



**United Nations
Environment
Programme**

EP



UNEP(DEC)/MED WG. 331/Inf.5
10 April 2009

LANGUAGE : ENGLISH
ORIGINAL: FRENCH



MEDITERRANEAN ACTION PLAN

Ninth Meeting of Focal Points for SPAs

Floriana, Malta, 3-6 June 2009

**State of knowledge on the geographical distribution
of marine magnoliophyta meadows in the
Mediterranean**

*In the framework of a sustainable development approach,
this document will be available only in electronic format
during the meeting.*

Note : The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of UNEP concerning the legal status of any State, Territory, city or area, or of its authorities, or concerning the delimitation of their frontiers or boundaries.

© 2009 United Nations Environment Programme
Mediterranean Action Plan
Regional Activity Centre for Specially Protected Areas (RAC/SPA)
Boulevard du leader Yasser Arafat
B.P.337 –1080 Tunis CEDEX
E-mail : car-asp@rac-spa.org

The document has been prepared for the Regional Activity Centre for Specially Protected Areas (RAC/SPA), by:

Roselyne LEONARDINI, Gérard PERGENT & Charles-François BOUDOURESQUE
GIS POSIDONIE
Campus universitaire de Luminy
Case 901
13288 Marseilles Cedex 9
FRANCE

With the support of the National Focal Points for RAC/SPA.

Table of Contents

Introduction.....	3
Materials and Methods	7
Results.....	17
Albania.....	21
Algeria	27
Cyprus	39
Croatia.....	47
Egypt	51
France	57
Greece.....	165
Italy.....	245
Libya	269
Malta.....	279
Monaco.....	285
Slovenia.....	289
Spain	297
Tunisia.....	307
Turkey.....	353
Discussions and Conclusions	361
Bibliography.....	367

Introduction

When it was set up in 2003, the Strategic Action Programme for Biodiversity (SAP BIO) identified actions to be taken on a regional scale. Among the priority actions, SAP BIO states that “a full integrated inventory of Mediterranean habitats would be extremely useful in that it would identify the sites that are most critical for biodiversity. Such an inventory should consist in mapping their spatial distribution and also drawing up a complete list of the species associated with each habitat”. For the marine ecosystems, this programme mentions two habitats that should be given special attention, the magnoliophyta meadows and the coralligenous community (UNEP-MAP-RAC/SPA, 2008a; 2008b).

Moreover, among the priority actions of the Action Plan on the Conservation of Marine Vegetation in the Mediterranean Sea, adopted in 1999 by the Contracting Parties to the Barcelona Convention, the conservation of marine magnoliophyta meadows was the subject of particular attention (priority species). This Action Plan, implementation of which was entrusted to the Regional Activity Centre for Specially Protected Areas (RAC/SPA), stipulates that “*maps of the distribution of the main meadows at the level of each country must be published and circulated to the actors on the coast (municipality, industry, tourism, fishermen, etc.)*” and that it “*is necessary to collect the information that is available in this field and set up a Mediterranean databank held by RAC/SPA*” (UNEP-MAP-RAC/SPA, 2008a).

In this context, it seemed necessary (i) to make a first inventory of files available on a regional scale as regards priority habitats, focusing on the structuring habitats that the marine magnoliophyta meadows constitute, (ii) to set up a bibliographic database that integrates references in digital form, when they are accessible, and (iii) to craft an application layer of geo-referenced information (Geographic Information System) that integrates metadata in order to be able to link the graphic information and its documentary source.

Materials and Methods

Data acquisition

Many additional sources of information were the subject of investigation between the months of April and October 2008:

- A request for information was sent to each RAC/SPA Focal Point for him/her to communicate the data s/he possesses
- A list was made of resource persons (scientists, managers, agents in the public and local government services, NGOs, etc.) likely to possess information on the subject, and then these people were contacted individually to make clear the documents sought and the processing envisaged and to indicate the rules of circulation
- Several university libraries were consulted to look for 'scientific writing' that is not available on scientific databases (scientific reports, assignment reports, training course papers)
- On-line research (internet) for information is regularly done on international scientific databases (Web of Sciences, Bibliovie, Current Contents, etc.) and on sites presenting the results of specific programmes (e.g. MedMPA)
- The results of programmes that are being finished off (RSP Corse, MedPosidonia) were integrated thanks to the collaboration of the bodies in charge of these studies.

Data processing

Each document integrating cartographic elements is the subject of a standardised file that brings together scientific and technical information (source of the information, location and date of the study, method of investigation, etc.; Figure 1).

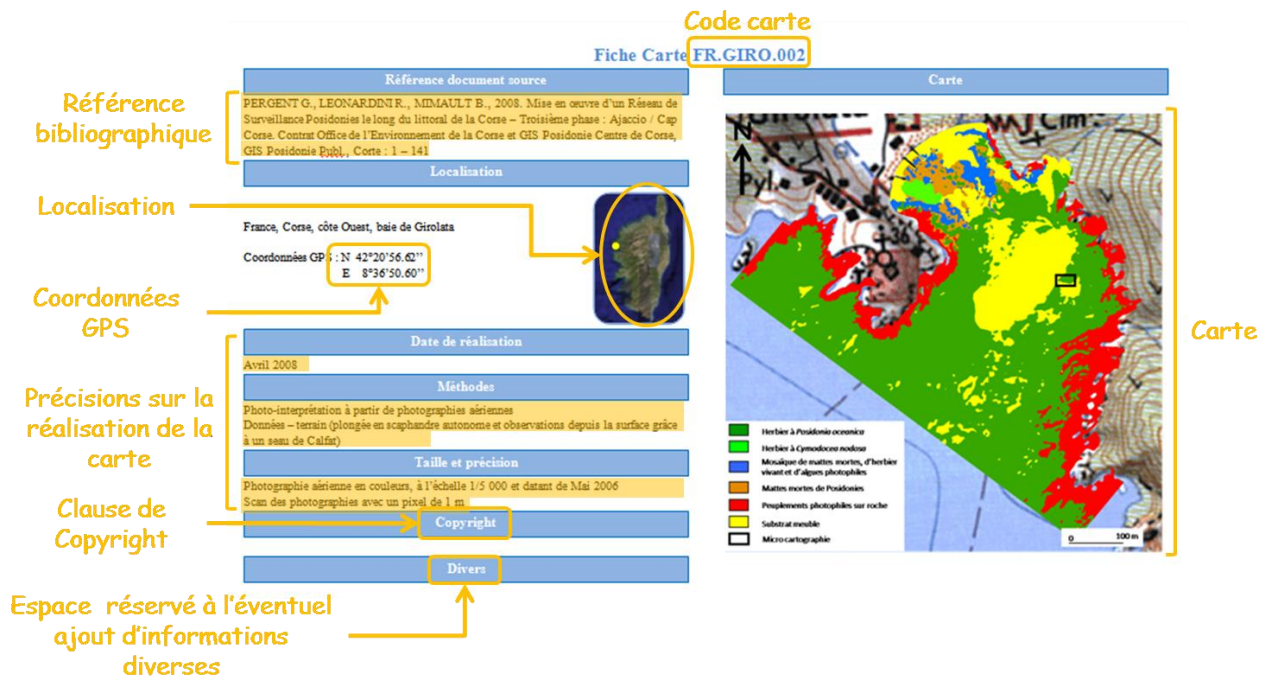


Figure 1: Analysis of the content of the technical file of the second map of the Girolata site (France, Corsica).

Each map and each corresponding technical file are represented by a code composed of two letters representing the name of the country, then four letters representing the name of the site, and finally three figures that enable a distinction to be drawn between several maps of a single site (Figure 2).

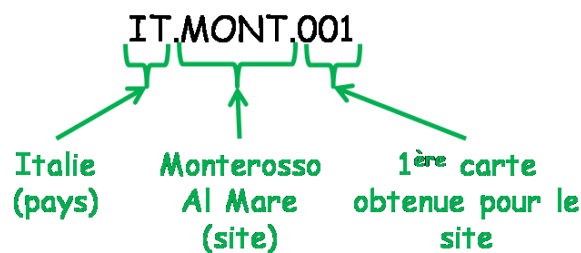


Figure 2: Composition of the code of a map: example of Monterosso Al Mare (Italy)

In the context of this study, the numbering of the maps of a single site is done in chronological order. Nevertheless, the databank's incrementation over time is likely to bring new maps that were possibly made before those that are already integrated. For example, for the Monterosso Al Mare site a new map will be called IT.MONT.002

even if the chronology is no longer respected, in order not to have to rename all the maps present in the database.

Out of the whole set of maps identified in the context of constituting the databank, several have been the subject of several studies at different periods. In this case, only the most recent map is integrated into the GIS, as long as the selected investigation method and accuracy are correct. Thus, for example, in the context of Saint-Florent Bay (Corsica), although maps were published in 1984, 1995 and 2008, only the 2008 map was integrated into the GIS. However, the existence of two other maps is still mentioned in the GIS by a hypertext link defining the area mapped.

Also, several maps were deliberately left out of the GIS either because their geo-referencing was not possible (inaccuracy as to their sitting) or because their graphic quality (black and white maps and/or over-pixelized maps) did not allow them to be processed with the Adobe Photoshop® software. However, hypertext links have been created over the areas concerned in the GIS to cite this information.

For the cartographic documents available in ‘paper’ form, an A4 scanner (HP® OfficeJet G55) or an A3 scanner (Mustek® 1200 A3 Pro) is used according to the size of the map. The image obtained with “.tiff” format is processed with the Adobe Photoshop® software in order to bring together certain keys and to homogenize the colours (Figure 3). The images taken from the Microsoft Word® (.doc or .docx) or the Adobe Reader® (.pdf) files are directly copied into the Adobe Photoshop® software to be processed there and saved in “.tiff” format (Figure 3).

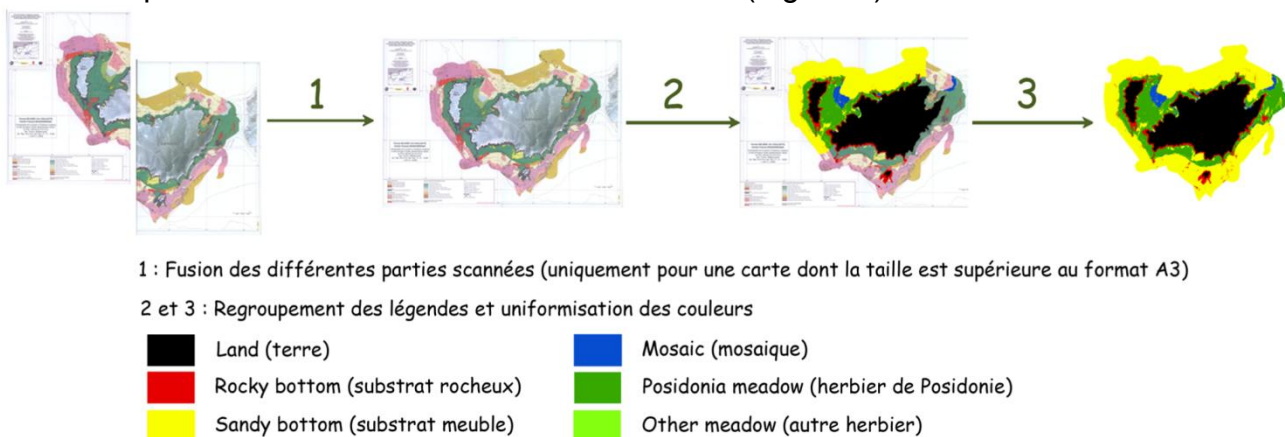


Figure 3: Processing a map using Adobe Photoshop software: example of Port-Cros

The image obtained is introduced into the GIS using the Arc Gis® software, thus giving a raster image. This is then vectorized and then geo-referenced either using the coastline when this is sufficiently precise or using geographic coordinates (Global Positioning System – GPS) for the map's characteristic points (anchoring points). Finally, the keys and the associated colours are homogenized to be identical for the entire cartographic base. Six populations and types of seabed are considered: loose substratum, rocky substratum, mosaic (degraded meadow), Posidonia meadow, other meadow (marine magnoliophyta), mixed meadow (Posidonia and other marine magnoliophyta).

Where the countries concerned have directly provided information application layers in “.shp” format, these are directly integrated into the GIS. Changes may later be made to the projection system so that all the application layers are presented in the same frame of reference (WGS 1984). In order to save all the information provided by the country, the initial keys are saved as they were originally. Alongside this, a copy of these application layers is made to be able to homogenize the keys in the whole mapping of the Mediterranean basin. When the data is transmitted in a format not directly recognized by ArcGIS (for example, in the case of Malta, where the application layers were made by MapInfo® software) it is necessary to convert this data beforehand into application layers that can be exploited by ArcGIS (.shp) using the Alter SIG Convert® software.

Each map integrated into the GIS is delimited by a square representing its shape and giving access to the map's technical file via a hypertext link. For older maps, or those for which it has been impossible to do a satisfactory geo-referencing, the hypertext link is anyway created on the corresponding area so that the map's descriptive file is accessible to GIS users. The whole set of files that can be consulted from GIS is stored in a Map and Information file and named by the date the map appeared and then the file code (Figure 4).

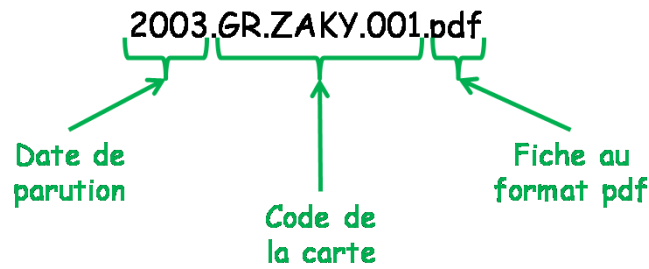


Figure 4: Composing the name of the technical file linked to a map by a hypertext link: example of Zakynthos (Greece)

Organisation and structuring of data

The Data file contains all the maps acquired and is subdivided into 22 sub-files (one per country). For every country, a tree diagram attributes a file to each site which contains the map/s of the site, as well as the correspondent technical file/s, in the Microsoft Word® (.doc and .docx) or Adobe Photoshop® (.pdf) formats (Figure 5).

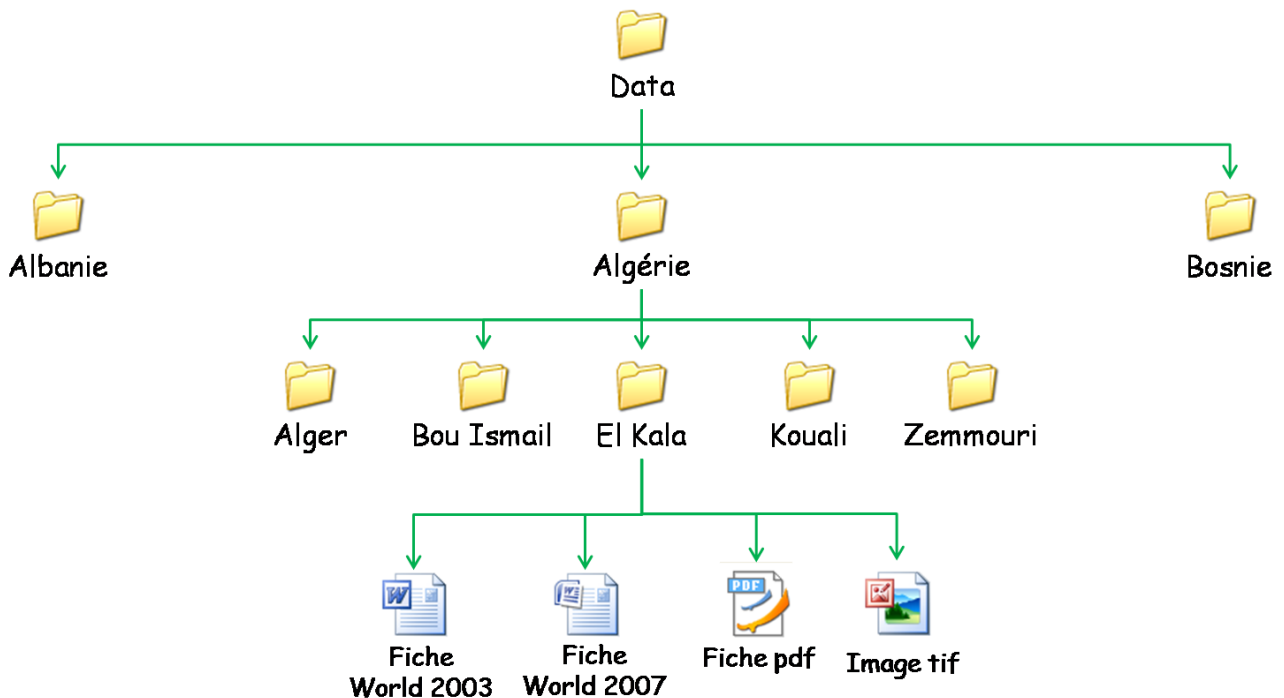


Figure 5: Representation of part of the tree diagram and the composition of the Data file

The GIS WGS 1984 file is made up of:

- a Coastline sub-file with all the Mediterranean countries' coastlines

- a Map and Information sub-file with all the maps' technical files with hypertext links
- a country-by-country sub-file in which a tree diagram is created with a file for each site and a single file containing possible maps of lakes and lagoons. This is accompanied by a Microsoft Excel® document and a Google Earth TM document listing the GPS points used to geo-reference certain maps (Figure 6).

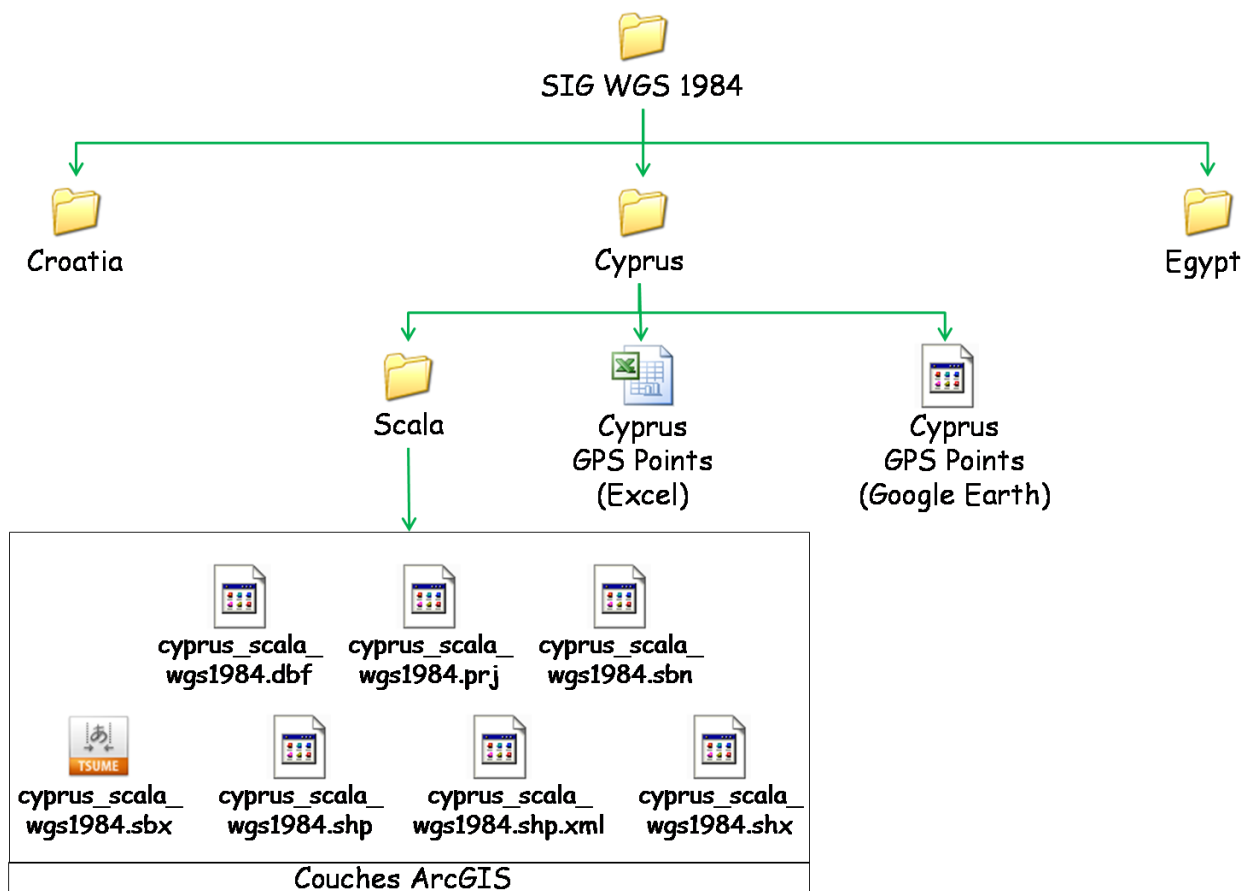
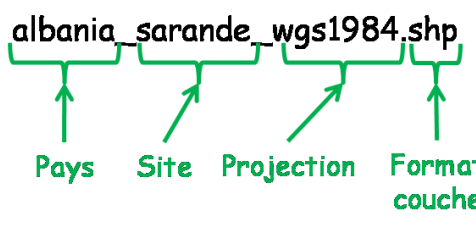
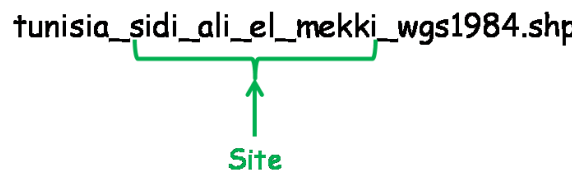

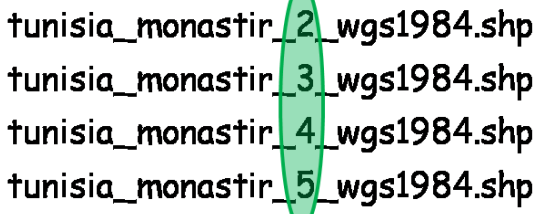



Figure 6: Representation of part of the tree diagram and the composition of the GIS WGS 1984 file

The terminology used to name the GIS application layers is in English. The method used is similar, although some small modifications can be made (Table 1).

