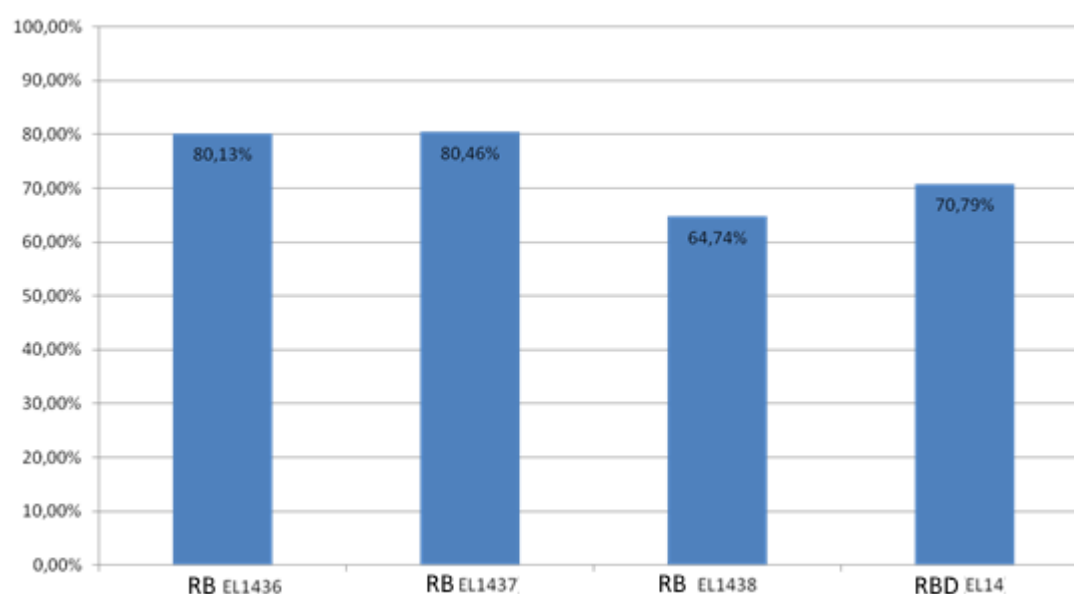
Chart 7-1 Public water supply financial cost recovery at RBs of Aegean Islands RBD (EL14)

7.1.2 Water services for Agricultural usage

The total financial cost of Water services for Agricultural usage in Aegean Islands RBD (EL14) was estimated at 2.910.879 €. The recovery of the financial cost at RBD level is 70.79%, with the revenue at € 2.060.523 € versus cost at 2.910.879 €.

Table 7-2 Agricultural usage financial cost recovery at RBs of Aegean Islands RBD (EL14)

RB	Total financial cost (€)	Average financial cost per unit (€/m ³)	Total revenue (€)	Average revenue per unit (€/m ³)	Financial cost recovery
EL1436	389.718	0,19	312.269	0,15	80,13%
EL1437	738.599	0,29	594.277	0,23	80,46%
EL1438	1.782.562	0,20	1.153.977	0,13	64,74%
TOTAL RBD	2.910.879	0,21	2.060.523	0,15	70,79%

**Chart 7-2 Agricultural usage financial cost recovery at RBs of Aegean Islands RBD (EL14)**

7.2 Environmental and resource cost

7.2.1 Environmental cost assessment

The environmental cost at RBD level amounts to 295.000 €(Table 7-3), while the annual environmental cost amounts to 73.750 €. 70% is attributed to RB Anatolikou Aigaiou (EL1436), 7% to RB Kykladon (EL1437) and 23% to RB Dodekanison (EL1438). The environmental cost per unit at RBD level is estimated at 0.0004 €/m³.

Table 7-3 Environmental cost per RB of Aegean Islands RBD (EL14)

RB	Total environmental cost (€)	Environmental cost per unit (€/m ³)
Eastern Aegean (EL1436)	206.598	0,0007
Cyclades (EL1437)	20.647	0,0001
Dodecanese Islands (EL1438)	67.754	0,0002
TOTAL RBD	295.000	0,0004

Table 7-4 Distribution of Environmental Cost per Water Use in the RBs of Aegean Islands RBD (EL14)

Environmental Cost	Public water supply	Livestock	Irrigation	Industry	Total
Eastern Aegean RB (EL1436)					
Total cost for all years of measures implementation (€)	21.692	541	54.353	130.012	206.598
Annual cost per use (€)	5.423	135	13.588	32.503	51.650
Participation of the use (%) in total annual cost	10,50%	0,26%	26,31%	62,93%	100,00%
Annual Cost per unit (€/m³)	0,0003	0,0002	0,0003	0,6501	0,0007
Cyclades RB (EL1437)					
Total cost for all years of measures implementation (€)	10.433	46	10.169	0	20.647
Annual cost per use (€)	2.608	12	2.542	0	5.162
Participation of the use (%) in total annual cost	50,53%	0,22%	49,25%	0,0%	100,00%
Annual Cost per unit (€/m³)	0,0003	0,00003	0,0001	0	0,0001
Dodecanese Islands RB (EL1438)					
Total cost for all years of measures implementation (€)	49.571	67	18.116	0	67.754
Annual cost per use (€)	12.393	17	4.529	0	16.939
Participation of the use (%) in total annual cost	73,16%	0,10%	26,74%	0	100,00%
Annual Cost per unit (€/m³)	0,0003	0,0001	0,0002	0	0,0002

7.2.2 Resource cost assessment

The resource cost at RBD level amounts to 400.000 € (Table 7-5) and it is attributed to the Cyclades RB (EL1437). The resource cost per unit at RBD level is estimated at 0.0014 €/m³. For the rest of the RBs, there is no Resource Cost

Table 7-5 Resource cost per RB of Aegean Islands RBD (EL14)

RB	Total resource cost (€)	Annual resource cost per unit (€/m ³)
Eastern Aegean (EL1436)	0	0
Cyclades (EL1437)	400.000	0,002
Dodecanese Islands (EL1438)	0	0
TOTAL RBD	400.000	0,0014

The distribution of resource cost in the Cyclades RB (EL1437) concerns the irrigation with an annual cost per unit of € 0.002 / m³ and is presented in the following table.