Table I: Main cases encountered when giving a name to an application layer, and associated examples

Case	Example
<p>General:</p> <p>The application layer is named with the name of the country, the name of the site, the kind of projection given to the layer and the format of the application layer, the words being separated by a hyphen _</p>	<p style="text-align: center;">  </p>
<p>The site with a compound name: The name is given in its entirety, with the words separated by a hyphen _</p>	<p style="text-align: center;">  </p>
<p>Lagoons:</p> <p>The term « lagoon » has been integrated in the name of the layer</p>	<p style="text-align: center;">  </p>
<p>Several maps for the same site: To distinguish between several maps vectorized for one site, the number of the map is added to the name of the application layer (number as given in <u>Data</u>)</p>	<p style="text-align: center;">  </p> <p>Monastir 1 (TU.MONA.001) was not included in the GIS so the number does not appear in the layers and the rank stays unmodified.</p>
<p>The GIS application layer provided by a country:</p> <p>When an original version and a modified version are integrated into the GIS, there must be accuracy in the name of the application layer by adding the term 'original' or 'modified'.</p> <p>Also, according to the composition of the application layer, it is made clear whether it means an application layer on <i>Posidonia oceanica</i> meadows ("posidonia"), on mosaics ("mosaic") or on marine habitats ("habitats")</p>	<p style="text-align: center;">  </p>

Results

Sources of data

All RAC/SPA's Focal Points were contacted to obtain the available national summaries or referenced data. So far, twelve countries have responded, and eight of these provided national summaries (Table II)

Table II: Responses provided by RAC/SPA's Focal Points

.Country	Focal Points	Information given
Cyprus	Ministry of Agriculture, Natural Resources and Environment Department of Fisheries and Marine Research	No data available
Croatia	Ministry of Culture Nature Protection Directorate	National summary
France	Ministère de l'Écologie du Développement et de l'Aménagement Durable Direction de la Nature et des Paysages	National summary
Greece	Ministry of Environment Physical Planning and Publics Works Nature Management Section	National summary
Israel	Nature and National Parks Protection Authority Division of Science and Conservation	No data available
Italy	Ministry of the Environment, Land and Sea Nature Protection Directorate	National summary
Libya	Environment General Authority Department of Preservation of Nature and Natural Resources	No data available
Malta	Environment & Planning Authority Environment Protection Directorate	National summary
Monaco	Département de l'Équipement, de l'Environnement et de l'Urbanisme Division Patrimoine et Milieux	National summary
Slovenia	Institute of the Republic of Slovenia for Nature Protection Regional Institute for the Conservation of Natural and Cultural Heritage	National summary
Spain	Ministry of Environment Directorate General for Biodiversity	National summary
Turkey	Ministry of Environment and Forestry	One-off data

The resource persons contacted made a significant contribution to crafting this document (i) by making their scientific works available, (ii) by handing over

documents in their possession and (iii) by passing on this request to colleagues likely to possess additional information

As well as the documents available in computer databases (articles from indexed reviews, proceedings of international colloquiums, etc.), access to several university libraries and to GIS Posidonia's fund of documents enabled works with small circulation (scientific reports, assignment reports, training course papers, doctorates) to be identified and integrated.

At RAC/SPA's request, mapping now being done as part of the MedPosidonia programme (Libya, Tunisia and Turkey) is integrated into this study.

In all, nearly 300 cartographic documents, subjects of a standardised file, were considered in this summary. All these files are integrated in a database and, via a hypertext link, in the GIS. The most significant maps (the most recent and/or the most precise for a given sector) are vectorized and included as geo-referenced application layers in the GIS.

The documentary base (standardised files) is presented country by country at the end of this document, while the geo-referenced information application layers, accompanied by hypertext links, are given in the form of a set of files in Arc GIS (.shp) format.

Albania

Reference	Map Code	GIS
MINISTRY OF PUBLIC WORKS TRANSPORT AND TELECOMMUNICATION, 2007. Saranda Gateway, Albania Environmental Impact Studies and Environmental Impact Assessment. Draft Environmental Impact Assessment. Summary : 1-11	AL.SARA.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet map AL.SARA.001

Reference

MINISTRY OF PUBLIC WORKS TRANSPORT AND TELECOMMUNICATION,
2007. Saranda Gateway, Albania Environmental Impact Studies and Environmental
Impact Assessment. Draft Environmental Impact Assessment. Summary : 1-11

Location

Albania, Sarandë, bay of Sarandë

GPS Coordinates : N 39°52'0.50"
E 20° 0'1.37"



Date of achievement

Methods

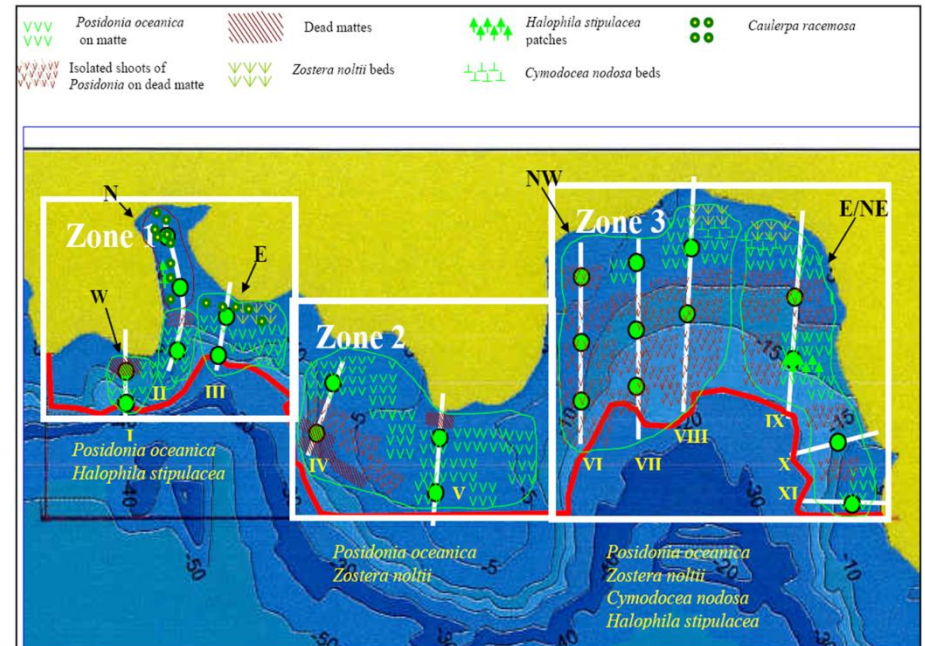
Size and accuracy

Copyright

Ministry of public works, transport and telecommunication

Other

Map



Algeria

Reference	Map Code	GIS
GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123	AG.ALGE.001	✓
	AG.BOUI.001	✓
	AG.BOUI.002	✗
	AG.KOUA.002	✓
	AG.ZEMM.001	✓
BOUMAZA S., 1995. Phénologie, biomasse, lépidochronologie et production primaire de l'herbier à <i>Posidonia oceanica</i> (L.) Delile de l'anse de Kouâli, Tipasa (Algérie) Thèse Doct. « Ecologie marine », Institut des sciences de la mer et de l'aménagement du littoral : 1-125	AG.KOUA.001	✗
PERGENT G., SEMROUD R., ROBERT P., 1991. - Inventaire des richesses écologiques littorales de la région d'El Kala (Algérie), en vue de l'extension du Parc National au domaine maritime. I. Etude préliminaire. Contrat projet n°9112 - 3 UICN / PNPC, GIS Posidonie Edit., Fr. : 1-49	AG.ELKA.001	✓
	AG.ELKA.002	✗

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map AG.ALGE.001

Reference

GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123

Location

Algeria, bay of Algiers

GPS Coordinates : N 36°46'10.52"
E 3°08'31.00"



Date of achievement

Methods

Data-field (scuba diving and transects)

Bibliographic synthesis from the documents:

GUETTAF, 1997 ;

MOUSSI N. & GHOUK K., 1996. Phénologie, biomasse, lépidochronologie et structure de la matre de l'herbier à *Posidonia oceanica* de la plage de Tamenfoust. Mém. Ing. USTHB, Alg. : 1-69 ;

SEMROUD R., 1993. Contribution à la connaissance de l'écosystème à *Posidonia oceanica* (L.) Delile dans la région d'Alger (Algérie) : étude de quelques compartiments. Thèse d'Etat, Université des Sciences et de la Technologie Houari Boumédiène, Alger, Algérie : 1-220 ;

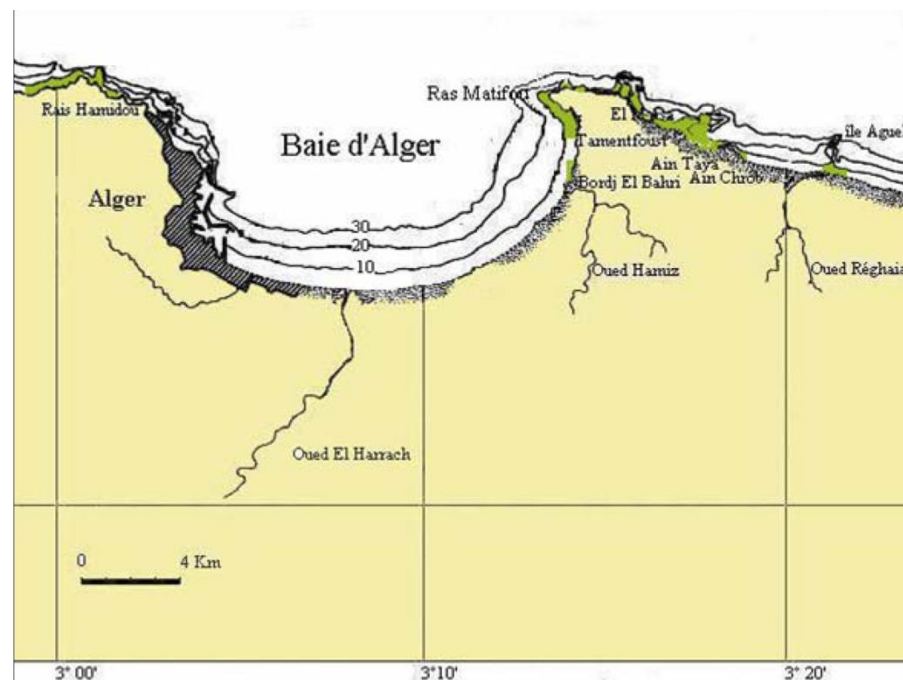
VAISSIERE ET FREDJ, 1963

Size and accuracy

Copyright

Other

Map



Sheet Map AG.BOUI.001

Reference

GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123

Location

Algeria, bay of Bou Ismail

GPS Coordinates : N 36°41'43.04"
E 2°38'57.80"



Date of achievement

Methods

Data-field (scuba diving and transects)

Bibliographic synthesis from the documents:

- BEGGHACHE, 2003 ;
- BOUMAZA S., 1995. Phénologie, biomasse, lépidochronologie et production primaire de l'herbier à *Posidonia oceanica* (L.) Delile de l'anse de Kouâli, Tipaza (Algérie). Thèse Magister, ISMAL, Alg. : 1-125 + annexes ;
- BRAIK, 1989 ;
- DIEUZEIDE *et al.*, 1953 ; 1955 ; 1959 ;
- DIEUZEIDE ET GOËAN-BRISSONIERE, 1951 ;
- DJABALI *et al.* 1993 ;
- GHEHIOUECHE ET ZELMAT, 1996 ;
- GUETTAF, 1997 ;
- LAMOUTI, 2003 ;
- LE GALL J.Y., 1969. Etude de l'endofaune des pelouses à *Zostéracées* superficielles de la baie de Castiglione (Algérie). *Téthys* 1(2) : 395-420 ;

OULMI, 1991 ;
REBOUH, 1997 ;

SEGUINI O. & NACEUR Y.K., 1996. Cartographie biosédimentaire de l'anse de Kouâli (Tipaza). *Mém. Ing. ISMAL, Alg.* : 1-62 ;

SEMROUD R., BOUMAZA S., BOUKORT R., BADJOU R., BOUMOULA N., HADJ AÏSSA R. & SIDI BOUMEDIENNE T. 1998. Surveillance de l'herbier à *Posidonia oceanica* (L.) Delile au large de la Grande Plage d'El-Djamila (Baie de Bou-Ismaïl, Algérie). *Convention DGE / ISMAL, ISMAL publ., Alger, Alg.* : 1-49 ;

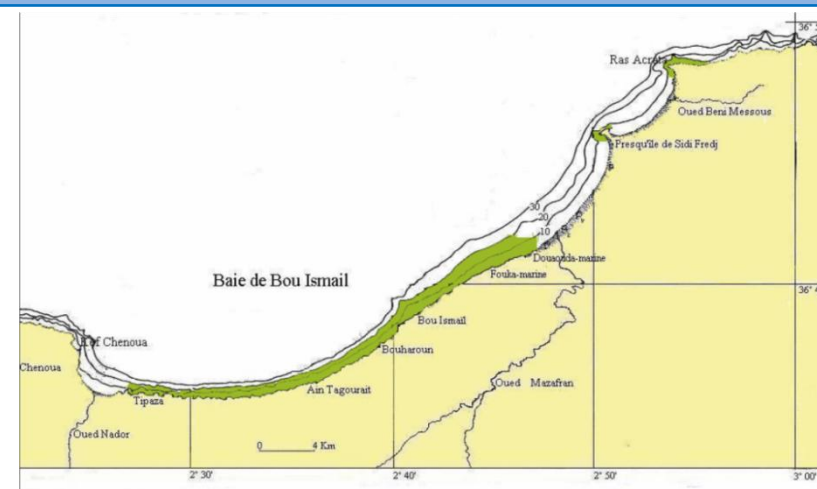
VAISSIERE ET FREDJ, 1963

Size and accuracy

Copyright

Other

Map



Sheet Map AG.BOUI.002

Reference

GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123

Location

Algeria, bay of Bou Ismail, sea front of the city of Bou Ismail

GPS Coordinates : N 36°39'0.67"
E 2°41'14.95"



Date of achievement

Methods

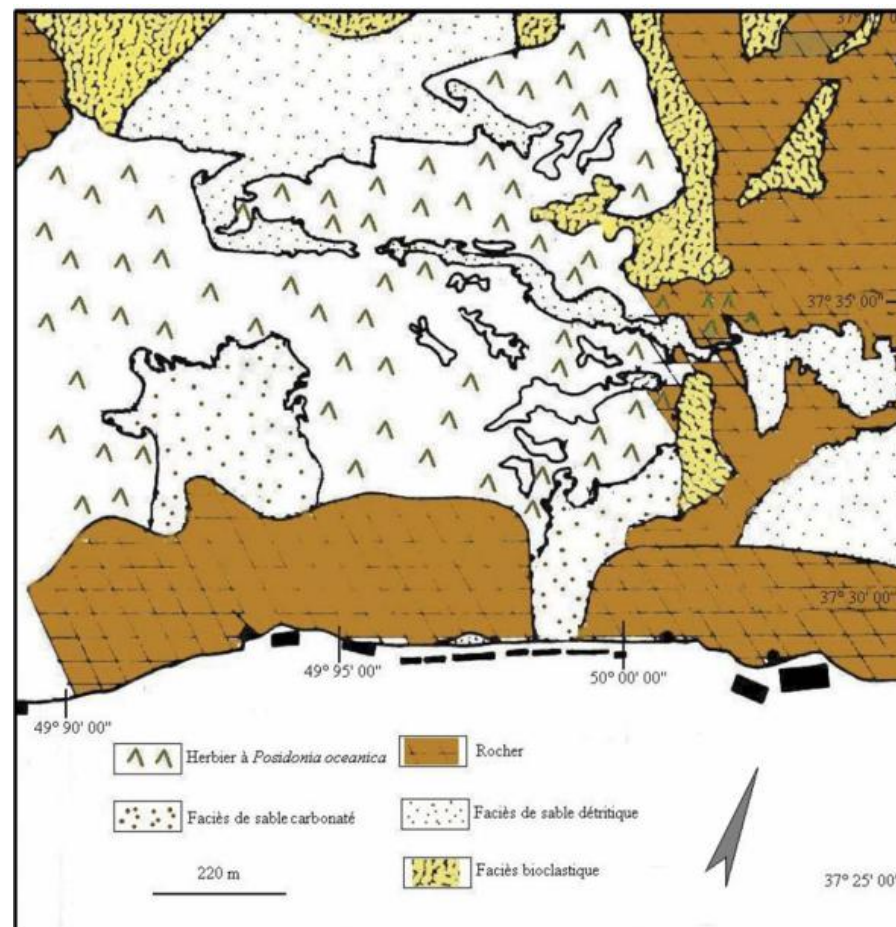
Bibliographic synthesis from the document : BRAÏK, 1989, modifié

Size and accuracy

Copyright

Other

Map



Sheet Map AG.ELKA.001

Reference

PERGENT G., SEMROUD R., ROBERT P., 1991. - Inventaire des richesses écologiques littorales de la région d'El Kala (Algérie), en vue de l'extension du Parc National au domaine maritime. I. Etude préliminaire. Contrat project n°9112 - 3 UICN / PNPC, GIS Posidonie Edit., Fr. : 1-49

Location

Algeria, El Kala region, West mouth of Melah lake.

GPS Coordinates : N 36°55'02.43"
E 8°18'19.95"



Date of achievement

Septembre 1990

Methods

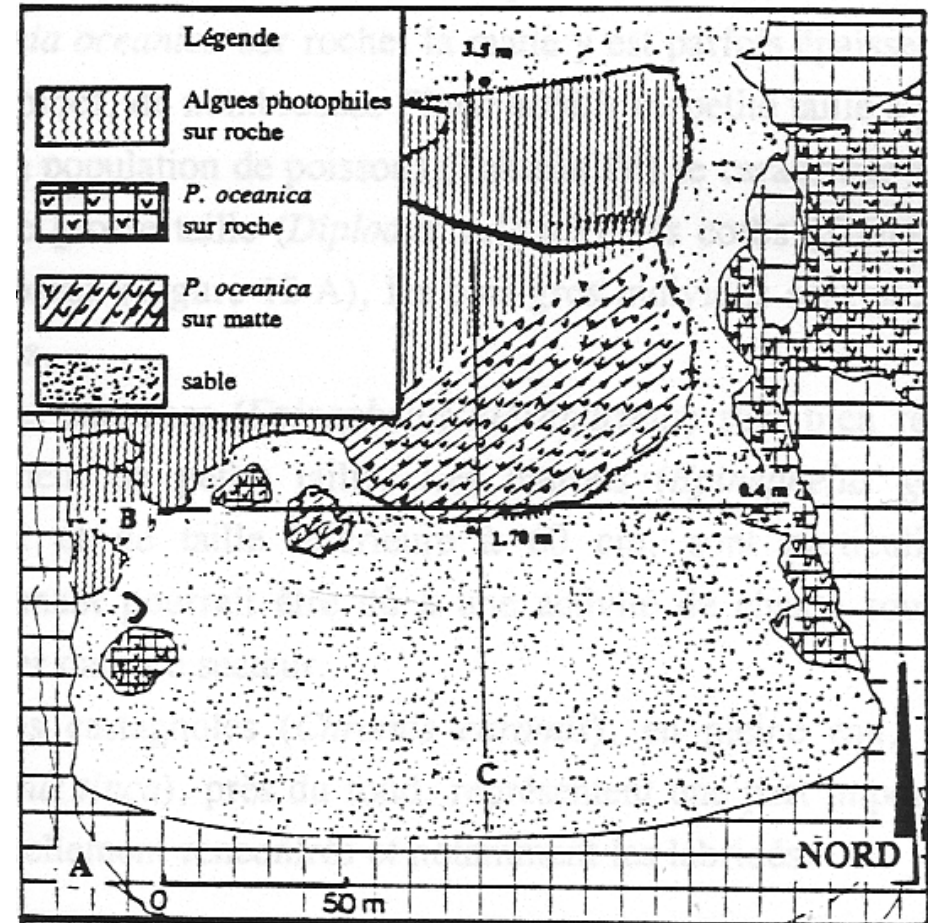
Data - field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map AG.ELKA.002

Reference

PERGENT G., SEMROUD R., ROBERT P., 1991. - Inventaire des richesses écologiques littorales de la région d'El Kala (Algérie), en vue de l'extension du Parc National au domaine maritime. I. Etude préliminaire. Contrat project n°9112 - 3 UICN / PNPC, GIS Posidonie Edit., Fr. : 1-49

Location

Algeria, El Kala region, crique de la Vieille Calle

GPS Coordinates : N 36°55'00.43"
E 8°20'19.86"