Table 7-6 Distribution of Resource Cost per Water Use in the RBs of Aegean Islands RBD (EL14)

Resource Cost	Public water supply	Livestock	Irrigation	Industry	Total
Eastern Aegean RB (EL1436)					
Total cost for all years of measures implementation (€)	0	0	400.000	0	400.000
Annual cost per use (€)	0	0	100.000	0	100.000
Participation of the use (%) in total annual cost	0	0	100,0%	0	100,0%
Annual Cost per unit (€/m³)	0	0	0,0014	0	0,0014

8 ENVIRONMENTAL OBJECTIVES - EXEMPTIONS

8.1 Summary of environmental Objectives and Exemptions

The following table summarizes the objectives for the 177 surface WBs of Aegean Islands RBD (EL14) by 2021:

Table 8-1 Objectives of surface WBs by 2021

Objective	Number of surface WBs
No deterioration in good and high ecological status / potential	159
No deterioration in good chemical status	174
Achievement of good ecological status	0
Achievement of good chemical status	0
Determination of ecological status/potential	13
Determination of chemical status	3
Exemption - Article 4.4	18
Exemption - Article 4.5	0
Exemption - Article 4.6	0
Exemption - Article 4.7	0

The following table summarizes the objectives for the 116 GWBs of Aegean Islands RBD (EL14) by 2021:

Table 8-2 Objectives of GWBs by 2021

Objective	Number of GWBs
No deterioration in good quantitative status	88
No deterioration in good chemical status	88
Achievement of good quantitative status	0
Achievement of good chemical status	0
Exemption - Article 4.4– quantitative status	28
Exemption - Article 4.4– chemical status	0
Exemption - Article 4.5	0
Exemption - Article 4.6	0

8.2 Deadline Extension (Article 4.4, Directive 2000/60 /EC)

Table 8-3 Exceptions by 2021

	Exception		Number of WBs
	Category	Subcategory	
Ecological status of WBs	Article 4.4/ Deadline extension	Technical feasibility. Solving the problem requires more time than is available.	17
Ecological status of WBs	Article 4.4/ Deadline extension	Technical feasibility. There is no information about the cause of the problem and therefore the solution can not be detected	1
Chemical status of WBs	Article 4.4/ Deadline extension	Technical feasibility. Solving the problem requires more time than is available.	3
Quantitative status of GWBs	Article 4.4/ Deadline extension	Technical feasibility. Solving the problem requires more time than is available.	28
Chemical status of GWBs	Article 4.4/ Deadline extension	Technical feasibility. Solving the problem requires more time than is available.	28

8.3 Less stringent environmental objectives (Article 4.5, Directive 2000/60 /EC)

In this revision of the RBMP less stringent environmental objectives are not set for any GWB or surface WB. This exemption category will be reviewed in the next revision of the RBMP, taking into account new monitoring data and after the assessment of technically feasible measures.

8.4 Temporary deterioration (Article 4.6, Directive 2000/60 /EC)

The status of GWBs and SWBs is not temporarily deteriorate in this revision of the RBMP. This exemption category will be reviewed in the next revision of the RBMP, taking into account new monitoring data and after the assessment of technically feasible measures.

8.5 New And Planned Water Resources Development Projects (Article 4.7, Directive 2000/60 /EC)

In the 1st revision of the RBMPs the assessment process of the potential subsumption in paragraph 7 of Article 4 of Directive 2000/60/EC was determined for WBs which are affected by planned projects.

For this aim a special analytical methodology was drawn up, which is available via the relevant webpage of Special Secretariat for Water <http://wfdver.ypeka.gr/>. The implementation of subsumption process in article 4.7 is described in detail. This process is valid from the approval of the current RBMP and refers to planned projects for which no environmental licensing request has been submitted, or, in cases which based on the current legislature, Decision for the Approval of Environmental Terms is not needed, or no permission request for construction/establishment/operation is submitted to the competent authorities.

Under this 1st Revision of the RBMP of Aegean Islands RBD (EL14), no SWB falls under the exceptions of Article 4.7.

9 PROGRAMME OF MEASURES

9.1 Introduction

The Programme of Measures is part of the Management Plan, it constitutes a "mechanism" for the achievement of the environmental objectives set in it and aims in:

- the prevention of deterioration, the improvement and the remediation of surface water bodies, the achievement of "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' status, the prevention of their pollution and the deterioration of their status in order to achieve 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 to be met and include:

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

The **Supplementary Measures** are established and implemented in addition to the Basic Measures, in order to achieve the objectives identified in accordance with Article 4 of Directive 2000/60/EC. Member States may establish further supplementary measures for additional protection or improvement of the status of the water bodies of the Directive.

9.2 Progress In Implementing The Programme Of Measures of the 1st Management Plan

The Programme of Measures of the 1st River Basin Management Plan of the Aegean Islands RBD included **40 Basic Measures**. The tables that follow are briefly presenting information on the type of actions related to those measures, along with information on the number of measures per measure category of the Directive 2000/60/EC and their implementation progress.

Table 9-1 Number of Basic Measures of the 1st Management Plan per action

Actions related to measures	Measure number
Administrative acts	13
Constructions	1
Studies	7
Measures related to administrative acts but demand more study or expertise research	5
Measures related to services/consultancy actions	14
Total	40

Table 9-2 Summary of the implementation progress of the Basic Measures during the 1st Management Plan

Measure category	Total number of Measures	Number of measures completed	Number of measures in progress/under construction	Number of measures that have not commenced
Measures to Implement the Cost Recovery Principle of Water Services (Article 9)	3	1	0	2
Measures to Promote Efficient and Sustainable Use of Water, in order not to jeopardize the Achievement of the Objectives of the Directive (Article 4)	10	1	4	5
Measures for the Protection of Water for Human Consumption (Article 7)	3	0	1	2
Measures for the Control of Surface and Groundwater Abstractions	6	1	3	2
Measures to Control and License the Artificial Recharge of GWBs	2	0	0	2
Measures for Point Sources of Pollution	8	3	3	2
Measures for Diffuse Sources of Pollution	3	0	1	2
Measures to Address Adverse Effects on the Status of Surface WB's, in particular by Hydromorphological Alterations	2	0	0	2
Specific Measures for Priority Substances and Other Pollutants	1	0	0	1
Measures for the Protection against Pollution Incidents due to Accidents/Extreme Natural Phenomena	2	0	1	1
Total	40	6	13	21

In addition to the basic measures above, the measure programme included **34 Supplementary Measures** that relates to 11 measure categories of the Directive 2000/60/EC. The number of measures per category along with their implementation progress are presented on the table that follows.

Table 9-3 Summary of the implementation progress of the Supplementary Measures during the 1st Management Plan

Measure category	Total number of Measures	Number of measures completed	Number of measures in progress/under construction	Number of measures that have not commenced
Measures related to Administrative Legislation	1	0	0	1
Abstraction Control	6	0	5	1
Pollutant Emission Control	4	0	2	2
Efficiency and Reuse Measures	1	0	1	0
Artificial Recharge of Aquifers	2	0	1	1
Reconstitution and Restoration of Wetland Areas	3	0	0	3
Construction Works	5	0	1	4
Desalination plants	1	0	1	0
Research, Development and Demonstration Projects	4	0	0	4
Educational Measures	3	0	2	1
Post-Negotiation Environmental Agreements	4	0	0	4
Total	34	0	13	21

9.3 Basic and Supplementary Measures Programme

Measure Implementation Timeline

In relation to the referring to the Measure Implementation Timeline, these are distinguished as:

- Short-term, which can be immediately applied.
- Mid-term, for which a preparation period is required for their implementation. This period estimated up to 2 years.
- Long-term, for which the preparation and/or construction period of measures exceeds the period of 2 years.

With regards to the mid-term and long-term implementation measures, the competent bodies responsible for the implementation should include in their immediate schedule all these acts needed for the maturation of the actions of measures, with the scope of including them in funding programmes. For the implementation progress of the programme, Water Directorates and the SSW should inform the competent bodies involved to design a wholistic time schedule for the action implementation, within their administrative boundaries of competence.

Bodies for measure implementation

In relation to the bodies for the implementation of measures, the following clarifications are made:

- For every measure its implementation body is mentioned. All the bodies responsible for supervising the programme implementation are defined by law, and these are the SSW and the Water Directorates of the Decentralized Administrations.
- The SSW coordinates and supervises the implementation of measures which are executed by Ministries and/or bodies of the Central Government. The Water Directorate coordinates and

supervises the implementation of measures that are executed by regional services and/or bodies.

- The selection of the implementation bodies was made based on their competence, as it came up from the current institutional framework and the public administration structure.
- Reference on the implementation bodies is made on the basis of the senior administrative level of each body. In cases where lower administrative levels are referred to (e.g. Directorate or Department), this reference should only be indicative. The implementation body is the only one responsible for the inner distribution of competences for the implementation of measures based on the services provided. Additionally, the body should define the means and human resources needed for the implementation of its obligations.
- It is clarified that for the measures and actions the competent Water Directorate of the Decentralized Administration is referred to as implementation body, in cases where it would be incapable of implementing any phase or stage or even the measure as a whole, for any reason, this could be implemented in coordination with the SSW or with other competent services of the Decentralized Administration and the Administrative Regions.
- Regarding the implementation of the current Measure Programme, the spatial competence of the Regions and Decentralized Administrations, excluding the Water Directorates, is taking place within their administrative boundaries.
- In cases where more than one body is referred to, the first one is the implementation body of the measure and the following are supplementary.
- The National Water Committee, according to the No.706/2010 Decision (GG 1383/B/2010 and GG 1572/B/2010 - correction of Annex II) and the approval of the various River Basin Management Plans, defines the competent Decentralized Administrations per River Basin for each River Basin District of the country.
- According to the No. 160817/20.12.2016 Decision of MEE (ΑΔΑ: 7ΔΠΘ4653Π8-8ΓΡ), the members of the Regional Task Team for each RBD were defined, which is responsible for the coordination of the measure implementation in the RBD level.
- The measures could be also implemented by additional bodies, provided that this is predicted by the current institutional framework.

New projects and activities

It is clarified that in cases where during the current Programme of Basic and Supplementary Measures, prohibitions or restrictions or certain requirements for “new” projects or activities are predicted, these do not refer to projects or activities or extension/modifications which, during the time the 1st Revision of the RBMP was in force, are either in progress or under construction or they belong to more than one of the following cases:

1. An approval of environmental terms has been granted or a positive advise by the competent Water Directorate of the Decentralized Administration has been given, during the Environmental licensing process.
2. A permit application has been submitted, in relation to the execution of water utilization projects or to water usage, and has not been rejected from the request body.
3. They have not been included in funding programmes.

4. The execution permit of the projects or activities has been expired, but their execution has not been commenced and renewal is requested, while their technical characteristics have not been changed.
5. An administrative act for the project implementation has been occur, which provides the capability for the permit process of the project to advance.

In cases where projects fall into case 5 above, the Water Directorate could set additional specific terms/measures for the project or activity installation, with the scope of protecting the related WB's and according to the 1st Revision predictions.

In case of serious reservations and doubts by the Water Directorate of the Decentralized Administration with regards to the inclusion or not of a certain project/activity in one of the above cases, the SSW should be consulted.

It is clarified that the current projects mentioned in the RBMP are not related to the current ones or the current water usages mentioned in the JMD 146896/2014 (completed water abstraction works or usages before 27-10-2014).

9.3.1 Actions implementing EU Directives (Group I of Basic Measures)

The following table lists the provisions for the incorporation of the EU Directives into National Law. In the column of directives the amendments to these Directives from 2000 onwards are also mentioned.

Table 9-4 Provisions for the incorporation of the EU Directives into National Law

DIRECTIVE	INCORPORATION INTO NATIONAL LAW
Bathing Water Directive (2006/7/EC)	JMD 8600/416/E103/23.02.2009 (GG 356/B/2009) concerning the "quality and management measures of Bathing waters in compliance with the provisions of Directive 2006/7/EC "concerning the management of bathing waters quality and repealing Directive 76/160/EEC"" as amended and in force.
Birds Directive (2009/147/EC) and Habitats Directive (92/43/EEC)	<p>JMD 37338/1807/E103/1.9.2010 (GG 1495/B/2010) "Determination of measures and procedures for the conservation of wild bird fauna and its habitats, in compliance the provisions of Directive 79/409/EEC "on the conservation of wild birds", of the European Council of 2nd April 1979 as codified in Directive 2009/147/EC" and its amending JMD 8353/276/E103/2012 (GG 415/B/2010)</p> <p>JMD 33318/3028/11.12.1998 (GG 1289/B/1998) "Determination of measures and procedures for the conservation of natural habitats and wild fauna and flora" and its amendment JMD 14849/853/E103/2008 (GG 645/B/2008) in compliance with the Directive 92/43/EEC "on the conservation of natural habitats and of wild fauna and flora".</p> <p>Law 3937/2011 (GG 60/A/2011) "Biodiversity conservation and other provisions"</p> <p>JMD 50743/2017 (GG 4432/B/2017) "Revision of the national list of sites of the Natura 2000 European Ecological Network"</p>