Date of achievement

Septembre 1990

Methods

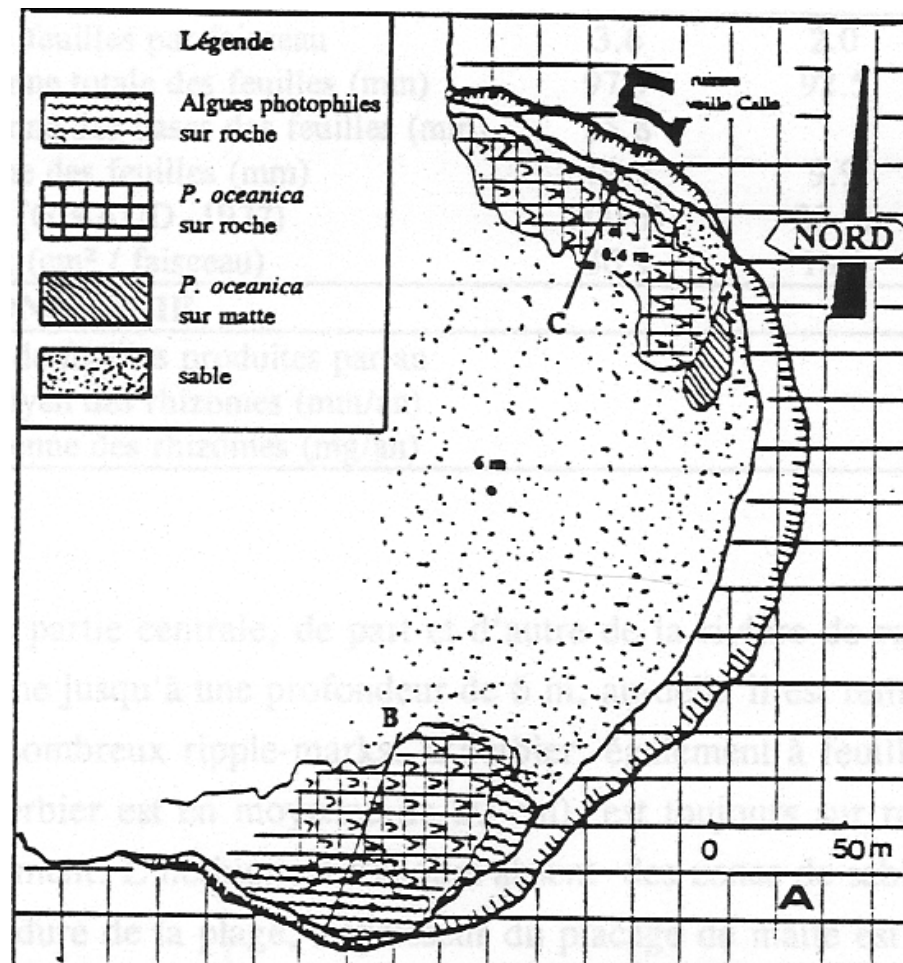
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map AG.KOUA.001

Reference

BOUMAZA S., 1995. Phénologie, biomasse, lépidochronologie et production primaire de l'herbier à *Posidonia oceanica* (L.) Delile de l'anse de Kouâli, Tipasa (Algérie) Thèse Doct. «Ecologie marine», Institut des sciences de la mer et de l'aménagement du littoral : 1-125

Location

Algeria, bay of Bou Ismail, Tipaza region, Kouali Cove

GPS Coordinates : N 36°35'27.29"
E 2°29'40.54"



Date of achievement

Summer 1993

Methods

Data-field (scuba diving and transects)
Photo interpretation from aerial
photography

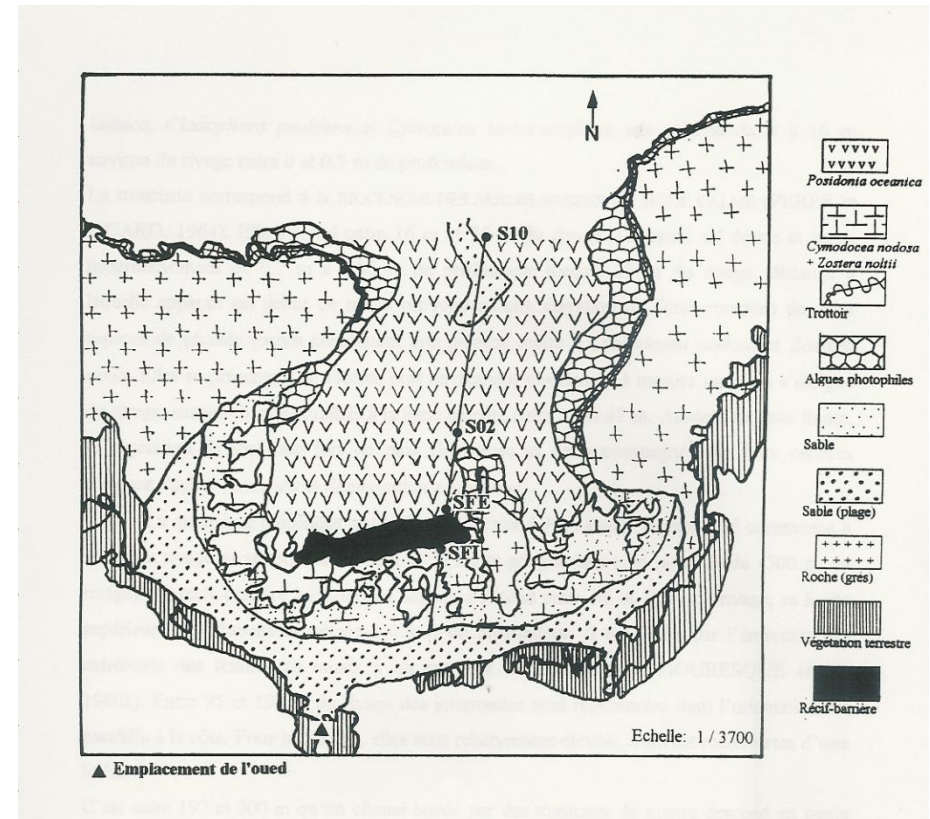
Size and accuracy

Black and white aerial photography, scale 1/10 000

Copyright

Other

Map



Sheet Map AG.KOUA.002

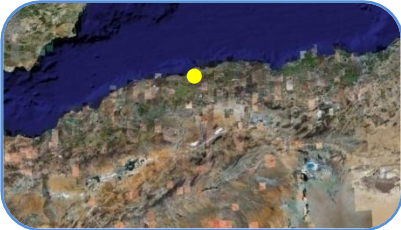
Reference

GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123

Location

Algeria, bay of Bou Ismail, Tipaza region, Kouali Cove

GPS Coordinates : N 36°35'27.29"
E 2°29'40.54"



Date of achievement

Methods

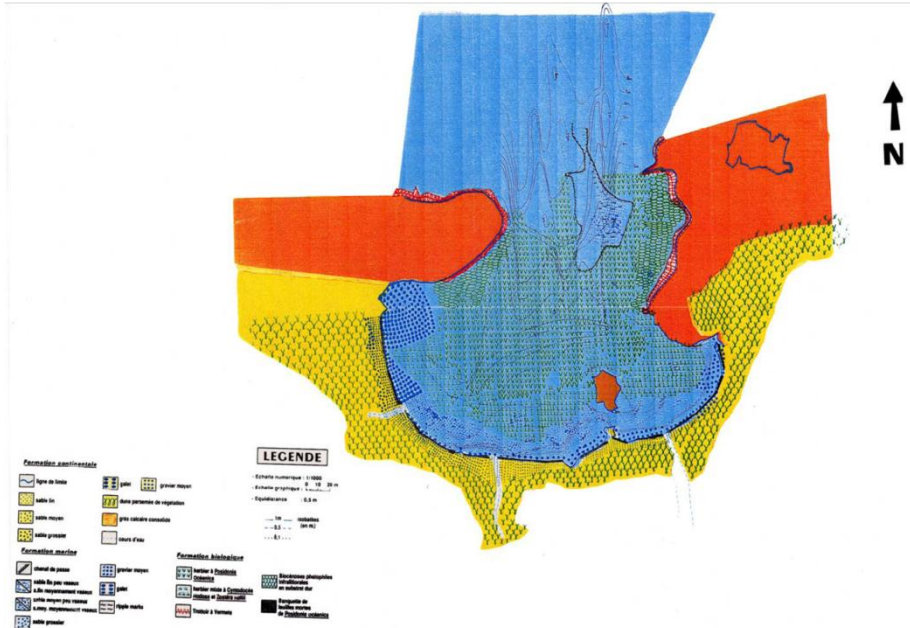
Bibliographic synthesis from the document : NACEUR & SEGUINI, 1997

Size and accuracy

Copyright

Other

Map



Sheet Map AG.ZEMM.001

Reference

GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123

Location

Algeria, Zemmouri bay

GPS Coordinates : N 36°49'39.46"
E 3°31'45.23"



Date of achievement

Methods

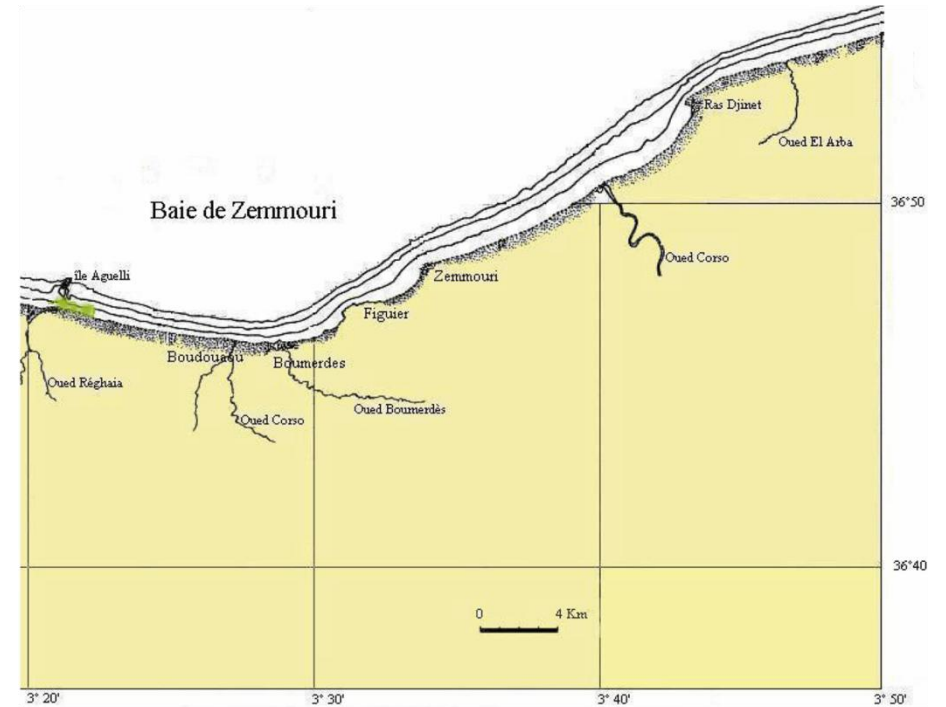
Data-field (scuba diving and transects)
Bibliographic synthesis from the document : VAISSIERE ET FREDJ, 1963

Size and accuracy

Copyright

Other

Map



Cyprus

Reference	Map Code	GIS
CAR/ASP, 2004. Regional Project for the Development of Marine and Coastal Protected Areas in the Mediterranean Region (MedMPA). Final Report (Activity PP1) : Identification of sites of conservation interest to elaborate a national management plan for the development of Marine Protected Areas in Cyprus. MedMPA Project, CAR/ASP-UE	CY.AKAM.001	✓
	CY.GREC.001	✓
	CY.MOUL.001	✓
RAMOS-ESPLA A. A., CEBRIAN D., DEMETROPOULOS A., 2007. Coastal Area Management Programme (CAMP) for Cyprus. Activity 6 : biodiversity concerns in Integrated Coastal Area Management (ICAM). Programme CAR/ASP – MAP – UNEP : 1 - 69	CY.SCAL.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map CY.AKAM.001

Reference

CAR/ASP, 2004. Regional Project for the Development of Marine and Coastal Protected Areas in the Mediterranean Region (MedMPA). Final Report (Activity PP1) : Identification of sites of conservation interest to elaborate a national management plan for the development of Marine Protected Areas in Cyprus. MedMPA Project, CAR/ASP-UE

Location

Cyprus, Paphos, Akamas peninsula

GPS Coordinates : N 35° 6'20.29"
E 32°15'29.73"



Date of achievement

Methods

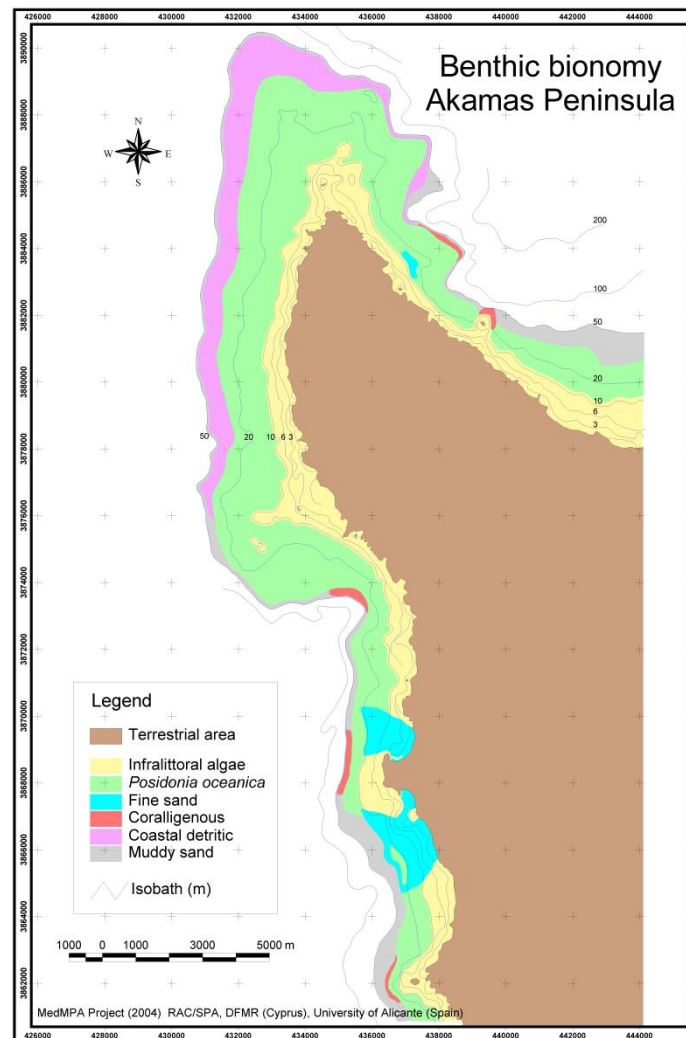
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map CY.GREC.001

Reference

CAR/ASP, 2004. Regional Project for the Development of Marine and Coastal Protected Areas in the Mediterranean Region (MedMPA). Final Report (Activity PP1) : Identification of sites of conservation interest to elaborate a national management plan for the development of Marine Protected Areas in Cyprus. MedMPA Project, CAR/ASP-UE

Location

Cyprus, Cap Greco

GPS Coordinates : N 34°57'23.92"
E 34° 5'20.24"



Date of achievement

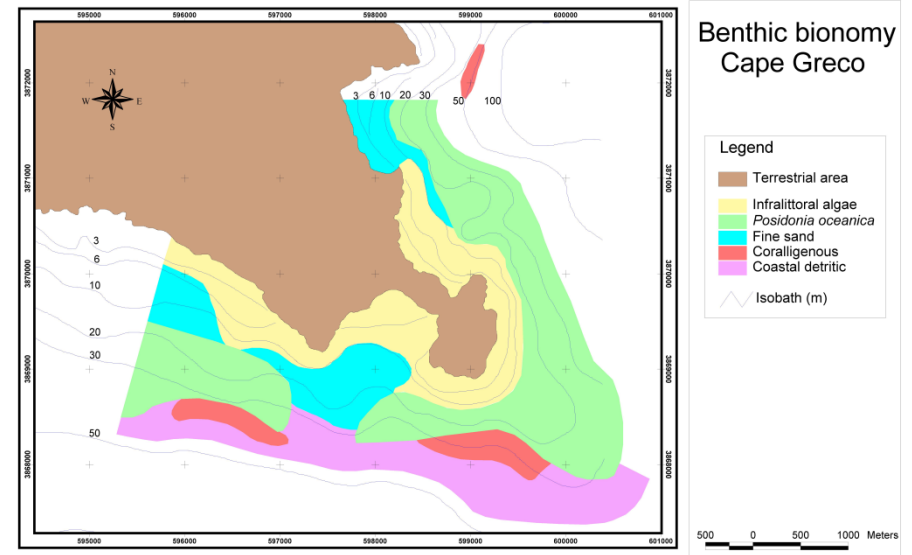
Methods

Data-field (scuba diving and transects)

Copyright

Other

Map



MedMPA Project (2004) RAC/SPA, DFMR (Cyprus), University of Alicante (Spain)

Sheet Map CY.MOUL.001

Reference

CAR/ASP, 2004. Regional Project for the Development of Marine and Coastal Protected Areas in the Mediterranean Region (MedMPA). Final Report (Activity PP1) : Identification of sites of conservation interest to elaborate a national management plan for the development of Marine Protected Areas in Cyprus. MedMPA Project, CAR/ASP-UE

Location

Cyprus, Paphos, Moulia rocks

GPS Coordinates : N 34°43'24.26"
E 32°25'56.40"



Date of achievement

Methods

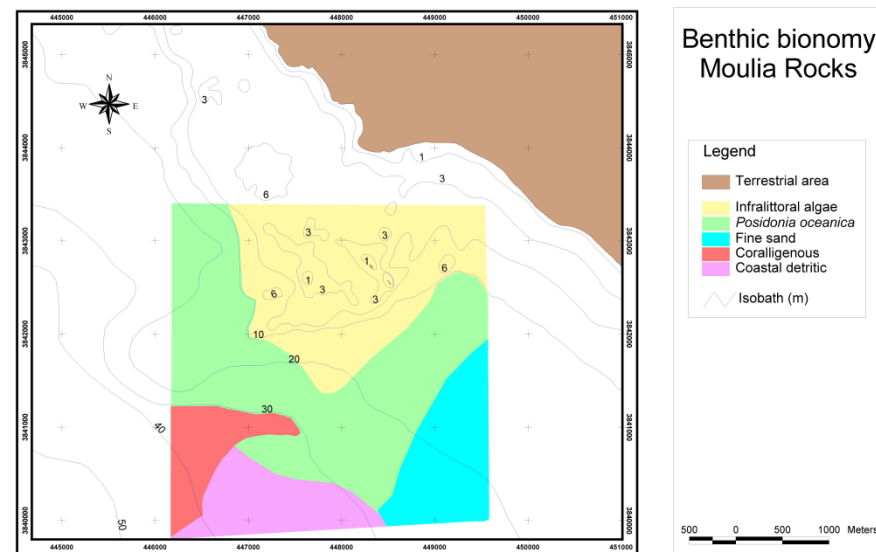
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



MedMPA Project (2004) RAC/SPA, DFMR (Cyprus), University of Alicante (Spain)

Sheet Map CY.SCAL.001

Reference

RAMOS-ESPLA A. A., CEBRIAN D., DEMETROPOULOS A., 2007. Coastal Area Management Programme (CAMP) for Cyprus. Activity 6 : biodiversity concerns in Integrated Coastal Area Management (ICAM). Programme CAR/ASP – MAP – UNEP : 1-69

Location

Cyprus, Larnaca, Scala region
GPS Coordinates : N 34°51'25.79"
E 33°38'35.70"



Date of achievement

Decembre 2006 and April 2007

Methods

Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map

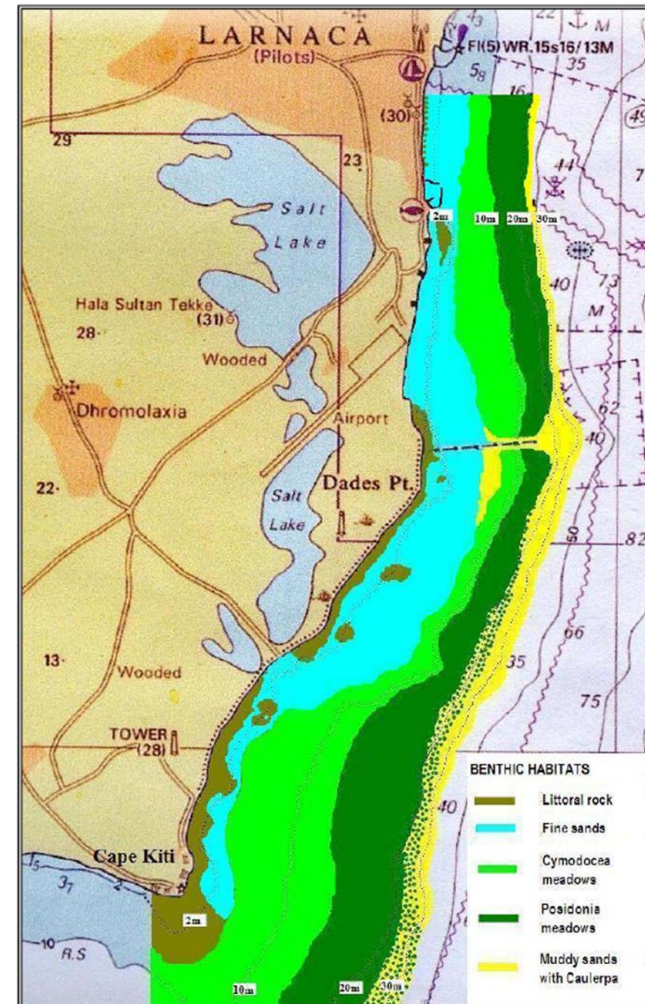


Figure 5-1. Marine habitat mapping (environmental units) of the South Larnaca sector.

Croatia

Reference	Map Code	GIS
MINISTRY OF CULTURE OF THE REPUBLIC CROATIA, 2004. Made by OIKON Ltd, Institute for applied ecology	CR.CROA.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map CR.CROA.001

Reference

MINISTRY OF CULTURE OF THE REPUBLIC CROATIA, 2004. Made by OIKON Ltd, Institute for applied ecology

Location

Littoral of Croatia



Date of achievement

2004

Methods

Satellite photo interpretation

Data field

Integration of geophysical data (bathymetry, currents, geology, slope, temperature...)