DIRECTIVE	INCORPORATION INTO NATIONAL LAW
Drinking Water (Directives 98/83/EC, 2015/1787/EU)	JMD no. C1 (d)/ 67322/06.09.2017 (GG 3282/B/2017) “Quality of water intended for human consumption in compliance with the provisions of Directive 98/83/EC of 3 November 1998 as amended with Directive 2015/1787/EU (L260/7.10.2015)”
Environmental Impact Assessment from Projects/Activities (Directives 2011/92/EU, 2014/52/EU)	Law 4014/2011 (GG 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 competence of Ministry of Environment”
Prevention – Control of Pollution (Directive 2010/75/EU)	JMD 36060/1155/E.103/2013 (GG 1450/B/2013) “Setting a framework of rules, measures and procedures for the integrated prevention and control of environmental pollution from industrial activities, in compliance with the directive 2010/75/EU “on industrial emissions (integrated prevention and control of pollution)” of the European Parliament and of the Council of 24 November 2010”
Protection from Nitrates (Directive 91/676/EEC)	JMD 16190/1335/19.05.1997 (GG 519/B/1997) “Measures and conditions for the protection of waters against pollution caused by nitrates from agricultural sources” MD. 19652/1906/1999 (GG 1575/B/1999) “Identification of waters that are affected by pollution caused by nitrates from agricultural sources – Designation of vulnerable zones, in accordance with paragraphs 1 and 2 of article 4 of JMD 16190/1335/19.05.1997 “Measures and conditions for the protection of waters against pollution caused by nitrates from agricultural sources”(B 519). Amendment of articles 3,4,5 and 8 of the decision” as amended by MD 20419/2522/2001 (GG 1212/B/2001) , MD 24838/1400/E103/2008 (GG 1132/B/2008) , MD 106253/2010 (GG 1843/B/2010) , MD 190126/2013 (GG 983/B/2013) , MD 147070/2014 (GG 3224/B/2014) and in force. MD 1420/82031/2015 (GG 1709/B/2015) “Code of Good Agricultural Practice for the protection of waters against pollution caused by nitrates from agricultural sources” as amended by MD 2001/118518/2015, (GG 2359/B/2015) “Amendment of Deputy Minister for Productive Reconstruction, Environment and Energy Decision 1420/82031/2015 (GG 1709/B/2015) “Code of Good Agricultural Practice for the protection of waters against pollution caused by nitrates from agricultural sources”
Plant Protection Products (Directive 2009/128/EC, Regulation (EC) No. 1107/2009, Regulation (EU) No. 652/2014)	Law 4036/27.01.2012 (GG 8/A/2012) “Placing of pesticides on the market, rational use and relevant provisions” as amended and in force.
Responding to the risks of major accidents (Directive 2012/18/EU)	JMD 172058/2016 (GG 354/B/2016) “Determination of rules, measures and conditions for the control of major-accident hazards involving dangerous substances in facilities or units , in compliance with the provisions of Directive 2012/18/EU “on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC” of the European Parliament and of the Council of 4 July 2012. Replacement of no. 12044/613/2007 (376/B2007), as corrected (GG 2259/B/2007)”
Sewage sludge (Directive 86/278/EEC)	JMD 80568/4225/05.07.1991 (GG 641/B/1991) “Methods, conditions and restrictions for the use of sewage sludge from domestic and urban waste waters in agriculture”

DIRECTIVE	INCORPORATION INTO NATIONAL LAW
Urban Waste Water Treatment (Directives 91/271/ ECC, 98/15/ EC)	JMD 5673/400/05.03.1997 (GG 192/B/1997) “Measures and conditions for Urban Waste Water Treatment” and its amending decisions MD 19661/1982/2.8.1999 (GG 1811/B/1999) and MD 48392/939/28.3.2002 (GG 405/B/2002)

The planned actions for the implementation of the EU and National Legislation on water protection are listed in the following table.

Table 9-5 Actions for the implementation of EU Directives

DIRECTIVE	PLANNED ACTIONS	IMPLEMENTING BODIES
Bathing Water (Directive 2006/7/ EC)	<ul style="list-style-type: none"> Continue to monitor the quality of bathing waters in accordance with Directive 2006/7 / EC. Updating the Bathing Water Register. 	SSW, Directorates of Water of the Decentralized Administration of the Aegean
Protection of wild birds (Directive 2009/147 / EC) and habitats (Directive 92/43 / EEC)	<ul style="list-style-type: none"> Establishment/ approval of Management Plans for protected areas of Natura 2000 Network directly related with water, with particular reference to water management issues. Monitoring/Assessment of the conservation status of habitats and species directly depending on water in Natura 2000 sites. 	Ministry of Environment and Energy, Management Bodies of Protected Areas
Environmental Impacts from Projects/ Activities (Directives 2011/92/EU, 2014/52/EU)	<ul style="list-style-type: none"> Amendment of the MD 170225/2014 (Specifications for the contents of environmental licensing dossiers for projects and activities of A category) so that for certain projects categories, which should be identified beforehand, to make the following mandatory: <ul style="list-style-type: none"> Emissions of pollutants by category, Impacts of pollution impacts on WBs defined in the Management Plans and Comparison of these concentrations to the Environmental Quality Standards. Establishment of a monitoring program and notification of its results to the relevant Water Directorate. 	Ministry of Environment and Energy
Prevention – Control of Pollution (Directive 2010/75/EU)	<ul style="list-style-type: none"> Keeping records – registry of facilities included in the provisions of Directive 	Decentralized Administration of the Aegean (Directorates for Spatial and Environmental Policy of North & South Aegean)

DIRECTIVE	PLANNED ACTIONS	IMPLEMENTING BODIES
Protection from Nitrates (Directive 91/676/ EEC)	<ul style="list-style-type: none"> Delimitation of a new vulnerable zone GWB “SYSTIMA LIBADIOY, N.NAXOS” (code EL1400760) 	SSW, Ministry of Rural Development and Food
	<ul style="list-style-type: none"> Establishment of Action Programs and uptake of any additional supplementary measure or reinforced action, in accordance with article 5 of JMD 16190/1335/1997. The study on the drafting of Action Programs in all vulnerable zones of the Country has been entrusted by the Ministry of Rural Development and Food to the Agricultural University and is under implementation. 	Ministry of Rural Development and Food
	<ul style="list-style-type: none"> Systematic monitoring of nitrate levels in WBs that are or may be subjected to nitrate pollution 	SSW, Ministry of Rural Development and Food
Plant Protection Products (Directive 2009/128/EC, Regulation (EC) No. 1107/2009, Regulation (EU) No. 652/2014)	<ul style="list-style-type: none"> Rational use of plant protection products 	Ministry of Rural Development and Food
Responding to the risks of major accidents (Directive 2012/18/EU)	<ul style="list-style-type: none"> Keeping records – registry of facilities included in the provisions of Directive 	Decentralized Administration of the Aegean (Directorates for Spatial and Environmental Policy of North & South Aegean)
Sewage sludge (Directive 86/278/EEC)	<ul style="list-style-type: none"> Setting up a JMD, 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 JMD 80568/4225/1991 and promotion of actions related to the safe disposal of treated sludge. 	Ministry of Environment and Energy
Urban Waste Water Treatment (Directives 91/271/ ECC, 98/15/ EC)	<ul style="list-style-type: none"> Completion of sewerage and waste water treatment projects of settlements that concerns the provisions of the Directive (covering all agglomerations with a population greater than 2,000 equivalent residents.). 	Regions of North and South Aegean, MEWSS, Municipalities
	<ul style="list-style-type: none"> Reinforcement of actions that control the effective operation of existing wastewater treatment and drainage projects. 	Regions of North and South Aegean

9.3.2 Basic Measures of other Categories (Group II of Basic Measures)

Table 9-6 Basic measures of other categories

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
M14B0201 Update of the organizational function of Organizations of Land Reclamation for the compliance with the financial and other management data in order to meet the requirements of the Decision No. 135275 (GG 1751/B/2017) of the National Water Committee “Adoption of general costing and pricing rules for water services. Method and procedures for recovering the cost of water services in its various uses”	Measures to implement the cost recovery principle of Water Services (Article 9)	New measure	Organizations of Land reclamation (Local, General), Regions of North and South Aegean, Ministry of Environment & Energy (Special Secretariat for Water), Ministry of Rural Development & Food
M14B0202 Upgrade of the organizational function of Municipal Water Supply and Sewerage Companies , for the compliance with the financial and other management data in order to meet the requirements of the Decision No. 135275 (GG 1751/B/2017) of the National Water Committee “Adoption of general costing and pricing rules for water services. Method and procedures for recovering the cost of water services in its various uses”	Measures to implement the cost recovery principle of Water Services (Article 9)	New measure	Municipal Water Supply and Sewerage Companies, Ministry of Environment & Energy (Special Secretariat for Water), Ministry of Interior
M14B0203 Upgrade of the organizational function of Local Administration Authorities , for the compliance with the financial and other management data in order to meet the requirements of the Decision No. 135275 (GG 1751/B/2017) of the National Water Committee “Adoption of general costing and pricing rules for water services. Method and procedures for recovering the cost of water services in its various uses”	Measures to implement the cost recovery principle of Water Services (Article 9)	New measure	Local Administration Authorities, Ministry of Environment & Energy (Special Secretariat for Water), Ministry of Interior
M14B0204 Training and education of all the stakeholders (Decentralized Administrations, Regions, Municipal Water Supply and Sewerage Companies, Organizations of Land Reclamation, Local Administration Authorities) for the implementation of the requirements of the Decision No. 135275 (GG 1751/B/2017) of the National Water Committee “Adoption of general	Measures to implement the cost recovery principle of Water Services (Article 9)	New measure	Ministry of Environment & Energy (Special Secretariat for Water),

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
costing and pricing rules for water services. Method and procedures for recovering the cost of water services in its various uses			
M14B0301 Implementation / Update of General Public Water Supply Masterplans	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Specialization of measure OM03-02	MEWSSs, Municipalities, Public water suppliers, Decentralized Administration (Water Directorates)
M14B0302 Actions for the reinforcement, rehabilitation, modernization of public water supply networks and leakage control	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Amendment/ Specialization of measures OM02-02, SM10-01, SM10-02, SM10-03 and SM12-01	Municipalities, MEWSSs, Public water suppliers, Regions, Decentralized Administration (Water Directorates)
M14B0303 Increase the efficiency of water use in land reclamation infrastructures	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Amendment/ Specialization of measure OM02-08	Ministry of Rural Development and Food, Regions
M14B0304 Investments for saving water in agriculture	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Amendment/ Specialization of measures OM02-08, OM02-09 and OM02-10.	Individuals, Irrigation water providers, Ministry of Rural Development and Food, Regions
M14B0305 Determination of maximum irrigation requirements for crops for private water abstractions	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of	Amendment/ Specialization of measure OM04-02	Decentralized Administration (Water Directorates), Directorates of Agricultural Economy &

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
	the Directive (Article 4)		Veterinary of the Regions
M14B0306 Reinforcement of actions of loss reduction on collective irrigation networks	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Amendment/ Specialization of measure OM02-03	General Organizations of Land reclamation, Local Organizations of Land reclamation, Municipalities, Collective Irrigation Networks, Regions
M14B0307 Implementation of a manual of technical specifications for the application of water reuse methods	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuation of measure OM02-06	Ministry of Environment & Energy (Special Secretariat for Water)
M14B0308 Implementation of a Strategic Plan to Address Drought and Water Scarcity events	Measures to promote efficient and sustainable use of water, in order not to jeopardize the achievement of the objectives of the Directive (Article 4)	Continuation of measure OM02-01	Decentralized Administration (Water Directorates), Ministry of Environment & Energy
M14B0401 Designation and delimitation of zones and / or measures for the protection of water abstraction points, intended for human consumption from groundwater bodies	Measures for the protection of water for human consumption (Article 7)	Amendment of measure OM03-01	Decentralized Administration (Water Directorates) and Public water suppliers (MEWSSs, Municipalities etc.)
M14B0403 Protection of surface water abstraction works for public water supply	Measures for the protection of water for human consumption (Article 7)	New measure	MEWSSs, Municipalities, Public water suppliers, Decentralized Administration (Water Directorates)