Size and accuracy

Satellite photo Landsat ETM+

Copyright

Ministry of Culture of the Republic Croatia

Other

Egypt

Reference	Map Code	GIS
MOSTAFA H.M., 1991. Ecological study of the marine phanerogam <i>Posidonia oceanica</i> and some of associated communities in the Mediterranean sea off Alexandria. Thesis, Univ. Alexandria, Egypt : 1-288	EG.ALEX.001	✘
	EG.ALEX.002	✘

✓ : Vectorized map in the GIS

✘ : Map with short cut in the GIS

Sheet Map EG.ALEX.001

Reference

MOSTAFA H.M., 1991. Ecological study of the marine phanerogam *Posidonia oceanica* and some of associated communities in the Mediterranean sea off Alexandria. Thesis, Univ. Alexandria, Egypt : 1-288

Location

Egypt, Alexandria region

GPS Coordinates : N 31°15'51.77"
E 29°53'50.63"



Date of achievement

Methods

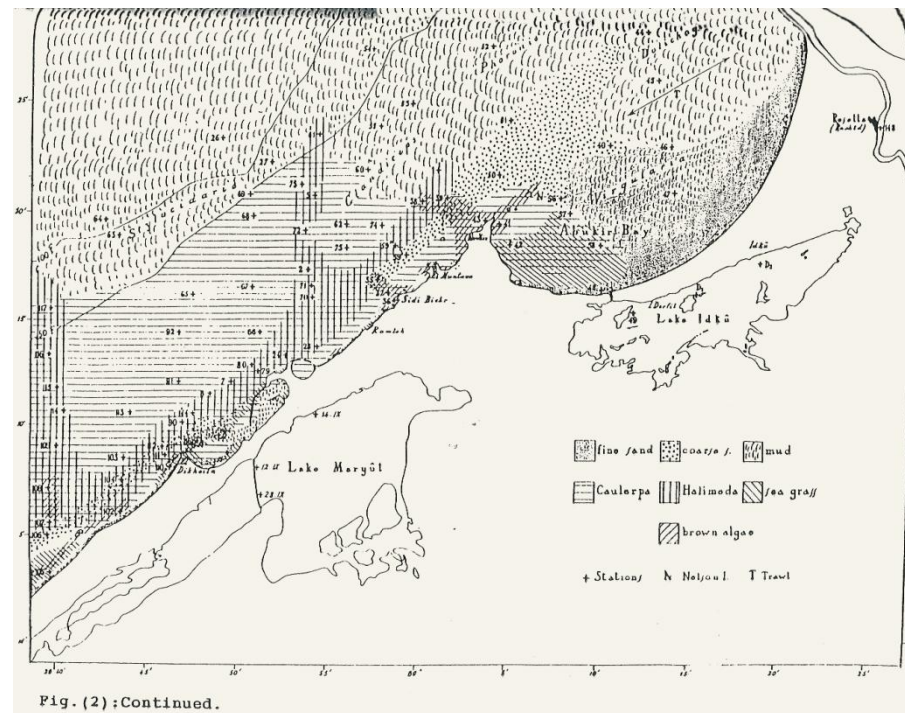
Bibliographic synthesis from the document : STEUER 1935

Size and accuracy

Copyright

Other

Map



Sheet Map EG.ALEX.002

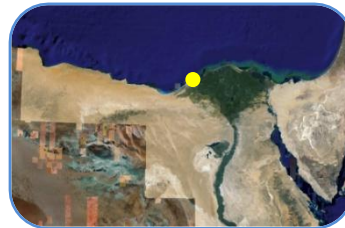
Reference

MOSTAFA H.M., 1991. Ecological study of the marine phanerogam *Posidonia oceanica* and some of associated communities in the Mediterranean sea off Alexandria. Thesis, Univ. Alexandria, Egypt : 1-288

Location

Egypt, Alexandria

GPS Coordinates : N 31° 9'57.64"
E 29°49'43.94"



Date of achievement

Methods

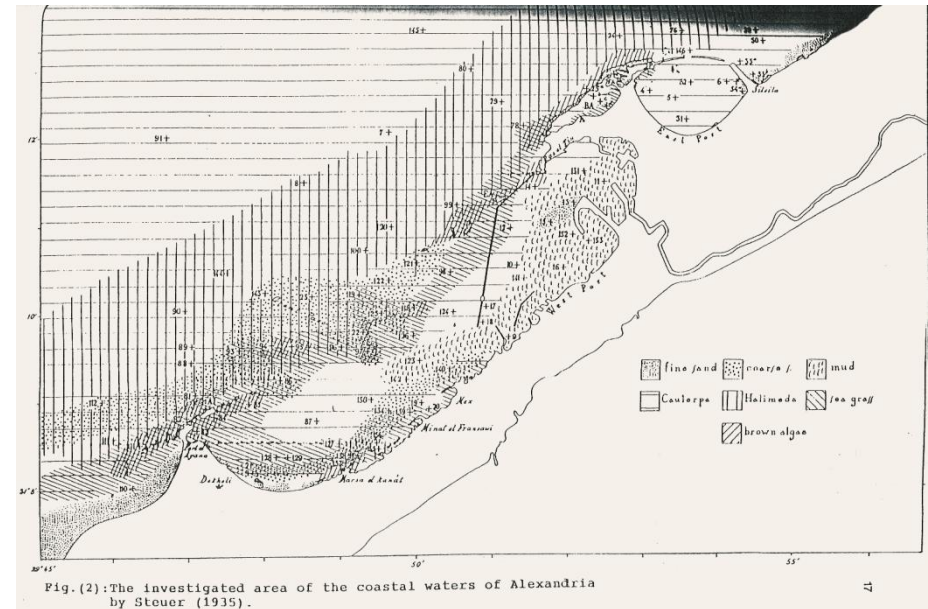
Bibliographic synthesis from the document : STEUER 1935

Size and accuracy

Copyright

Other

Map



France

Reference	Map Code	GIS
Agence des Aires Marines Protégées (document en cours de réalisation)	FR.CONT.001 à FR.CONT.005	✓
BALLESTA L., 1997. Contribution à la caractérisation des biocénoses benthiques de la côte des Albères. Mémoire de Diplôme d'Etudes Supérieures Spécialisées « Ecosystèmes Méditerranéens », Université de Corse, Fr. : 1-40 + annexes	FR.CRBE.001 FR.CRBE.002	✓ ✓
BELLONE E., MEINESZ A., 1995. Cartographie sous-marine du Parc National de Port-Cros (Var, France). I.- Elément de cartographie de l'herbier de <i>Posidonia oceanica</i> de la baie de Port-Man. Sci. Rep. Port-Cros natl. Park, 16 : 123-128	FR.CROS.002	✗
BELSHER T., HOULGATTE E., BOUDOURESQUE C.F., 2005. Cartographie de la prairie à <i>Posidonia oceanica</i> et des principaux faciès sédimentaires marins du Parc national de Port-Cros (Var, France, Méditerranée). Sci. Rep. Port-Cros natl. Park, Fr., 21 : 19-28	FR.CROS.004	✓
BELSHER T., MEINESZ A., LEFEVRE J.R., BOUDOURESQUE C.F., 1988. Simulation of Spot satellite imagery for charting shallow water benthic communities in the Méditerranéan. Marine Ecology, Germ., 9(2) : 157-165	FR.CIPR.001	✗
BOUDOURESQUE C.F., MEINESZ A., LEFEVRE J.R., 1984. Etude et cartographie du récif de Posidonies de Saint-Florent (Haute Corse). Rapp. Contrat D.R.A.E. Ajaccio, Univ. Aix-Marseille II - Univ. Nice, Fr. : 1-27	FR.SAIN.001 FR.SAIN.002	✗ ✗

<p>CHARBONNEL E., BOUDOURESQUE C.F., MEINESZ A., CADIOU G., BONHOMME P., BERNARD G., COTTALORDA J.M., PATRONE J., KRUCZEK R., BERTRANDY M.C., FORET P., BRICOUT P., MARRO C., LE DIREAC'H L., 2003. Le Réseau de Surveillance Posidonies de la Région Provence-Alpes-Côte d'Azur : résultats de suivi 2002. Région PACA / Agence de l'Eau RMC / GIS Posidonie / SM 13 / DDE 83 / Conseil Général 06. GIS Posidonie publ., Marseille, Fr. : 1-176</p>	FR.CASS.001	✘
	FR.CIOT.002	✓
	FR.GIEN.003	✓
	FR.PORQ.002	✓
<p>CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124</p>	FR.BORM.001	✓
	FR.CROS.003	✘
	FR.GIEN.002	✓
	FR.LEVA.001	✓
	FR.PORQ.001	✓
<p>CHARBONNEL E., FRANCOUR P., 1994. Cartographie des fonds et de l'herbier à <i>Posidonia oceanica</i> entre la calanque du Mugel et l'île verte (La Ciotat) pour le passage d'une canalisation d'alimentation en eau de l'île verte. Contrat ADES-Conseil Général des Bouches-du- Rhône & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-65</p>	FR.MUGE.001	✓
	FR.VERT.001	✘
	FR.VERT.002	✓
<p>CHARBONNEL E., GRAVEZ V., ABELLARD O., BOUDOURESQUE C.F., REMONNAY L., 1995. Surveillance de l'herbier à <i>Posidonia oceanica</i> du golfe de Giens (Var, France). Second suivi. Contrat Syndicat Intercommunal Hyères-Carqueiranne pour l'assainissement de la baie de Giens & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-106 + annexes</p>	FR.GIEN.001	✓

CREOCEAN, 2008. Commune de Sari-Solenzara. Mise en sécurité et extension du port de plaisance de Solenzara. Phase 1 : Reconnaissance du milieu marin : 1-124	FR.SOLE.002	✓
FERNANDEZ C., PERGENT-MARTINI C., PASQUALINI V., 1997. Etude de faisabilité d'un mouillage organisé dans la baie de Tizzano - Approche environnementale. Contrat Mairie de Sartène/GIS Posidonie N°9702, GIS Posidonie - Centre de Corse édit., Corte	FR.TIZZ.001	✓
JAVEL F., 2007. Commune de Vico. Etude et cartographie des peuplements marins de la baie de Sagone. Safege : 1-43 + annexes	FR.SAGO.001	✓
MEINESZ A., BOUDOURESQUE C.F., VAUGELAS DE J., CHIAVERINI D., 1998. Carte des biocénoses sous-marines de la Baie d'Elbo (Réserve Naturelle de Scandola). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 163-169	FR.ELBO.001	✗
NIERI M., 1991. Contribution à la surveillance et à la cartographie biocénotique des fonds littoraux des Bouches-du-Rhône et du Var (Méditerranée-France). Thèse doctorat Ecologie, Université Aix-Marseille II, Fr. : 1-158 + annexes	FR.CIOT.001	✗
	FR.CROS.001	✗
PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165	FR.CORS.001 à FR.CORS.009	✓
PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 1995. Etude de la formation récifale de St-Florent (Haute-Corse) Cartographie et évolution. Contrat DIREN/GIS Posidonie, GIS Posidonie - Centre de Corse édit., Fr. : 1-49	FR.SAIN.003	✗
PERGENT G., 1991. L'anse du Rouet (Côte Bleue, Bouches-du-Rhône) Types de fonds – Peuplements – Aménagements. GIS Posidonie Edit. : 1-16	FR.ROUE.001	✗
PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-108	FR.BGUG.001	✓
	FR.CMPO.001	✓
	FR.FIUM.001	✓
	FR.SISC.001	✓
	FR.SOLE.001	✗

PERGENT G., BOUDOURESQUE C.F., THELIN I., MARCHADOUR M., PERGENT-MARTINI C., 1991. Cartography of benthic vegetation and sea-bottom types in the harbour of Banyuls-sur-Mer (Pyrénées-orientales, France). Vie Milieu, 41(2/3) : 165-168	FR.BANY.001	✓
PERGENT G., CLABAUT P., MIMAULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133	FR.CAMP.001 FR.PORT.001 FR.PRTI.001 FR.ROCC.001 FR.SCIU.003	✓ ✓ ✓ ✓ ✓
PERGENT G., LEONARDINI R., MIMAULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 - 141	FR.AGRI.001 FR.CALV.002 FR.CENT.001 FR.GIRO.002 FR.SAIN.004	✓ ✓ ✓ ✓ ✓
PERGENT G., PERGENT-MARTINI C., MIMAULT B., PASQUALINI V., 2002. Impacts et tracés potentiels d'un câble d'alimentation électrique entre la Corse et la Sardaigne : Expertise biologique. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-31 + annexes	FR.CIAP.001 FR.SCIU.001 FR.SPER.001	✓ ✗ ✓
PERGENT G., PERGENT-MARTINI C., PASQUALINI V., 2003. Mise en place d'un câble sous-marin dans la Cala Sciumara : Incidence des travaux et propositions pour réduire les impacts sur le milieu naturel. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-22	FR.SCIU.002	✗
PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., 1993. Etude de faisabilité d'un mouillage organisé dans le port-abri de Girolata - Approche environnementale. Contrat BCEOM/GIS Posidonie, GIS Posidonie - Centre de Corse édit., Fr. : 1-73 + annexes	FR.GIRO.001	✗

<p>PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., SEGUI C., TOMASZEWSKI J.E., 2000. Les étangs littoraux de Corse : Cartographie des peuplements et types de fonds. Contrat Equipe Ecosystèmes Littoraux - Université de Corse & IFREMER, N° 99 3 514004 : 1-33</p>	<p>FR.BIGU.001 FR.DIAN.001 FR.URBI.001</p>	<p>✓ ✓ ✓</p>
<p>PERGENT-MARTINI C., PASQUALINI V., PERGENT G., 2000. Impact de la station d'épuration de la Ville de Marseille sur l'herbier à <i>Posidonia oceanica</i> du secteur de Cortiou. Contrat Ville de Marseille/GIS Posidonie N°9904, GIS Posidonie Edit., Corte : 1 - 47</p>	<p>FR.PLAT.003 FR.PLAT.004 FR.CORT.002 FR.CORT.003</p>	<p>✗ ✓ ✗ ✓</p>
<p>PERGENT-MARTINI C., PERGENT G., 1990. - Suivi de l'évolution de l'herbier à <i>Posidonia oceanica</i> après la mise en service de la station d'épuration de Marseille. Contrat Ville de Marseille/Université Aix-Marseille II N° 9261, LBMEB & GIS Posidonie Edit., Fr. : 1-58</p>	<p>FR.PLAT.001 FR.CORT.001</p>	<p>✗ ✗</p>
<p>PERGENT-MARTINI C., PERGENT G., GIRARD M., 1993. L'herbier à <i>Posidonia oceanica</i> du Plateau des Chèvres – Impact de la station d'épuration de la Ville de Marseille après quatre années de fonctionnement. Contrat Ville de Marseille/GIS Posidonie N° 9211, CEVAREN & GIS Posidonie Centre de Corse Edit., Fr. : 1-48</p>	<p>FR.PLAT.002</p>	<p>✗</p>
<p>PERGENT-MARTINI C., RICO-RAIMONDINO V., PERGENT G., BOUDOURESQUE C.F., BOUQUEGNEAU J.M., ARNOUX A., 1993. Mémorisation des métaux-traces par <i>Posidonia oceanica</i>. Qualité du milieu marin – Indicateurs biologiques et physico-chimiques. Boudouresque C.F., Avon M. & Pergent-Martini C. edit., GIS Posidonie publ., Fr. : 105-120</p>	<p>IT.CALV.001</p>	<p>✗</p>
<p>PETRAGALLO S., MIMAULT B., PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 2004. Etat de référence des principaux peuplements et types de fonds du Parc Marin International des Bouches de Bonifacio. Convention de recherche Seagrass 2000 & O.E.C., Seagrass 2000 édit., Corte : 1-54 + annexes</p>	<p>FR.BONI.001 FR.MOIN.001</p>	<p>✓ ✓</p>

SEMROUD R., PERGENT G., BERTRANDY M.C., 1990. Cartographie des peuplements de Macrophytes benthiques (algues et phanérogames) dans les étangs de Berre et de Vaïne (Bouches-du-Rhône, France). Contrat Agence de l'Eau / GIS Posidonie & Cellule Qualité des Eaux Littorales, Fr. : 1-52	FR.BERR.001	✓
STARESO, 1992. Etude du milieu marin en vue de l'implantation d'un émissaire de rejet par la commune de Taglio Isolaccio	FR.PELL.001	✗
STARESO, 1993. Etude du milieu marin en vue de l'implantation d'un émissaire de rejet en mer à Macinaggio (Commune de Rogliano) : 1-80	FR.MACI.001	✗
STARESO, 1997. Etude du milieu marin en vue du rejet des déblais de dragage du port de commerce de Bastia, Notice d'impact : 1-25	FR.TOGA.001	✗
VAUGELAS DE J., CHIAVERINI D., MEINESZ A., PIETRI F., 1998. Carte des biocénoses sous-marines de la réserve naturelle des Lavezzi. Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 171-175	FR.LAVE.005	✗

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41	FR.ARBI.001	x
	FR.CAVA.001	x
	FR.CAVA.002	x
	FR.CAVA.003	x
	FR.CAVA.004	x
	FR.CAVA.005	x
	FR.FIGA.001	x
	FR.LAVE.001	x
	FR.LAVE.002	x
	FR.LAVE.003	x
	FR.LAVE.004	x
FR.ROND.001	x	
FR.STAG.001	x	
VAUGELAS DE J., MEINESZ A., CULIOLI J.M., 1998. Premiers éléments sur les peuplements sous-marins des îles Cerbicaie (Corse du Sud). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 11-41	FR.CERB.001	x
	FR.CERB.002	x
	FR.CERB.003	x
VELA A., PERGENT-MARTINI C., PASQUALINI V., LEONI V., PERGENT G., 2001. Parc Marin International des Bouches de Bonifacio, Etat de référence des herbiers à <i>Posidonia oceanica</i> , Contrat GIS Posidonie & O.E.C. : 1-35	FR.BRUZ.001	✓
	FR.CERB.004	✓
	FR.LAVE.006	✓

✓ : Vectorized map in the GIS

x : Map with short cut in the GIS

Sheet Map FR.AGRI.001

Reference

PERGENT G., LEONARDINI R., MIMAULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 – 141

Location

France, Corsica, West coast, Les Agriates

GPS Coordinates : N 42°43'51.92"
E 9° 8'7.54"



Date of achievement

May 2006

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

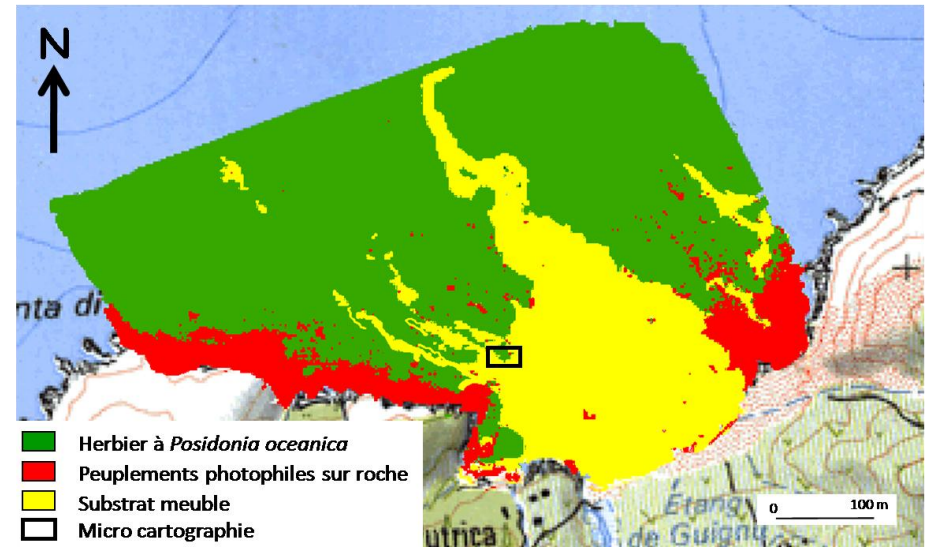
Size and accuracy

Coloured aerial photography at a scale of 1/5 000 dated from May 2006
Scan of the photography with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.ARBI.001

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, West coast, Pianottoli-Caldarello region, Arbitru cove

GPS Coordinates : N 41°28'32.82"
E 9° 0'53.17"



Date of achievement

May 1995

Methods

Photo interpretation from aerial photographs
Data-field (scuba diving and transects)

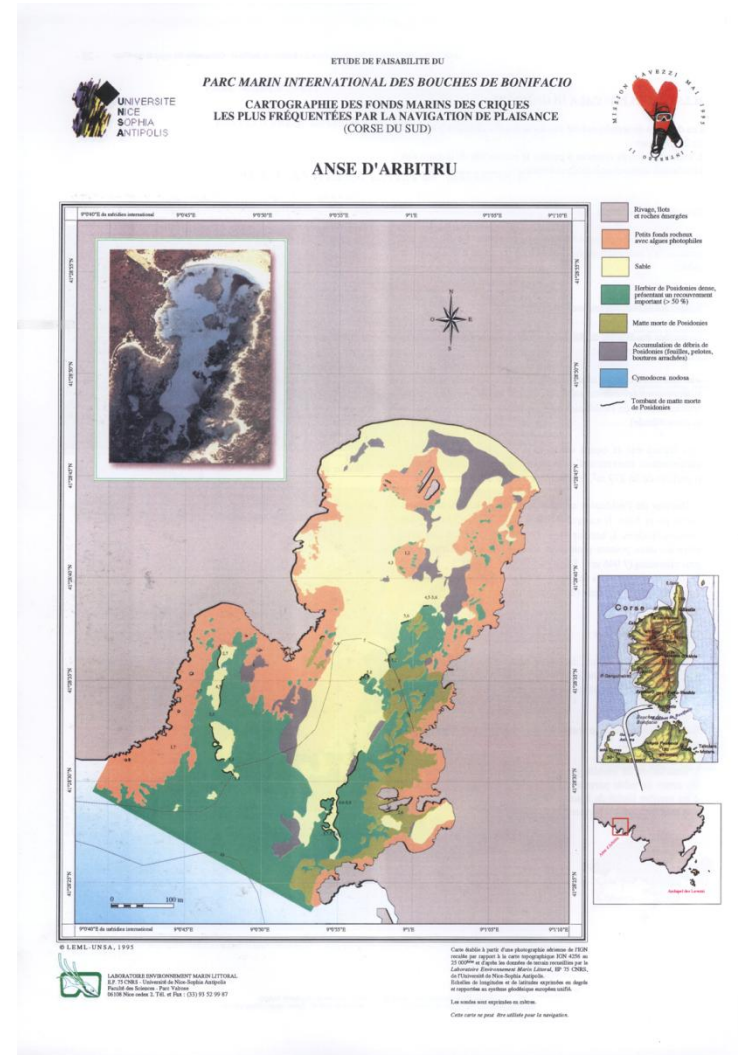
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



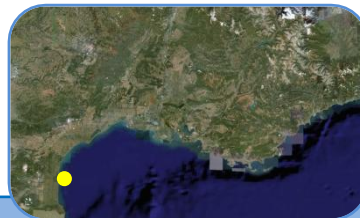
Sheet Map FR.BANY.001

Reference

PERGENT G., BOUDOURESQUE C.F., THELIN I., MARCHADOUR M., PERGENT-MARTINI C., 1991. Cartography of benthic vegetation and sea-bottom types in the harbour of Banyuls-sur-Mer (Pyrénées-orientales, France). *Vie Milieu*, 41(2/3) : 165-168

Location

France, Languedoc-Roussillon, Pyrénées-Orientales, Banyuls-sur-Mer, port
GPS Coordinates : N 42°28'50.41"
E 3° 8'4.33"



Date of achievement

January to March 1985

Methods

Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map

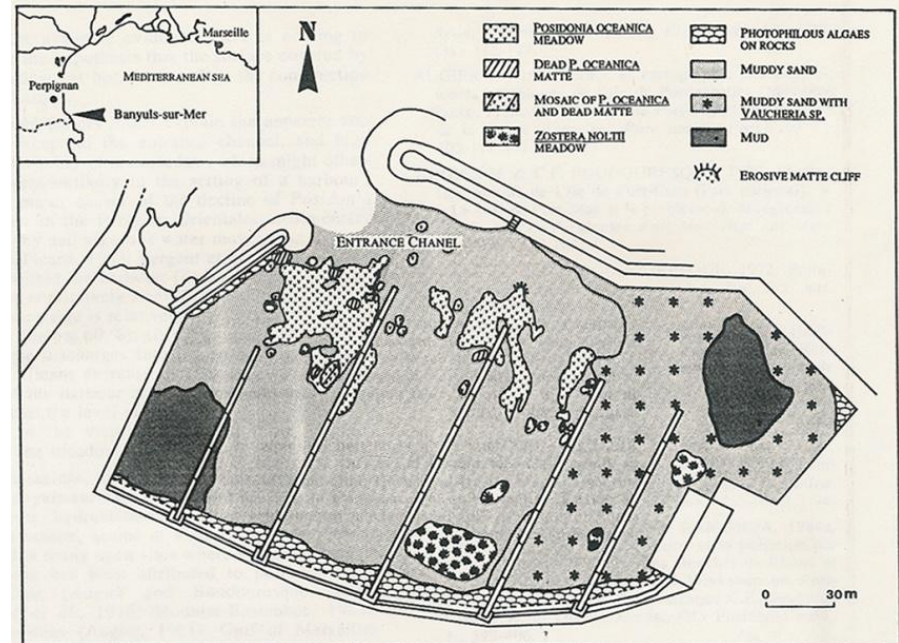


Fig. 1. – Map of benthic vegetation and sea-bottom types in the harbour at Banyuls-sur-Mer (December 1985). Above, on the left corner, localization of Banyuls-sur-Mer harbour.

Sheet Map FR.BERR.001

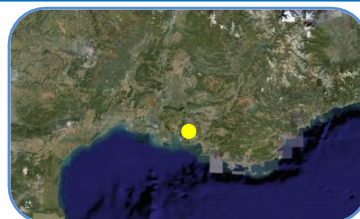
Reference

SEMROUD R., PERGENT G., BERTRANDY M.C., 1990. Cartographie des peuplements de Macrophytes benthiques (algues et phanérogames) dans les étangs de Berre et de Vaine (Bouches-du-Rhône, France). Contrat Agence de l'Eau / GIS Posidonie & Cellule Qualité des Eaux Littorales, Fr. : 1-52

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, étangs de Berre et de Vaine

GPS Coordinates : N 43°28'7.98"
E 5° 5'44.08"



Date of achievement

June and July 1990

Methods

Data field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map

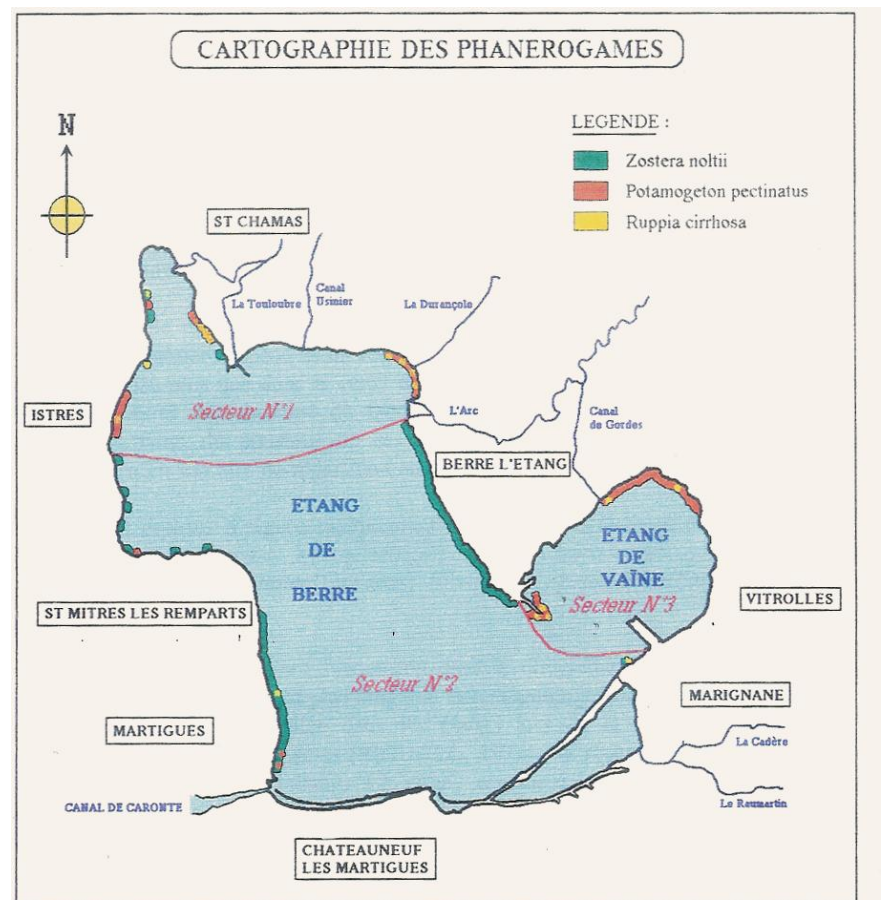


Figure 19 : Localisation des phanérogames le long du littoral des étangs de Berre et de Vaine (Juin à Juillet 1990).

Sheet Map FR.BGUG.001

Reference

PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-108

Location

France, Corsica, East coast, South – East Biguglia lagoon

GPS Coordinates : N 42°34'51.96"
E 9°31'14.73"



Date of achievement

April-May 2004

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

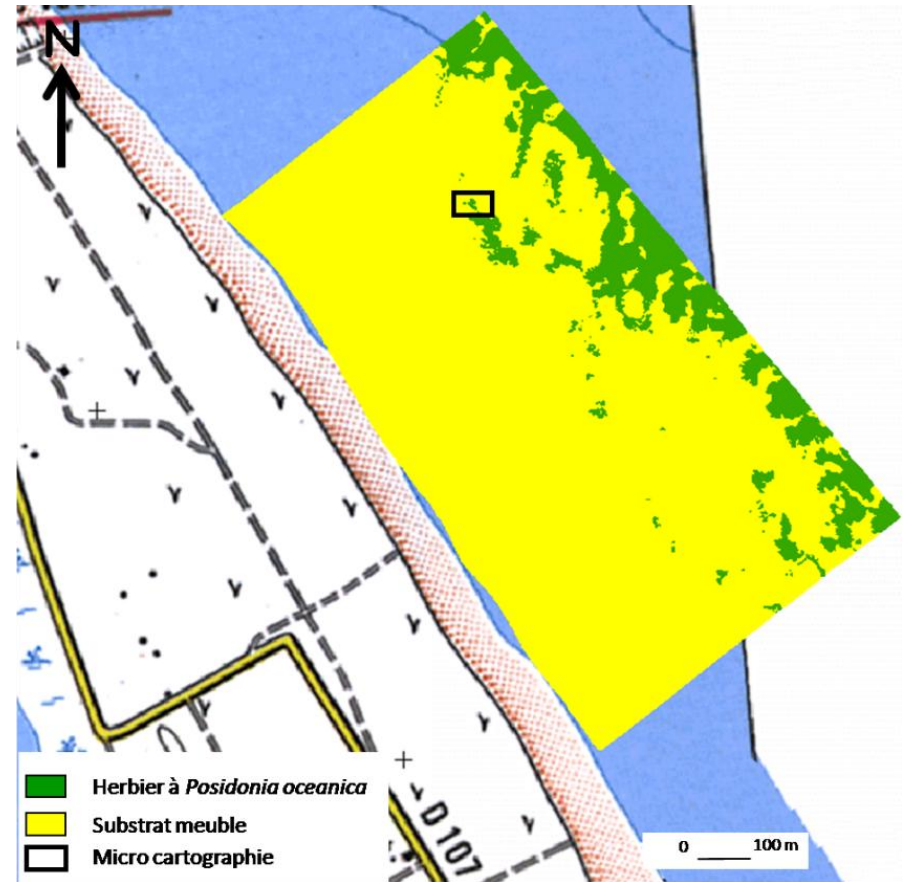
Size and accuracy

Coloured Aerial photography, scale 1/5 000 dated from May 2004
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.BIGU.001

Reference

PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., SEGUI C., TOMASZEWSKI J.E., 2000. Les étangs littoraux de Corse : Cartographie des peuplements et types de fonds. Contrat Equipe Ecosystèmes Littoraux - Université de Corse & IFREMER, N° 99 3 514004 : 1-33

Location

France, Corsica, East coast, Biguglia lagoon

GPS Coordinates : N 42°35'30.02"
E 9°29'07.40"



Date of achievement

June 1999 and June 2000

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

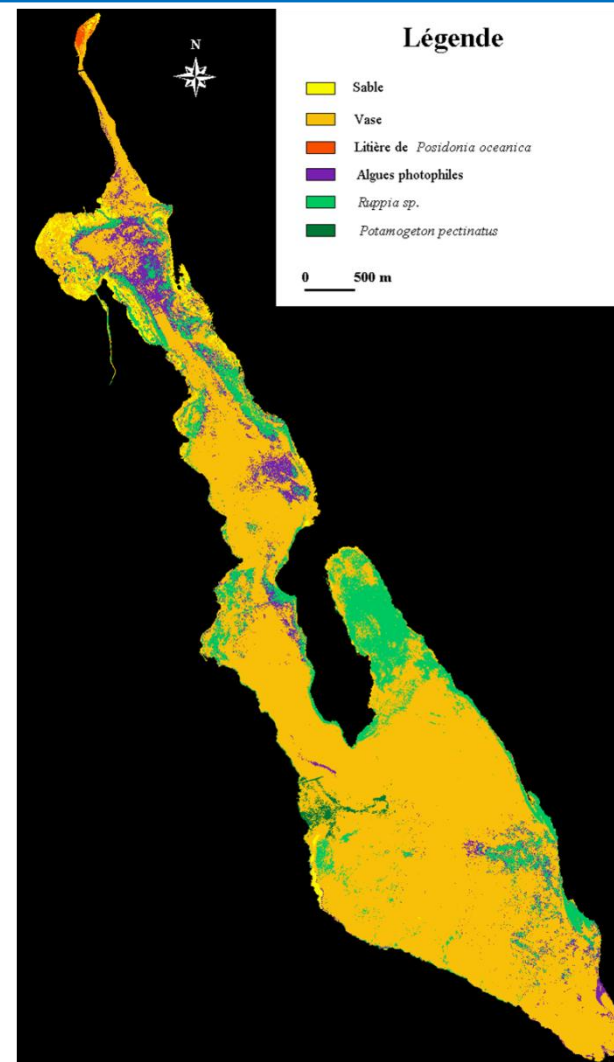
Size and accuracy

1500 ha
Coloured Aerial photography, scale 1/10 000 dated from June 1999
Photography scan with a pixel of 2 m

Copyright

Other

Map



Sheet Map FR.BONI.001

Reference

PETRAGALLO S., MIMAUT B., PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 2004. Etat de référence des principaux peuplements et types de fonds du Parc Marin International des Bouches de Bonifacio. Convention de recherche Seagrass 2000 & O.E.C., Seagrass 2000 édit., Corte : 1-54 + annexes

Location

France, Corsica, extreme South, Bonifacio Cliffs

GPS Coordinates : N 41°23'16.43"
E 9° 8'26.17"



Date of achievement

Methods

Photo interpretation from aerial photography

Data field (scuba diving and observations from the surface through a bucket of Calfat)

Bibliographic synthesis from the documents :

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

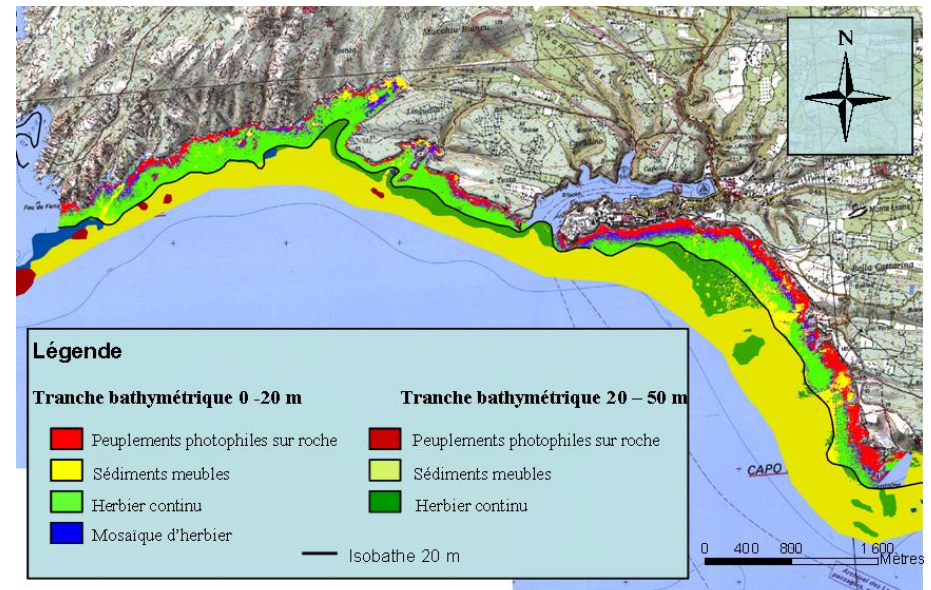
Size and accuracy

Coloured Aerial photography, scale 1/10 000 dated from May 2004

Copyright

Other

Map



Sheet Map FR.BORM.001

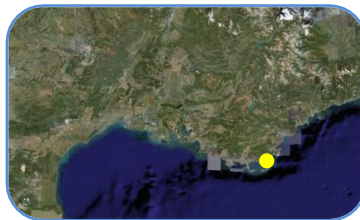
Reference

CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124

Location

France, Provence-Alpes-Côte d'Azur, Var, Bormes-les-Mimosas, port de Bormes

GPS Coordinates : N 43° 7'24.91"
E 6°22'7.45"



Date of achievement

February 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

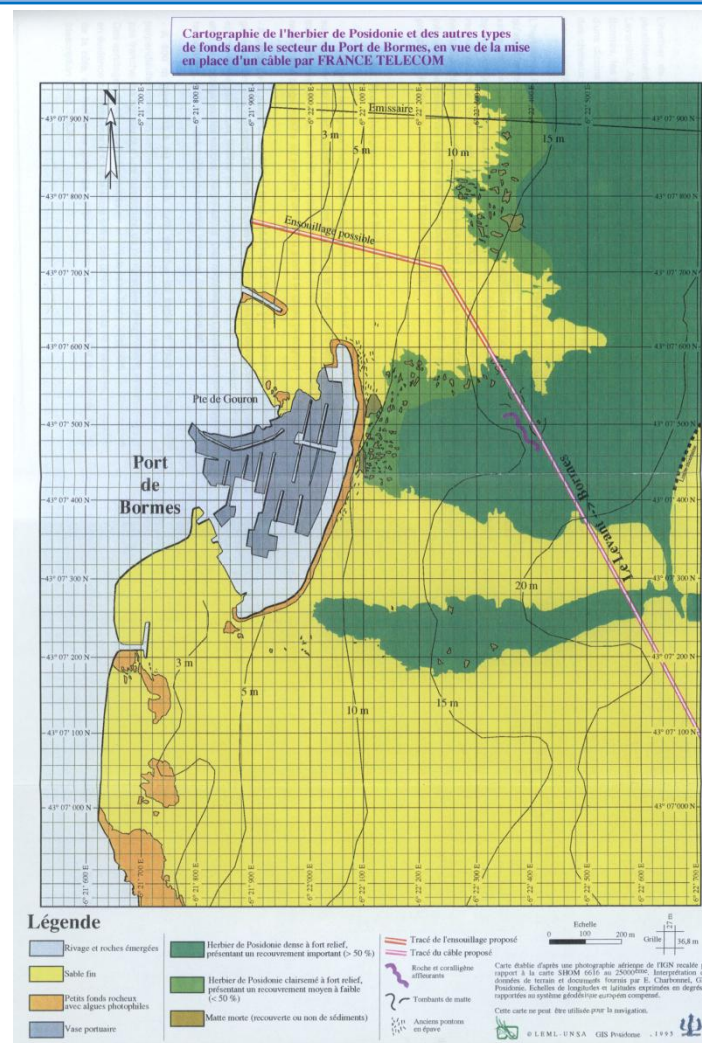
Size and accuracy

Aerial photography at a scale 1/4 600 dated from 1992

Copyright

Other

Map



Sheet Map FR.BRUZ.001

Reference

VELA A., PERGENT-MARTINI C., PASQUALINI V., LEONI V., PERGENT G., 2001. Parc Marin International des Bouches de Bonifacio, Etat de référence des herbiers à *Posidonia oceanica*, Contrat GIS Posidonie & O.E.C. : 1-35

Location

France, Corsica, West coast, Pianottoli-Caldarello region, îles Bruzzi island

GPS Coordinates : N 41°27'32.58"
E 9° 1'4.79"



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

Bibliographic synthesis from the documents :

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

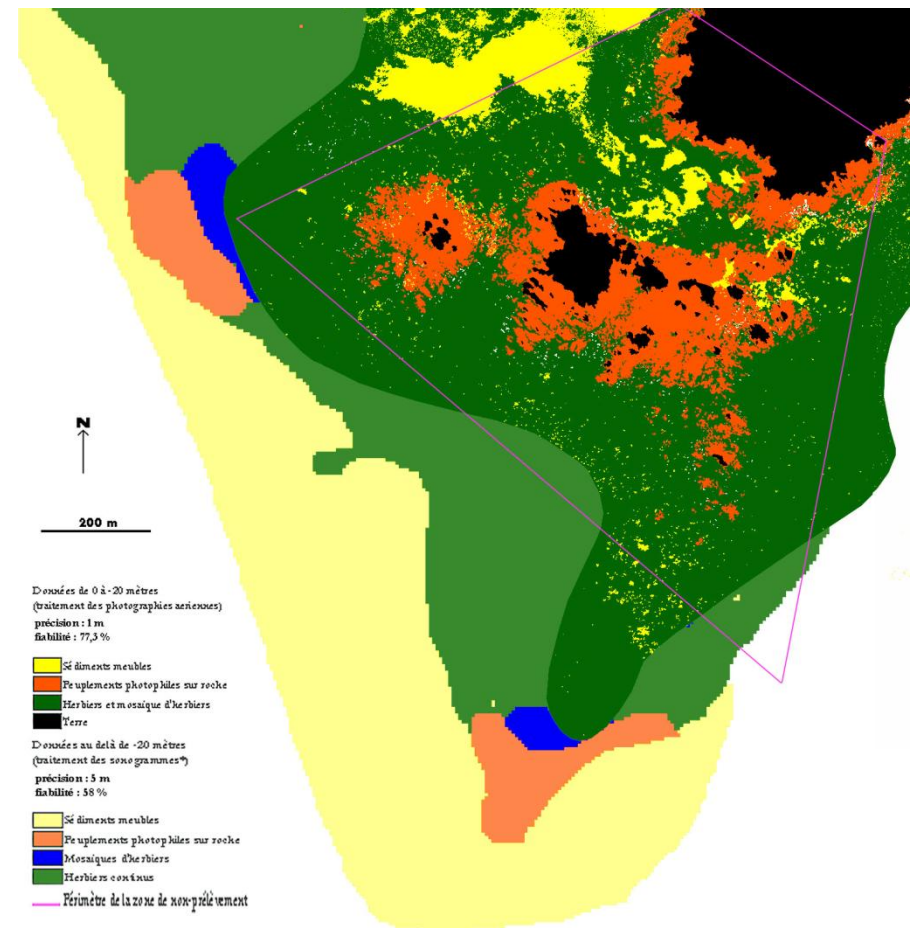
Size and accuracy

Coloured Aerial photography, scale 1/12 000 dated from 2001
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.CALV.001