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
M14B0404 Implementation of Water Safety Plans	Measures for the protection of water for human consumption (Article 7)	Amendment of measure OM03-03	MEWSSs, Municipalities, Public water suppliers, Decentralized Administration (Water Directorates)
M14B0501 Restrictions, terms and conditions for the construction of groundwater abstraction works (boreholes, wells, etc.) for new uses, as well as for the extension of existing water use permits to: (a) area of GWBs with a Poor quantitative status (b) the protection zone II of the abstraction works of public water supply networks operated by Municipalities, Municipalities links, MEWSSs, Intermunicipal Water Supply and Sewerage Companies and Public Water Supply companies (c) zones of collective irrigation networks (d) coastal GWBs of Poor chemical status due to salinity intrusion of human origin	Measures for the control of surface and groundwater abstractions and surface water storage	Amendment of measures SM04-02 και SM04-04	Decentralized Administration (Water Directorates)
M14B0502 Annual electronic recording of surface water and groundwater abstractions	Measures for the control of surface and groundwater abstractions and surface water storage	Amendment/ Specialization of measure SM04-04	Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorates), Regions
M14B0601 Investigation of the conditions of application of artificial recharge of underground aquifers as a mean of quantitative enhancement and quality protection of GWBs, with a priority for GWBs with poor condition and treatment of salinity intrusion	Measures to control and license the artificial recharge of GWBs	Continuation of measure OM05-02	Regions, Municipalities, Decentralized Administration (Water Directorates)
M14B0602 Establishment of a National Register of treated wastewater disposal sites (JMD 145116/2011, GG 354/B/2011)	Measures to control and license the artificial recharge of GWBs	Continuation of measure OM05-01	Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorates)

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
M14B0701 Reinforcement of environmental inspections and audits	Measures for point sources of pollution	Continuation and Specialization of measures OM06-01 and OM07-02.	Regions
M14B0702 Modernization of national legislation on wastewater and industrial waste management	Measures for point sources of pollution	Continuation of measure OM06-03	Ministry of Environment & Energy (Special Secretariat for Water),
M14B0704 Conditions for the licensing of new / extension of existing aquaculture units	Measures for point sources of pollution	Continuation of measure OM06-06	Ministry of Environment & Energy, Decentralized Administration, Regions
M14B0705 Establishment of rules for sinkholes protection	Measures for point and diffuse sources of pollution	New measure	Decentralized Administration (Water Directorates)
M14B0801 Biological agriculture	Measures for diffuse sources of pollution	New measure	Ministry of Rural Development and Food (Directorate of Quality Systems, Organic Production and Geographical Indications)
M14B0802 Modernization of the institutional framework for sludge management from urban waste water treatment plants with emphasis on widening the scope and updating the quality characteristics of the applicable sludge.	Measures for diffuse sources of pollution	Continuation of measure OM07-03	Ministry of Environment & Energy (Environmental Certification Directorate), Ministry of Rural Development and Food
M14B0803 Reduce diffuse pollution from agriculture in the vulnerable zones of Directive 91/676/EEC	Measures for diffuse sources of pollution	New measure	Ministry of Rural Development and Food, Regions
M14B0902 Determination of maximum range of reservoirs' level	Measures to address adverse effects on the status of surface water bodies, in particular by hydromorphological alterations	Specialization of measure SM10-04	Project owner, Regions, Protected Areas Management Bodies, Decentralized Administration

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
			(Water Directorates)
M14B0903 Establishment of national methodology and specifications for the determination of ecological flow of River WBs	Measures to address adverse effects on the status of surface water bodies, in particular by hydromorphological alterations	Continuation of measure OM04-06	Ministry of Environment & Energy (Special Secretariat for Water)
M14B0904 Special Measures for the achievement of Good Ecological potential in HMWBs	Measures to address adverse effects on the status of surface water bodies, in particular by hydromorphological alterations	New measure	Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorates), Regions
M14B0905 Determination of selected areas for river sediment deposits removal to meet the needs of technical projects	Measures to address adverse effects on the status of surface water bodies, in particular by hydromorphological alterations	Continuation of measure OM08-02	Regions, Decentralized Administration (Directorates of Environment and Spatial Planning, Water Directorates), Municipalities
M14B0906 Monitoring, recording and rehabilitation of coastal erosion	Measures to address adverse effects on the status of surface water bodies, in particular by hydromorphological alterations	Amendment of measure OM08-01	Ministry of Infrastructure and Transport, Regions, Decentralized Administration (Water Directorates)
M14B1101 Compilation of pollution sources registry (emissions, discharges and leaks)	Measures for Priority Substances and other pollutants.	Amendment of measure OM10-01	Ministry of Environment & Energy (Special Secretariat for Water)
M14B1102 Establishment/ determination of pollutants emission limits in RB level for priority substances and other pollutants of the JMD 51354/2641/E103/2010 as in force, as well as for Physicochemical parameters in relation to the quality objectives of the Management Plans	Measures for Priority Substances and other pollutants.	New measure	Decentralized Administration (Water Directorates). Ministry of Environment & Energy (Special

Code – Name of Measure	Category	Connection with the 1 st RBMP	Implementing Bodies
			Secretariat for Water)

9.3.3 Supplementary measures

For achieving the goals of the RBMP, the implication of the basic measures is essential to be supported by supplementary measures.

Methodologically, supplementary measures were suggested:

- a) For the conservation of the status of the SWB's and the GWB's, along with increasing the knowledge and awareness related to the rational water usage of targeted users. In this case, the supplementary measures are horizontally implied and the WB's to be impacted are not exclusively defined.
- b) For WB's estimated that, despite the measure programme implication, won't reach their "good status" goal by 2021, and more specifically:
 - For WB's that, according to measurements of their qualitative and quantitative parameters or to the new grouping methodological approach, have a "lower than good" status.
 - For WB's that, while they have an unknown or good status, there are certain indications through the analysis of the pressures, that they are in danger of not achieving their environmental goals.

Measurements of (b) case are taken into consideration for the calculation of the environmental cost and/or the resource cost, according to the predictions of the JMD 135275 of the National Water Committee (GG 1751/B/22-05-2017).

The table that follows records the WB's of the RBD for which the adoption of specific supplementary measures is required.

Table 9-7 Waterbodies of the Aegean Islands RBD (EL14), for which the adoption of supplementary measures is considered necessary

WB Code	WB Name	Category	Current Status/Potential	Pressures
EL1436RL00000002H	T.L. ERESSOY	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture
EL1436RL00000003H	T.L. KALAMOTIS-KATRARI	River	Unknown Ecological Unknown Chemical	Water abstraction- Agriculture and Public Water Supply
EL1436RL00000004H	T.L. RACHON-PEZIOY	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture and Public Water Supply
EL1437RL00000007H	T.L. MARATHIA	River	Unknown Ecological Good Chemical	Water abstraction- Public Water Supply
EL1437RL00000008H	T.L. FANEROMENIS	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture and Public Water Supply
EL1437RL00000011H	T.L. ANO MERAS	River	Unknown Ecological Good Chemical	Water abstraction- Public Water Supply