Reference

PERGENT-MARTINI C., RICO-RAIMONDINO V., PERGENT G., BOUDOURESQUE C.F., BOUQUEGNEAU J.M., ARNOUX A., 1993. Mémorisation des métaux-traces par *Posidonia oceanica*. Qualité du milieu marin – Indicateurs biologiques et physico-chimiques. Boudouresque C.F., Avon M. & Pergent-Martini C. edit., GIS Posidonie publ., Fr. : 105-120

Location

France, Corsica, West coast, Calvi bay

GPS Coordinates : N 42°33'57.02"
E 8°46'57.78"



Date of achievement

Methods

Bibliographic synthesis from the documents :

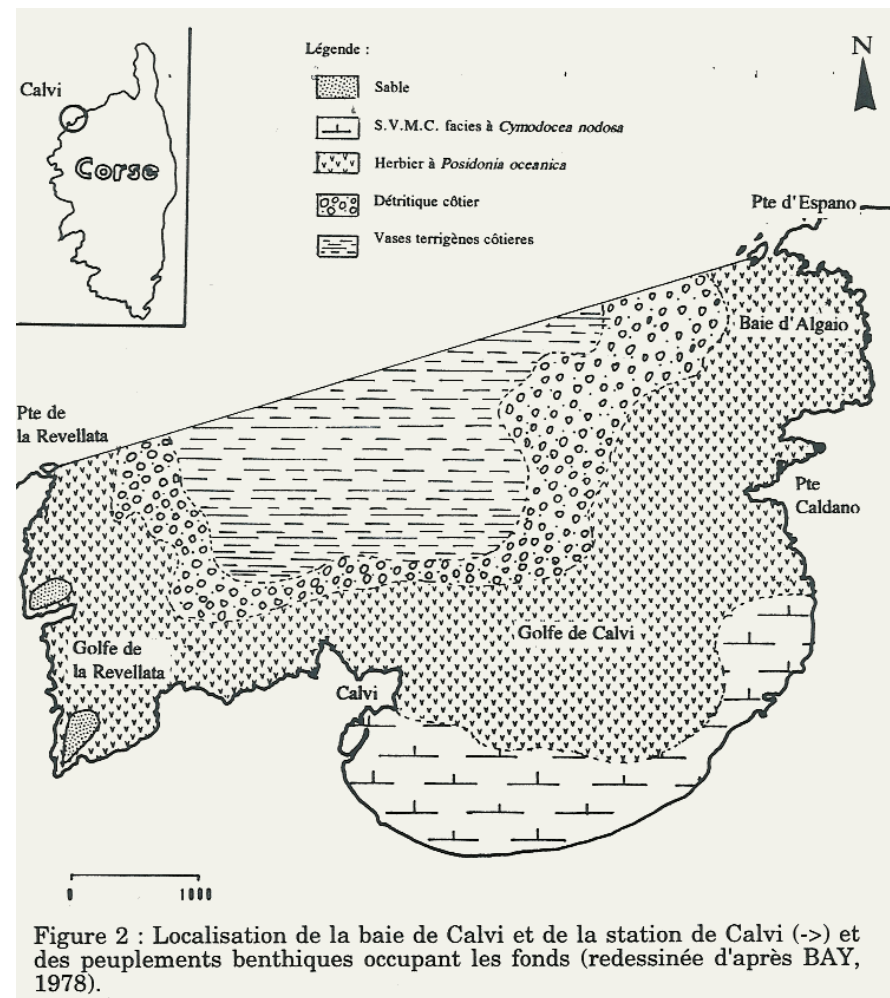
BAY D., 1978. Etude in situ de la production primaire d'un herbier de Posidonies (*Posidonia oceanica* (L.) Delile) de la baie de Calvi-Corse. Progr. Rép. Stn. Océanogr. Stareso, Univ. Liège, Belg., 18 : 6 p non num. + 1-251

Size and accuracy

Copyright

Other

Map



Sheet Map FR.CALV.002

Reference

PERGENT G., LEONARDINI R., MIMAUULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 – 141

Location

France, Corsica, West coast, Calvi bay

GPS Coordinates : N 42°33'46.47"
E 8°47'33.79"



Date of achievement

June 2006

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

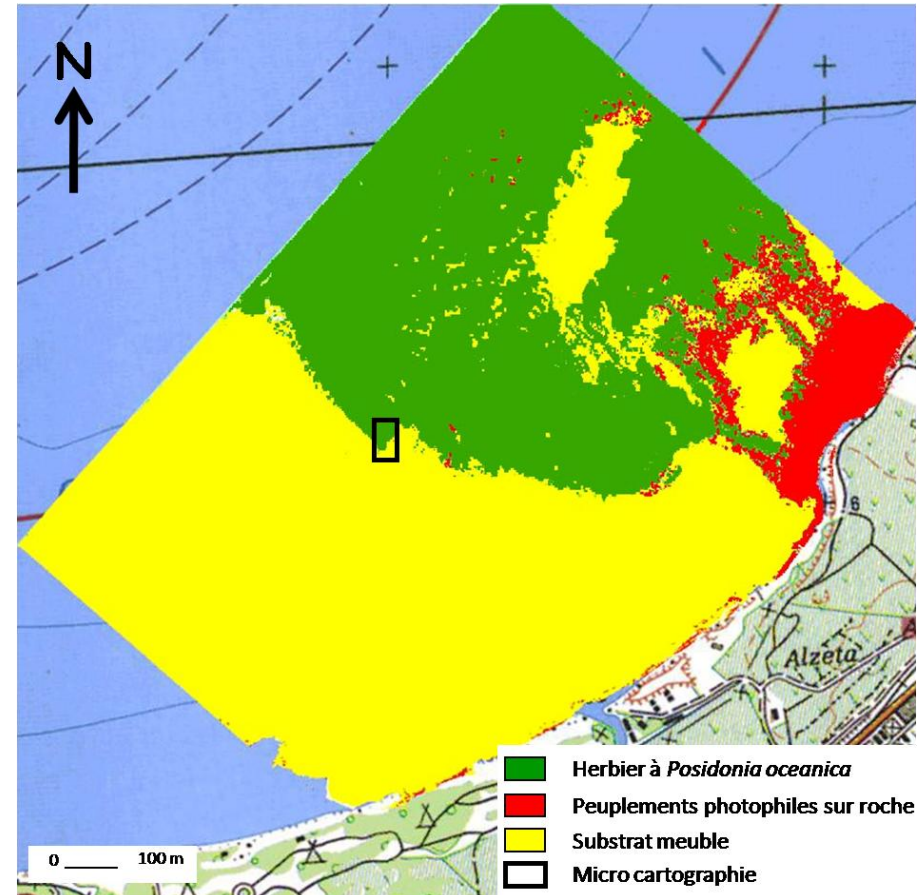
Size and accuracy

Coloured Aerial photography, scale 1/5 000 dated from May 2006
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.CAMP.001

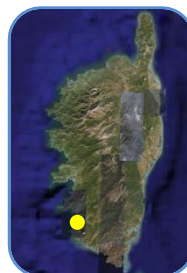
Reference

PERGENT G., CLABAUT P., MIMAUULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133

Location

France, Corsica, West Coast, Valinco gulf, Campomoro bay

GPS Coordinates : N 41°37'56.43"
E 8°49'2.09"



Date of achievement

July 2005

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

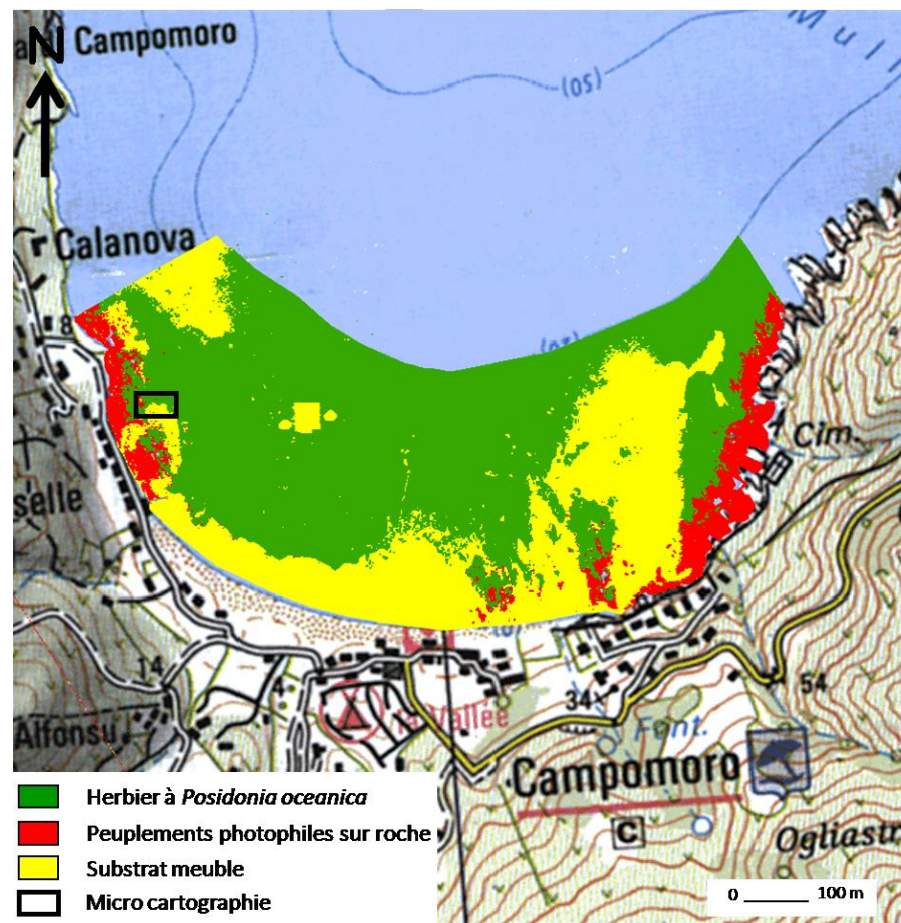
Size and accuracy

Coloured Aerial photography, scale 1/5 000 dated from May 2005
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.CASS.001

Reference

CHARBONNEL E., BOUDOURESQUE C.F., MEINESZ A., CADIOU G., BONHOMME P., BERNARD G., COTTALORDA J.M., PATRONE J., KRUCZEK R., BERTRANDY M.C., FORET P., BRICOUT P., MARRO C., LE DIREAC'H L., 2003. Le Réseau de Surveillance Posidonies de la Région Provence-Alpes-Côte d'Azur : résultats de suivi 2002. Région PACA / Agence de l'Eau RMC / GIS Posidonie / SM 13 / DDE 83 / Conseil Général 06. GIS Posidonie publ., Marseille, Fr. : 1-176

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Cassis, Cap Canaille

GPS Coordinates : N 43°12'1.78"
E 5°32'46.52"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Aerial photography dated from 1996

Copyright

Other

Map

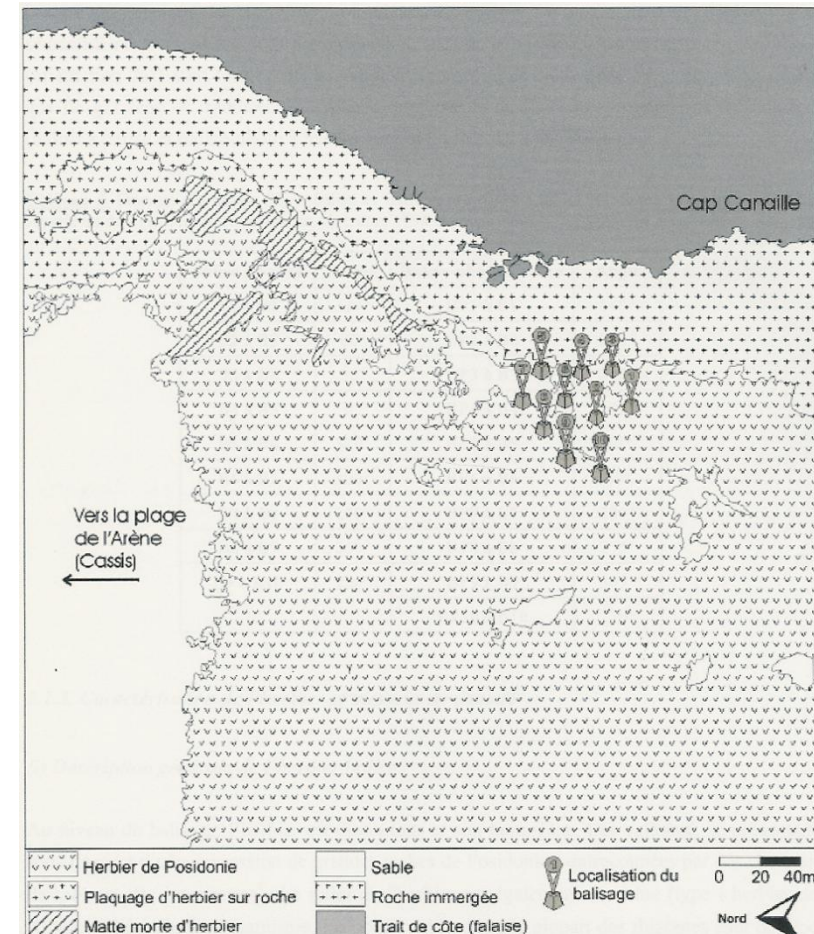


Figure 6. Cartographie de l'herbier de Posidonie et des principaux types de fonds du site de Cassis (carte établie à partir des photographies aériennes d'Aérial de 1996). Le balisage, mis en place en décembre 1994 le long d'une portion de cette limite, est également localisé.

Sheet Map FR.CAVA.001

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corse, extreme South, Cavallo island, Greco cove

GPS Coordinates : N 41°22'20.10"
E 9°15'43.14"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

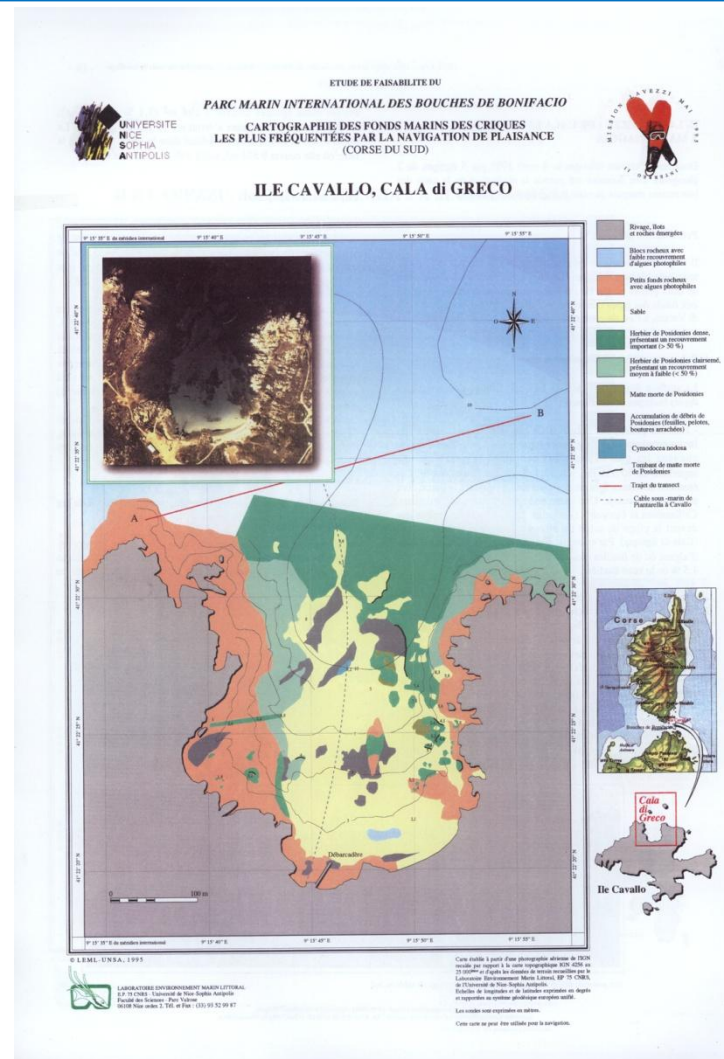
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.CAVA.002

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, extreme South, Cavallo island, Zerri cove

GPS Coordinates : N 41°22'11.50"
E 9°16'10.15"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

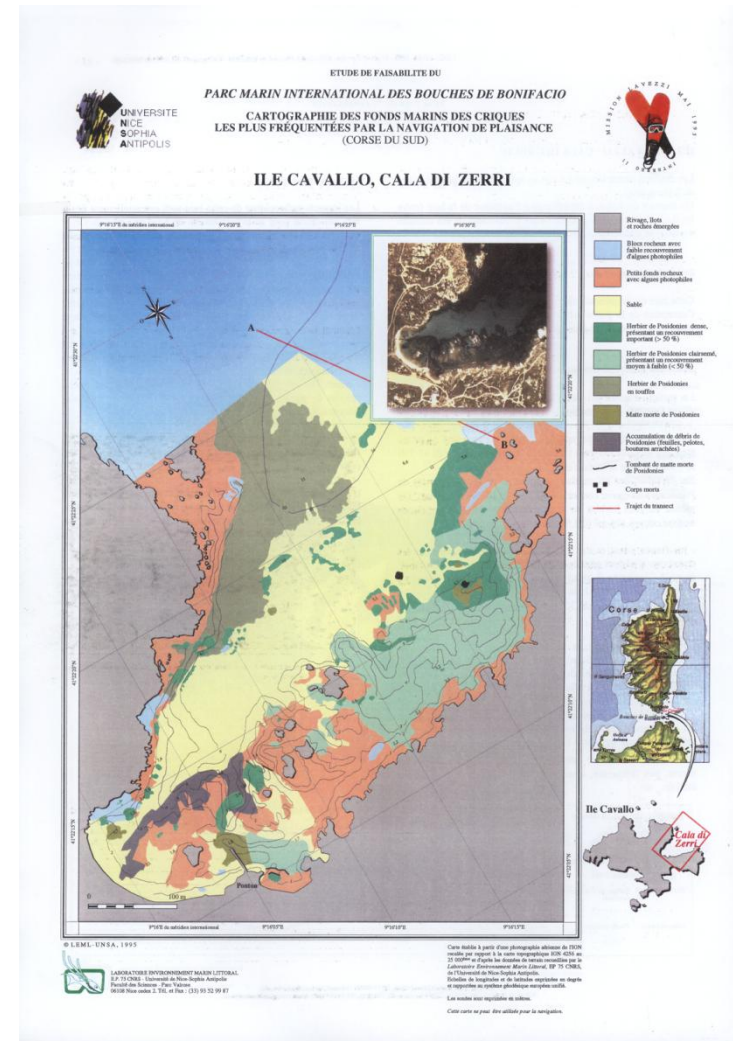
Size and accuracy

Aerial photography from July 1990

Copyright

Other

Map



Sheet Map FR.CAVA.003

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, extreme South, Cavallo Island, de Palma Cove
GPS Coordinates : N 41°21'54.43"
E 9°16'8.63"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

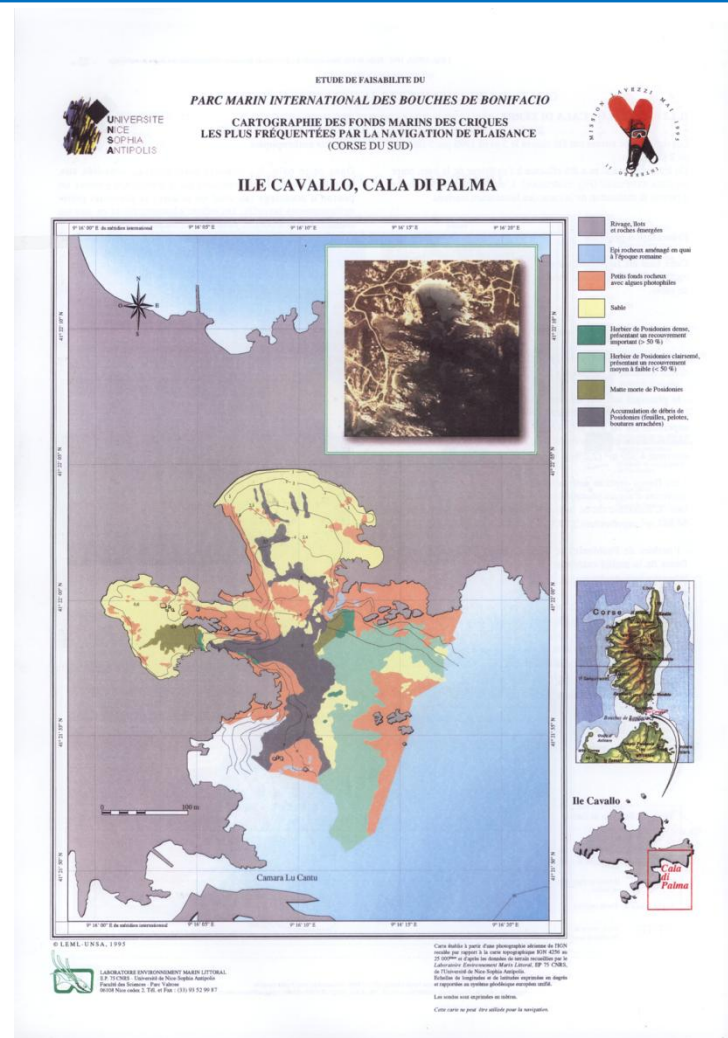
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.CAVA.004