WB Code	WB Name	Category	Current Status/Potential	Pressures
EL1438RL00000005H	T.L. LEIBADIOY	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture and Public Water Supply
EL1438RL00000006H	T.L. GADOYRA	River	Unknown Ecological Unknown Chemical	Water abstraction- Public Water Supply
EL1438RL00000013H	T.L. APOLAKKIAS	River	Unknown Ecological Unknown Chemical	Water abstraction- Agriculture
EL1436R000200005N	VOULGARIS P.	River	Incomplete Ecological Good Chemical	Agriculture, point pollution from facilities that do not fall in the Directive IED
EL1436R000400008N	EYERGETOULAS P.	River	Moderate Ecological Good Chemical	Point pollution from facilities that do not fall in the Directive IED
EL1436R004300037N	IMVRESOS R.	River	Moderate Ecological Good Chemical	Point pollution from facilities that do not fall in the Directive IED
EL1436R003300027H	FANOPYRGON R.	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture and Public Water Supply
EL1436R009900014H	CHALANTRA R.	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture
EL1438R000401058H	GADOURAS P.	River	Unknown Ecological Good Chemical	Water abstraction- Public Water Supply
EL1438R000600073H	SIANITIS P.	River	Unknown Ecological Good Chemical	Water abstraction- Agriculture
EL1436C0007N	KOLPOS GERAS (LESBOS)	Coastal	Moderate Ecological Good Chemical	Agriculture-Industry
EL1400150	KORAKARI	Groundwater	Poor Quantitative Poor Chemical	Water abstraction- Agriculture and Public Water Supply
EL1400160	KAMPOU	Groundwater	Poor Quantitative Poor Chemical	Water abstraction- Agriculture
EL1400172	KALAMOTIS - NENITA (B)	Groundwater	Poor Quantitative Poor Chemical	Water abstraction- Agriculture
EL1400760	LIVADIOU	Groundwater	Poor Quantitative Poor Chemical	Water abstraction- Agriculture Diffusive-Agriculture

The Measure Programme of the examined RBD includes 16 Supplementary Measures which are presented in the table following:

Table 9-8 Supplementary measures

Code - Name of Measure	Category	Connection with the 1 st RBMP	Affected WBs	Implementing Bodies	Cost
M14Σ0201 Development of a Monitoring System for the Programme of Measures of the RBMP	Administrative measures	New Measure	All WBs of RBD	Decentralized Administration (Water Directorates)	650.000 €
M14Σ0202 Additional restrictive administrative measures	Administrative measures	New Measure	All GWBs of RB EL1436 with good quantitative and chemical status	Decentralized Administration (Water Directorate of North Aegean)	0 €
M14Σ0203 Prohibition of new boreholes – wells in hydrogeological basins of Korakari and Katrari- Kalamwths , Chios	Administrative measures	Continuation of measure SM04-03	EL1400150, EL1400160, EL1400172	Decentralized Administration (Water Directorate of North Aegean)	0 €
M14Σ0501 Implementation of investments in agriculture and livestock holdings, aiming to improve environmental performance..	Emission controls	New Measure	All WBs of RBD	Ministry of Rural Development and Food, Regions	275.000 €
M14Σ0801 Controlling artesian boreholes	Abstraction Controls	Amendment of measure SM04-05	All GWBs of RBD	Owner of the borehole, Decentralized Administration (Water Directorates)	0 €
M14Σ0802 Replacement of the existing municipal boreholes for public water supply in RB Anatolikou Aigaiou (EL1436), which abstract water from GWBs of Poor chemical status or from GWBs with local qualitative deterioration in relation with the drinking water criteria, with new boreholes in nearby aquifers of Good quality status.	Abstraction Controls	Continuation of measure SM04-06	EL1400150, EL1400160, EL1400172	MEWSSs, Municipalities, Decentralized Administration (Water Directorate of North Aegean)	0 €
M14Σ1501 Professional training of farmers/ breeders for the protection of water bodies	Educational measures	Amendment of measure SM14-01	All WBs of RBD	Ministry of Rural Development and Food, Regions	140.000 €

Code - Name of Measure	Category	Connection with the 1 st RBMP	Affected WBs	Implementing Bodies	Cost
M14Σ1502 Consultancy Services, Farming management Services	Educational measures	Amendment of measure SM14-01	All WBs of RBD	Ministry of Rural Development and Food, Regions	375.000 €
M14Σ1503 Informing and raising public awareness on water issues	Educational measures	Continuation of measure SM14-02	All WBs of RBD	MEWSSs, Municipalities, Regions, Decentralized Administration (Water Directorates)	20.000 €
M14Σ1504 Reinforcement of environmental programs' actions in Primary & Secondary Education	Educational measures	Amendment of measure SM14-03	All WBs of RBD	Ministry of Environment & Energy (Special Secretariat for Water), Decentralized Administration (Water Directorates)	20.000 €
M14Σ1601 Study for the management of liquid waste from olive oil mills and cheese factories	Research, development and demonstration projects	Continuation of measure OM06-08	RB EL1436	Decentralized Administration (Water Directorate of North Aegean)	130.000 €
M14Σ1602 Study for the management of water resources of Libadi Naxou	Research, development and demonstration projects	New Measure	EL1400760	Decentralized Administration (Water Directorate of South Aegean)	400.000 €
M14Σ1603 Recording and monitoring of the operation of reservoirs within the Aegean Islands RBD	Research, development and	Specialization of measure SM10-04	EL1436RL00000002H, EL1436RL00000003H, EL1436RL00000004H, EL1437RL00000007H,	Decentralized Administration (Water Directorates)	100.000 €

Code - Name of Measure	Category	Connection with the 1 st RBMP	Affected WBs	Implementing Bodies	Cost
	demonstration projects		EL1437RL00000008H, EL1437RL000000011H, EL1438RL000000005H, EL1438RL000000006H, EL1438RL000000013H		
M14Σ1604 Implementation of special reckoning studies on coastal water bodies	Research, development and demonstration projects	Specialization of measure SM13-01	EL1436C0007N	Region of North Aegean, Decentralized Administration (Water Directorate of North Aegean)	15.000 €
M14Σ1605 Installation of stations for continuous flow recording of River HMWBs, downstream of dams	Research, development and demonstration projects	Amendment of measure SM13-02	EL1438R000600073H, EL1438R000401058H, EL1436R009900014H, EL1436R003300027H	Regions, Decentralized Administration (Water Directorates)	50.000 €
M14Σ1606 Pilot measures for implementation of precision agriculture	Research, development and demonstration projects	New Measure	All WBs of RBD	Ministry of Rural Development and Food, Regions	245.000 €

10 NEXT STEPS

The objective of the 1st Revision of the RBMP is the prevention of further deterioration, the protection and improvement of the status of inland surface WBs, transitional WBs, coastal WBs and groundwater bodies, as well as of the dependent terrestrial ecosystems and wetlands. For the achievement of this objective, the implementation of the Programme of Basic and Supplementary Measures is required.

The Programme of Measures is designed in a way that the priority of each intervention is clearly defined according to its cost, its effectiveness, the importance of the water bodies on which is implemented and the necessary time for its preparation.

All elements of the Programme of Measures are important, however programming and prioritization is required in order to monitor the progress and detect the elements which need amendments, when deviation from objectives is identified.

With responsibility of the competent Water Directorates of Decentralised Administration an **Action Plan for the implementation of the 1st Revision of the RBMP** of Aegean Islands RBD is drawn up.

To this end, the Regional Task Team for the Implementation of The Programmes of Measures of the RBMPs of RBDs of the country, which was already established during the implementation of the 1st RBMPs, is required to set up the above Action Plan.

11 SUMMARIZED STATISTICS FOR THE AEGEAN AISLANDS RBD (EL14)

The following tables include aggregated statistics for the Aegean Islands RBD (EL14).

Table 11-1 Categories of WB per RB of Aegean Islands RBD (EL14)

WB Categories	Eastern Aegean RB (EL1436)	Cyclades RB (EL1437)	Dodecanese Islands RB (EL1438)	TOTAL RBD
River WBs	51	11	28	90
Lake WBs	0	0	0	0
Transitional WBs	0	0	0	0
Coastal WBs	17	35	35	87
TOTAL Surface WBs	68	46	63	177
Groundwater WBs	45	35	36	116
TOTAL WBs	113	81	99	293
Heavily modified water bodies (HMWB) and artificial Water bodies (AWB)	5	3	5	13
WBs Connected to protected areas	89	59	80	228

Table 11-2 Typology of Surface WBs per RB of Aegean Islands RBD (EL14)

Typology of Surface WBs	Eastern Aegean RB (EL1436)	Cyclades RB (EL1437)	Dodecanese Islands RB (EL1438)	TOTAL RBD
River WBs				
Type R-M1	11	7	1	19
Type R-M2	-	-	-	-
Type R-M3	-	-	-	-
Type R-M4	-	-	-	-
Type R-M5	37	1	24	62
Type R-L2	-	-	-	-
Lake type River HMWBs (Reservoirs)				
Type L-M5/7	1	1	2	4
Type L-M8	1	-	-	1
Type GR-SR	1	2	1	4
Lake WBs				
Type GR-DNL	-	-	-	-
Type GR-SNL	-	-	-	-
Type GR-VSNL	-	-	-	-
Transitional WBs				
Type TW 1	-	-	-	-
Type TW 2	-	-	-	-
Coastal WBs				
Type III E	17	35	35	87

Table 11-3 Assessment (classification) results of WBs status per RB of Aegean Islands RBD (EL14)

Status/ Potential			Eastern Aegean RB (EL1436)				Cyclades RB (EL1437)				Dodecanese Islands RB (EL1438)				TOTAL RBD			
			Number	% of Number	Length (km)	% of Length	Number	% of Number	Length (km)	% of Length	Number	% of Number	Length (km)	% of Length	Number	% of Number	Length (km)	% of Length
River WBs																		
TOTAL River WBs	ECOLOGICAL STATUS/ POTENTIAL	High	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Good	43	89,58	238,26	88,02	8	100	48,66	100	22	88,00	136,65	83,36	73	90,12	423,57	87,64
		Moderate	2	4,17	6,95	2,57	-	-	-	-	1	4,00	9,25	5,64	3	3,70	16,20	3,35
		Poor	1	2,08	14,23	5,26	-	-	-	-	-	-	-	-	1	1,23	14,23	2,94
		Bad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Unknown	2	4,17	11,25	4,15					2	8,00	18,03	11,00	4	4,94	29,28	6,06
	CHEMICAL STATUS	Good	48	100	270,69	100	8	100	48,66	100	25	100	163,93	100	81	100	483,28	100
		Failing to achieve Good	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Status/ Potential			Eastern Aegean RB (EL1436)				Cyclades RB (EL1437)				Dodecanese Islands RB (EL1438)				TOTAL RBD			
			Number	% of Number	Area (km²)	% of Area	Number	% of Number	Area (km²)	% of Area	Number	% of Number	Area (km²)	% of Area	Number	% of Number	Area (km²)	% of Area
LAKE TYPE RIVER HMWBs (RESERVOIRS)																		
TOTAL RESERVOIRS	ECOLOGICAL STATUS/	Good and Above	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Moderate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Poor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Bad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CHEMICAL STATUS	Unknown	3	100	0,42	100	3	100	0,51	100	3	100	5,18	100	9	100	6,12	100
		Good	2	66,67	0,30	70,36	3	100	0,51	100	1	33,33	0,09	1,74	6	66,67	0,90	14,68
		Failing to achieve Good	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Unknown	1	33,33	0,13	29,64	-	-	-	-	2	66,67	5,09	98,26	3	33,33	5,22	85,32
COASTAL WBs																		
TOTAL COASTAL WBs	ECOLOGICAL STATUS	High	12	70,59	1.768,64	79,14	33	94,29	3.292,30	97,49	26	74,29	2.144,84	66,19	71	81,61	7205,79	81,40
		Good	4	23,53	425,26	19,03	2	5,71	84,84	2,51	9	25,71	1.095,67	33,81	15	17,24	1605,78	18,14
		Moderate	1	5,88	40,96	1,83	-	-	-	-	-	-	-	-	1	1,15	40,96	0,46
		Poor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Bad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CHEMICAL STATUS	Good	17	100	2.234,87	100	35	100	3.377,14	100	35	100	3.240,52	100	87	100	8.852,53	100
		Failing to achieve Good	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWBs																		
TOTAL GWBs	CHEMICAL STATUS	Good	32	71,11	3.543,41	92,88	27	77,14	2.369,52	96,67	29	80,56	2.527,55	97,27	88	75,86	8.440,48	95,21
		Poor	13	28,89	271,62	7,12	8	22,86	81,66	3,33	7	19,44	71,03	2,73	28	24,14	424,32	4,79
		Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUANTITATIVE STATUS	Good	32	71,11	3.543,41	92,88	27	77,14	2.369,52	96,67	29	80,56	2.527,55	97,27	88	75,86	8.440,48	95,21
		Poor	13	28,89	271,62	7,12	8	22,86	81,66	3,33	7	19,44	71,03	2,73	28	24,14	424,32	4,79
		Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-