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corse, extreme South, Cavallo island, i Marini di Cavallo

GPS Coordinates : N 41°21'53.17"
E 9°15'36.99"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

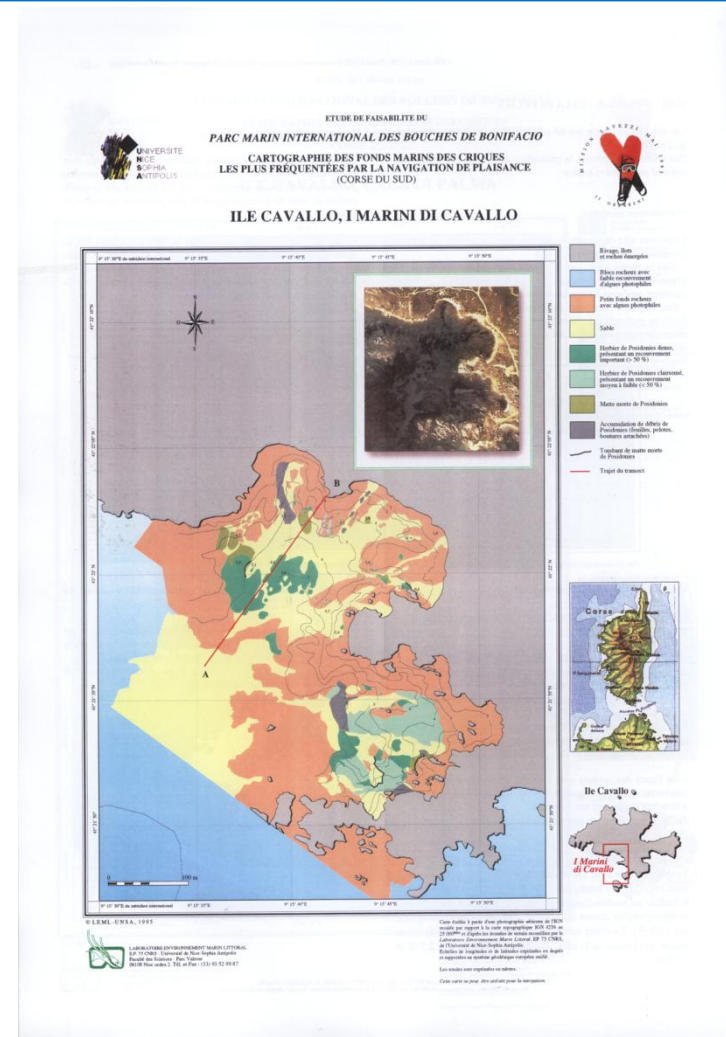
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.CAVA.005

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corse, extreme South, Cavallo island, Ghjuncu cove

GPS Coordinates : N 41°21'57.60"
E 9°15'17.56"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

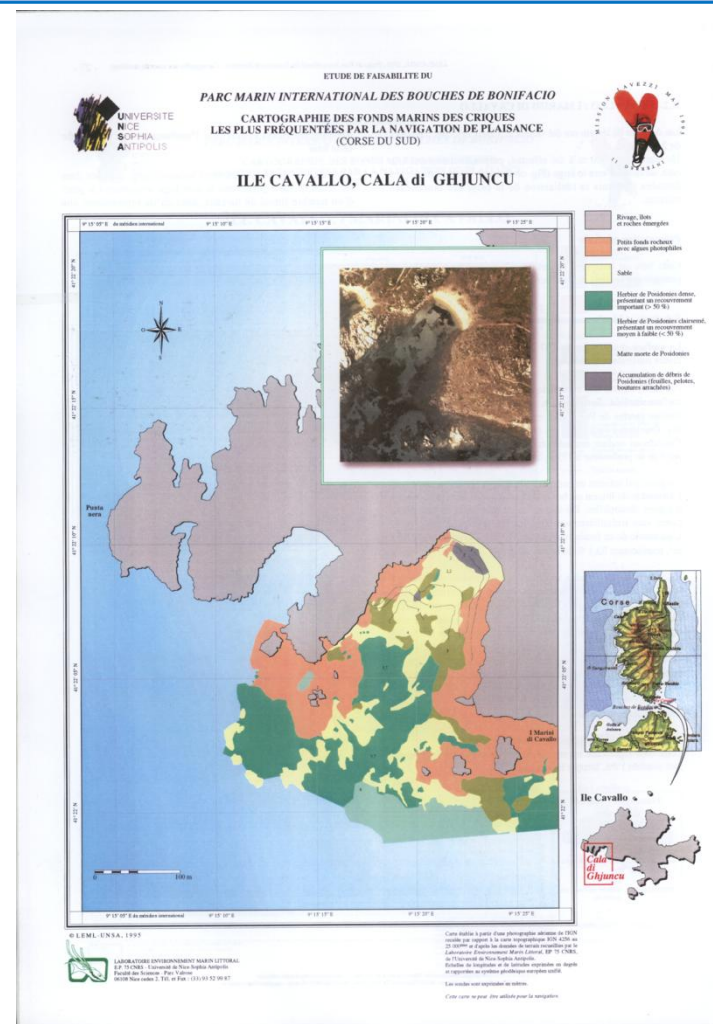
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.CENT.001

Reference

PERGENT G., LEONARDINI R., MIMAULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 – 141

Location

France, Corsica, West coast of Cap Corse, South Centuri port

GPS Coordinates : N 42°56'48.44"
E 9°21'15.76"



Date of achievement

May 2006

Methods

Photo interpretation from aerial photography.
Data field (scuba diving and observations from the surface through a bucket of Calfat)

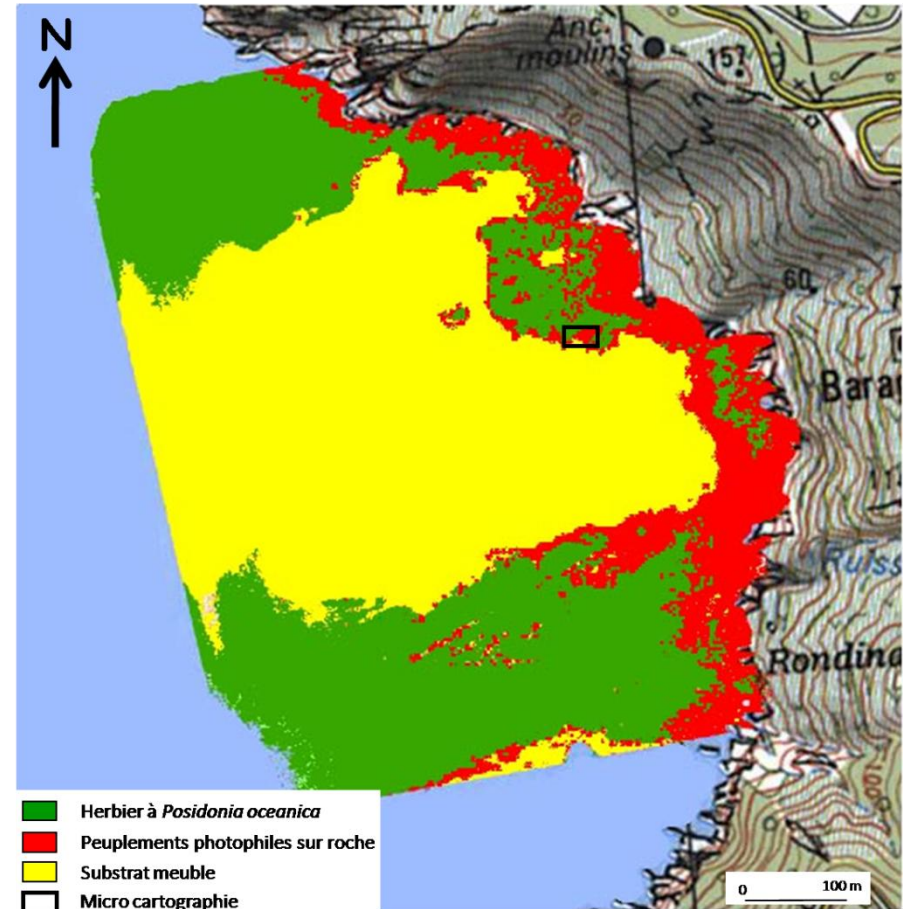
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated of May 2006
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.CERB.001

Reference

VAUGELAS DE J., MEINESZ A., CULIOLI J.M., 1998. Premiers éléments sur les peuplements sous-marins des îles Cerbicale (Corse du Sud). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 11-41

Location

France, Corsica, East coast, Porto-Vecchio region, Cerbicale island

GPS Coordinates : N 41°34'31.92"
E 9°21'19.90"



Date of achievement

from July to september 1991

Methods

Photo interpretation from aerial photography
Data-field (scuba diving)

Size and accuracy

Coloured aerial photography, scale 1/25 000 dated from 1990

Copyright

Other





Map

Figure 4 a

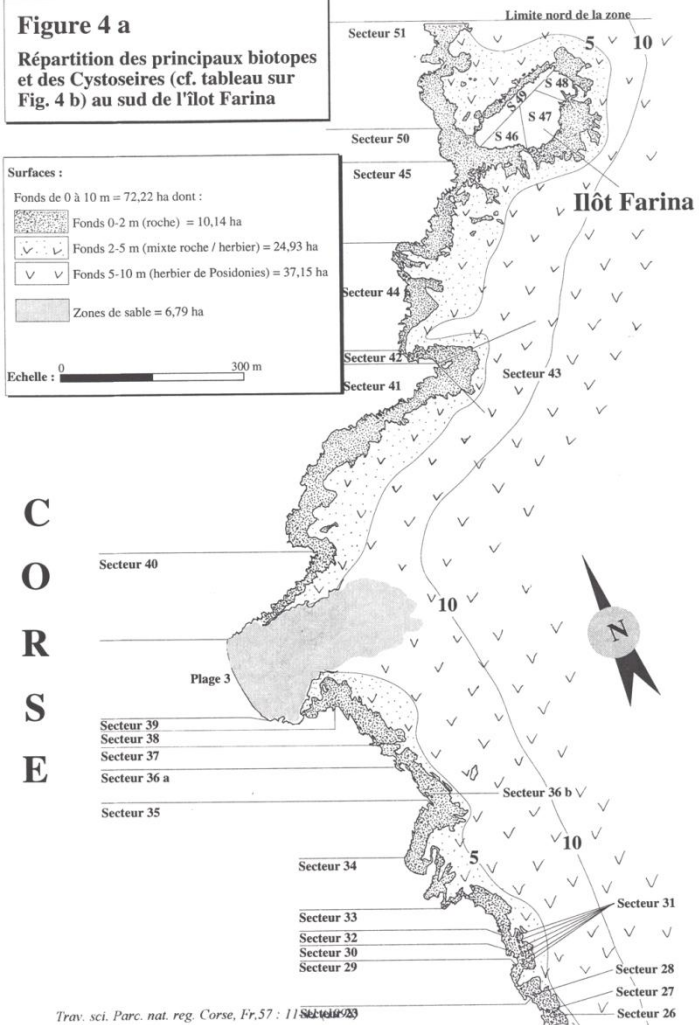
Répartition des principaux biotopes et des Cystoseires (cf. tableau sur Fig. 4 b) au sud de l'îlot Farina

Surfaces :

Fonds de 0 à 10 m = 72,22 ha dont :

-  Fonds 0-2 m (roche) = 10,14 ha
-  Fonds 2-5 m (mixte roche / herbier) = 24,93 ha
-  Fonds 5-10 m (herbier de Posidonies) = 37,15 ha
-  Zones de sable = 6,79 ha

Echelle : 0 300 m



Sheet Map FR.CERB.002

Reference

VAUGELAS DE J., MEINESZ A., CULIOLI J.M., 1998. Premiers éléments sur les peuplements sous-marins des îles Cerbicale (Corse du Sud). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 11-41

Location

France, Corsica, East coast, Porto-Vecchio region, Cerbicale island

GPS Coordinates : N 41°33'51.27"
E 9°21'0.42"



Date of achievement

From July to september 1991

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and apnea)

Size and accuracy

Coloured aerial photography, scale 1/25 000 of 1990

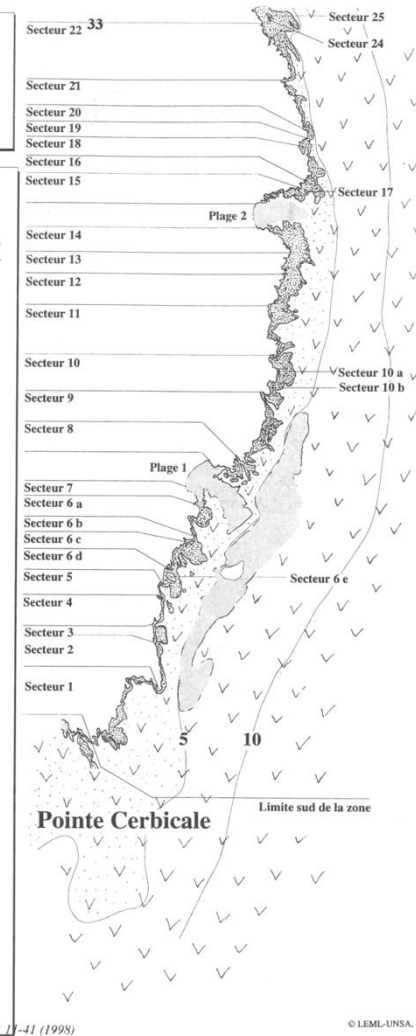
Copyright

Other

Map

Figure 4 b
(suite sud de la Fig. 4 a)
Répartition des principaux biotopes et des Cystoseires au nord de la Pointe Cerbicale

Secteur	CYSTOSEIRES		%	AUTRES ESPECES ou ELEMENTS REMARQUABLES
	Recouvrement exprimé en % par rapport au linéaire du rivage mesuré à pied	Linéaire Cystoseires (m)		
1	?	0	0	
2	115	30	26	
3	80	0	0	
4	70	0	0	
5	100	0	0	
6.a	240	40	17	
6.b	135	0	0	
6.c	40	0	0	
6.d	?	0	0	
6.e	65	30	50	
7	155	15	10	
Plage 1				
8	120	15	13	
9	190	20	10	
10	160	5	3	
10.a	25	15	60	
10.b	20	15	75	
11	100	5	5	
12	125	5	4	
13	110	5	5	
14	110	0	0	
Plage 2				
15	100	0	0	
16	40	0	0	
17	23	8	34	<i>Pateia ferruginea</i>
18	100	15	15	
19	50	0	0	
20	25	10	66	
21	135	25	19	
22	195	50	25	goudron
23	95	0	0	
24	25	0	0	
25	10	0	0	
26	30	20	66	
27	15	10	66	
28	10	0	0	
29	125	0	0	
30	30	0	0	goudron
31	40	20	50	
32	50	0	0	
33	135	15	11	
34	?	0	0	
35	187	0	0	
36.a	170	0	0	
36.b	35	15	42	
37	110	0	0	
38	280	20	7	
39	?	0	0	
Plage 3				
40	?	?	?	
41	825	0	0	
42	168	10	17	
43	90	40	44	
44	430	0	0	
45	340	30	8	
46	250	5	2	
47	160	150	93	
48	80	10	12	
49	315	0	0	
50	450	0	0	
51	1400	0	0	



Sheet Map FR.CERB.003

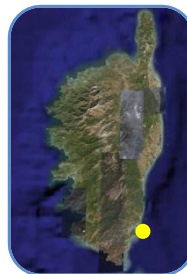
Reference

VAUGELAS DE J., MEINESZ A., CULIOLI J.M., 1998. Premiers éléments sur les peuplements sous-marins des îles Cerbicale (Corse du Sud). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 11-41

Location

France, Corsica, East coast, Porto-Vecchio region, Cerbicale island

GPS Coordinates : N 41°33'22.37"
E 9°22'2.44"



Date of achievement

From July to September 1991

Methods

Photo interpretation from aerial photography
Data-field (scuba diving or apnea)

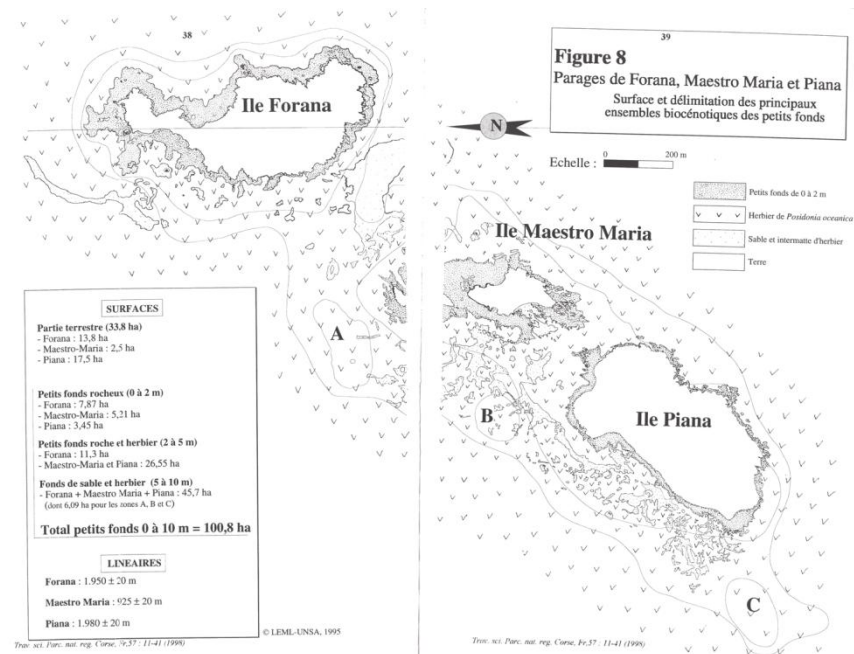
Size and accuracy

Coloured aerial photography, scale 1/25 000 of 1990

Copyright

Other

Map



Sheet Map FR.CERB.004

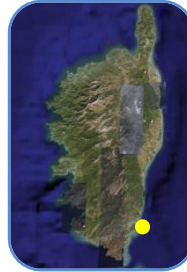
Reference

VELA A., PERGENT-MARTINI C., PASQUALINI V., LEONI V., PERGENT G., 2001. Parc Marin International des Bouches de Bonifacio, Etat de référence des herbiers à *Posidonia oceanica*, Contrat GIS Posidonie & O.E.C. : 1-35

Location

France, Corsica, East coast, Porto-Vecchio region, Cerbicale island

GPS Coordinates : N 41°33'29.87"
E 9°21'13.98"



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

Bibliographic synthesis from the documents :

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

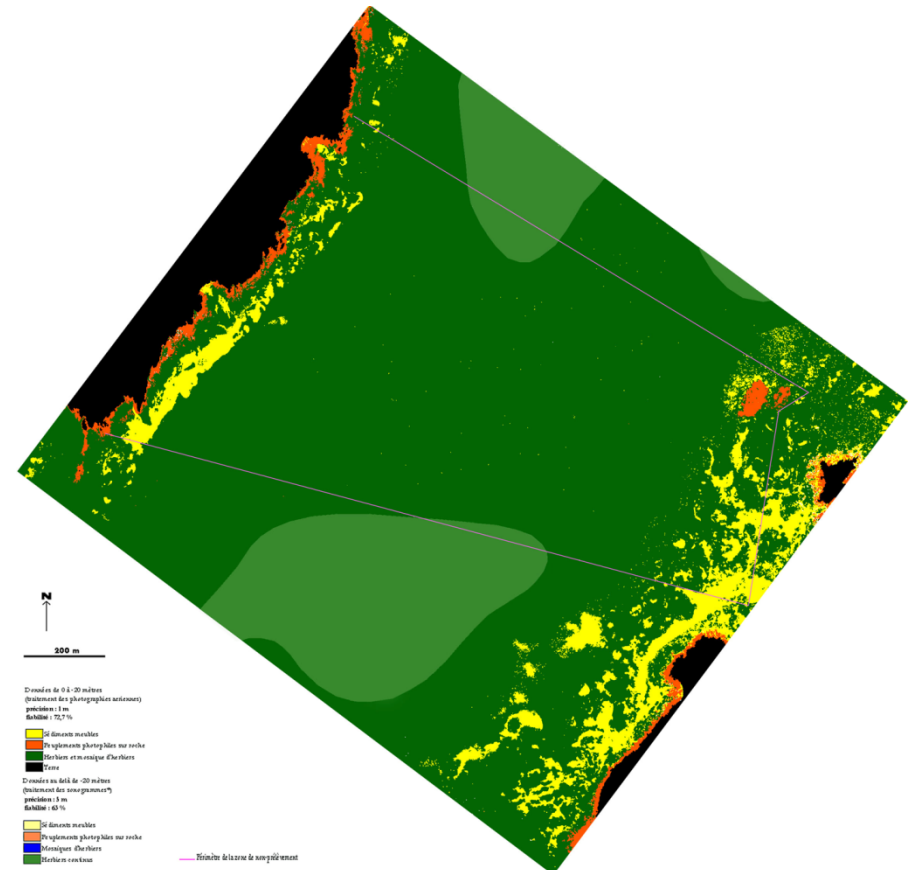
Size and accuracy

Coloured aerial photography, scale 1/12 000 dated from 2001
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.CIAP.001

Reference

PERGENT G., PERGENT-MARTINI C., MIMAUULT B., PASQUALINI V., 2002. Impacts et tracés potentiels d'un câble d'alimentation électrique entre la Corse et la Sardaigne : Expertise biologique. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-31 + annexes

Location

France, Corsica, extreme South, Ciappili cove

GPS Coordinates : N 41°21'56.31"
E 9°12'19.77"



Date of achievement

August 2002

Methods

Photo interpretation from aerial photography

Data field (scuba diving and observations from the surface through a bucket of Calfat)

Bibliographic synthesis from the documents :

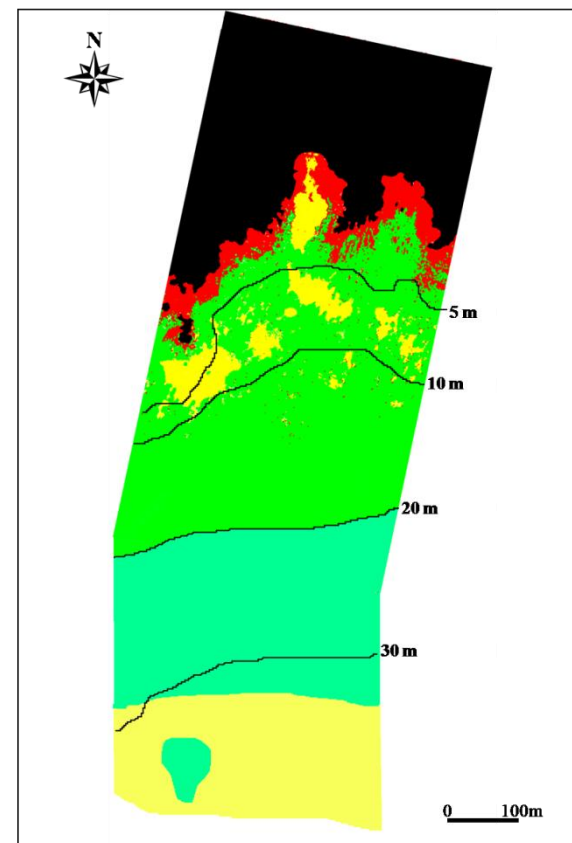
PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

Size and accuracy




Copyright

Other

Map



Légende

- | | | | |
|---|-------|---|-----------------------------------|
|  | Terre |  | Peuplements photophiles sur roche |
|  | Sable |  | Herbier de Posidonies superficiel |
| | |  | Herbier de Posidonies profond |

Sheet Map FR.CIOT.001

Reference

NIERI M., 1991. Contribution à la surveillance et à la cartographie biocénotique des fonds littoraux des Bouches-du-Rhône et du Var (Méditerranée-France). Thèse doctorat Ecologie, Université Aix-Marseille II, Fr. : 1-158 + annexes

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, baie de La Ciotat

GPS Coordinates : N 43°10'59.88"
E 5°37'16.73"



Date of achievement

Methods

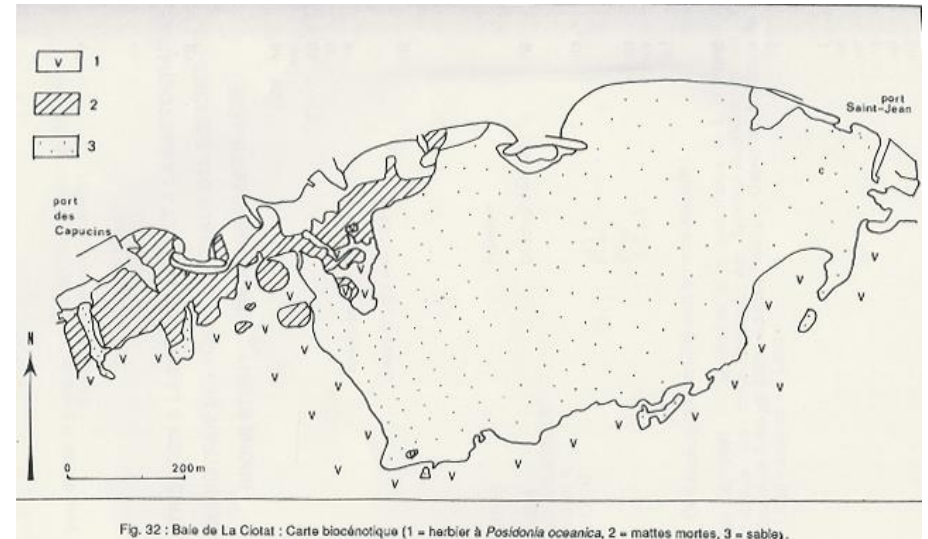
Photo interpretation from aerial photography
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map FR.CIOT.002

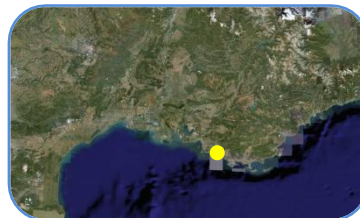
Reference

CHARBONNEL E., BOUDOURESQUE C.F., MEINESZ A., CADIOU G., BONHOMME P., BERNARD G., COTTALORDA J.M., PATRONE J., KRUCZEK R., BERTRANDY M.C., FORET P., BRICOUT P., MARRO C., LE DIREAC'H L., 2003. Le Réseau de Surveillance Posidonies de la Région Provence-Alpes-Côte d'Azur : résultats de suivi 2002. Région PACA / Agence de l'Eau RMC / GIS Posidonie / SM 13 / DDE 83 / Conseil Général 06. GIS Posidonie publ., Marseille, Fr. : 1-176

Location

France, Provence-Alpes-Côte d'Azur, Bouches du-Rhône, baie de La Ciotat

GPS Coordinates : N 43°10'53.86"
E 5°37'4.10"



Date of achievement

1999

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Aerial photography dated from June 1999

Copyright

Other

Map

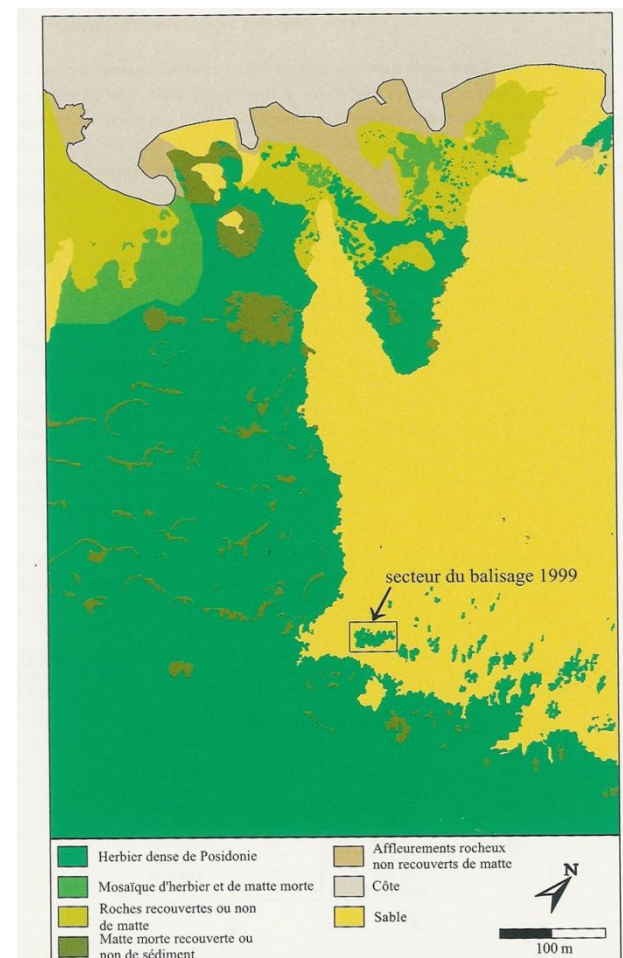


Figure 8. Cartographie de la limite supérieure de l'herbier de Posidonie dans la baie de La Ciotat en 1999 (campagne de photographie aérienne Aériel du 24 juin 1999). La localisation du nouveau balisage mis en place en 1999 et suivi en 2002 est indiquée (in Charbonnel *et al.*, 2000).

Sheet Map FR.CIPR.001

Reference

BELSHER T., MEINESZ A., LEFEVRE J.R., BOUDOURESQUE C.F., 1988.
Simulation of Spot satellite imagery for charting shallow water benthic communities
in the Méditerrananean. Marine Ecology, Germ., 9(2) : 157-165

Location

France, Corse, East coast, North of Porto-Vecchio, San
Ciprianu bay

GPS Coordinates : N 41°38'6.75"
E 9°21'16.13"



Date of achievement

Methods

Photo interpretation from aerial photography and satellite image
Data-field

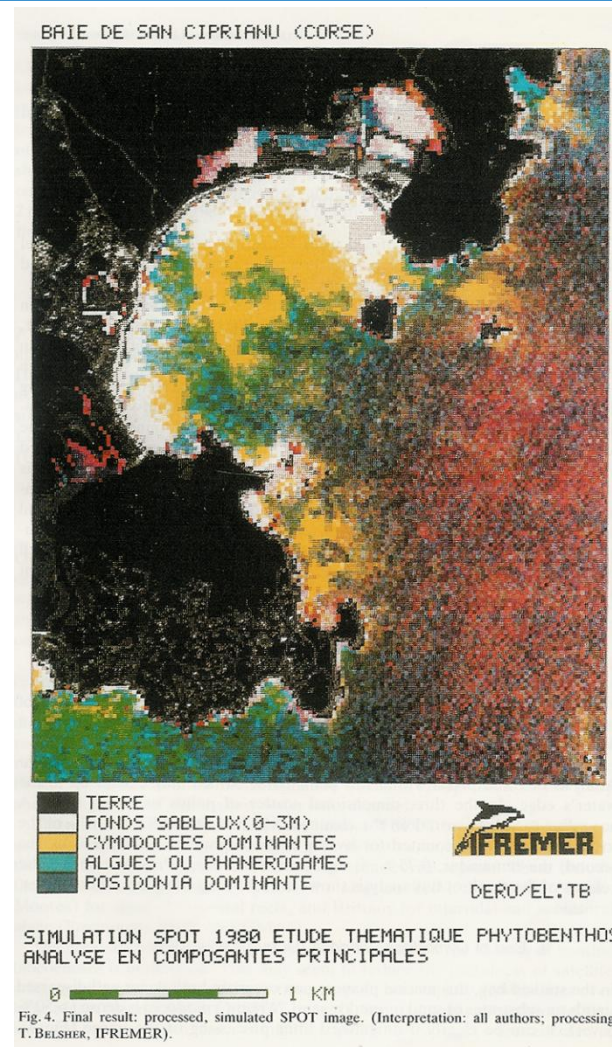
Size and accuracy

Satellite Image SPOT
Black and white Aerial photography

Copyright

Other

Map



Sheet Map FR.CMPO.001

Reference

PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-108

Location

France, Corsica, East coast, north of port de Campoloro

GPS Coordinates : N 42°20'48.23"
E 9°32'25.77"



Date of achievement

May 2004

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

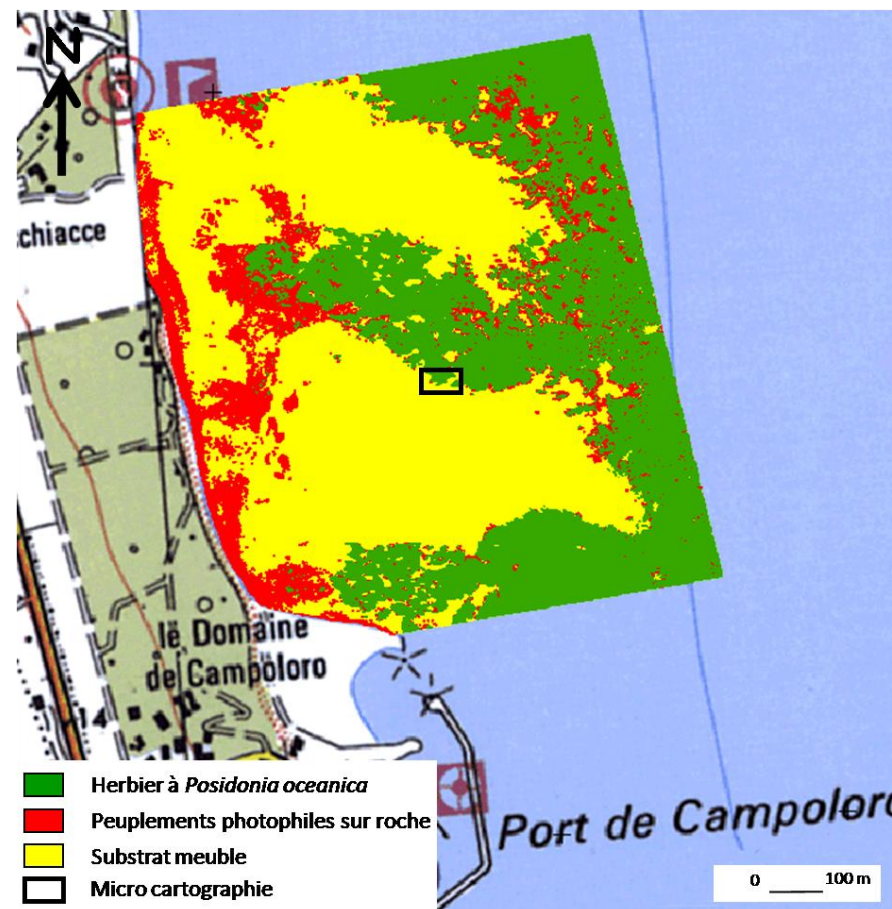
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2004
Photography scan with a pixel of 1 m

Copyright

Other

Map



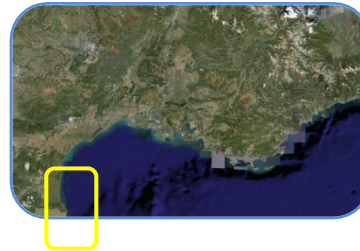
Sheet Map FR.CONT.001

Reference

AGENCE DES AIRES MARINES PROTEGEES (document en cours de réalisation)

Location

France, région Languedoc-Roussillon, départements des Pyrénées-Orientales et de l'Aude



Date of achievement

Methods

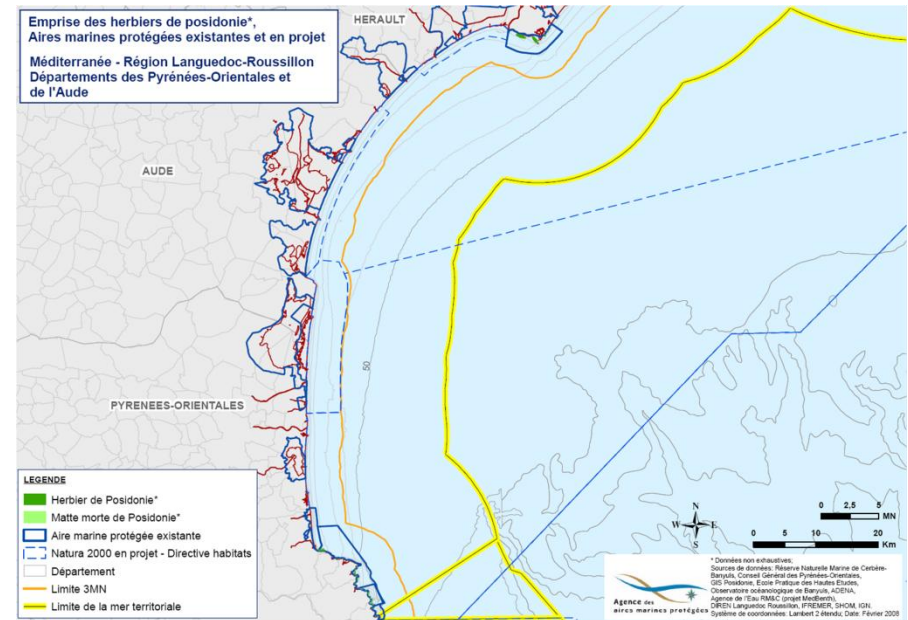
Bibliographic Synthesis

Size and accuracy

Copyright

Other

Carte



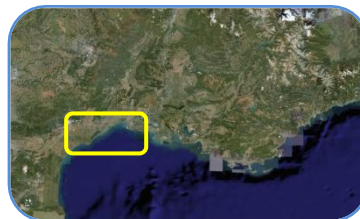
Sheet Map FR.CONT.002

Reference

AGENCE DES AIRES MARINES PROTEGEES (document en cours de réalisation)

Location

France, Languedoc-Roussillon region, Hérault
departement



Date of achievement

Methods

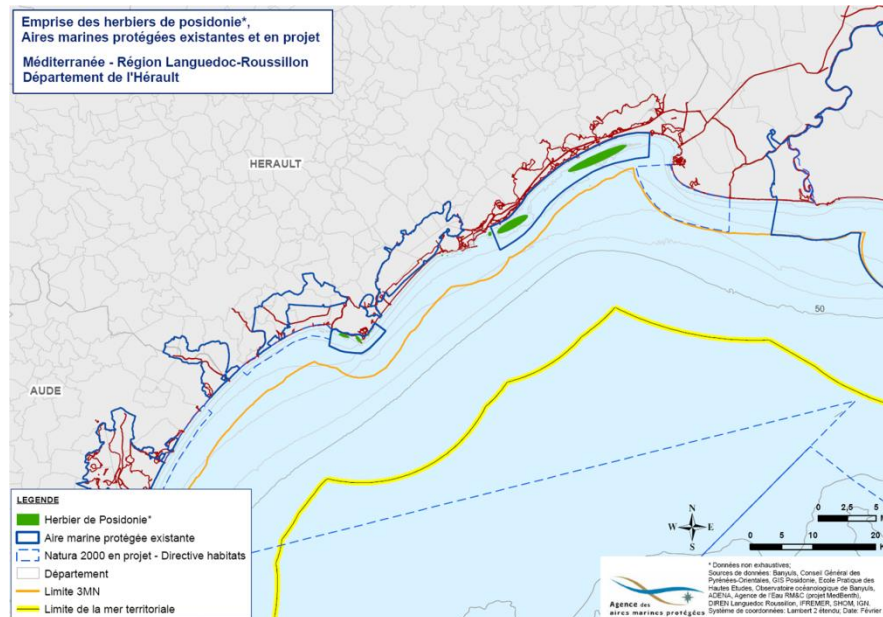
Bibliographic Synthesis

Size and accuracy

Copyright

Other

Map



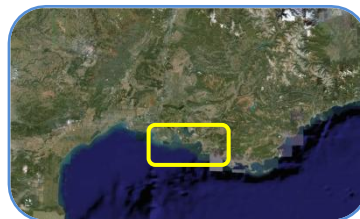
Sheet Map FR.CONT.003

Reference

AGENCE DES AIRES MARINES PROTEGEES (document en cours de réalisation)

Location

France, région Provence-Alpes-Côte d'Azur,
département des Bouches-du-Rhône



Date of achievement

Methods

Bibliographic synthesis from the documents :

BERNARD G., DENIS J. CADIOU G., EMERY E., ANDRAL B., BONHOMME P., TOMASINO C., CLABAUT P., 2004. Etude du patrimoine marin environnant les domaines départementaux de l'île Verte et du Mugel. Phase I, Synthèse des connaissances existantes. Contrat Conseil Général 13, GIS Posidonie & IFREMER, GIS Posidonie publ., Marseille Fr. : 1-131 ;

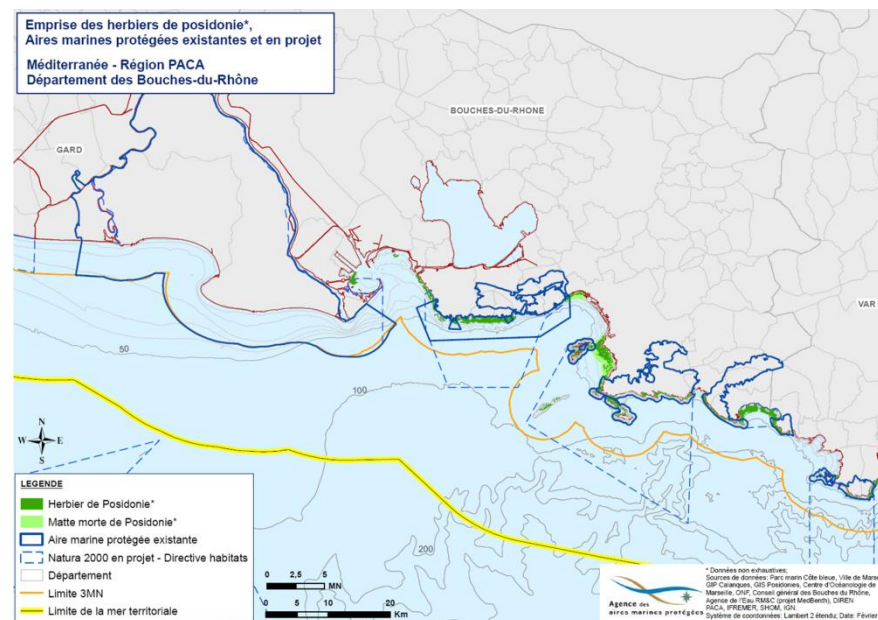
CADIOU G., BONHOMME P., BOUDOURESQUE C.F., BELLAN G., BOURCIER M., EMERY E., 2006. Etude et cartographie des biocénoses de la partie maritime du sous-site Natura 2000 "Cap Canaille-Grand Caunet". Phase III rapport final. Contrat Office National des Forêts 13/84, GIS Posidonie/IFREMER/COM, GIS Posidonie publ., Marseille Fr. 1-82 + annexes ;
et autres

Size and accuracy

Copyright

Other

Map



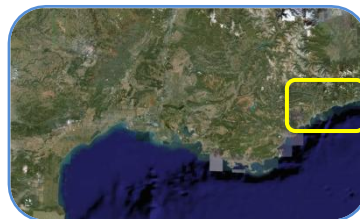
Sheet Map FR.CONT.005

Reference

AGENCE DES AIRES MARINES PROTEGEES (document en cours de réalisation)

Location

France, Provence-Alpes-Côte d'Azur region,
département des Alpes Maritimes



Date of achievement

Methods

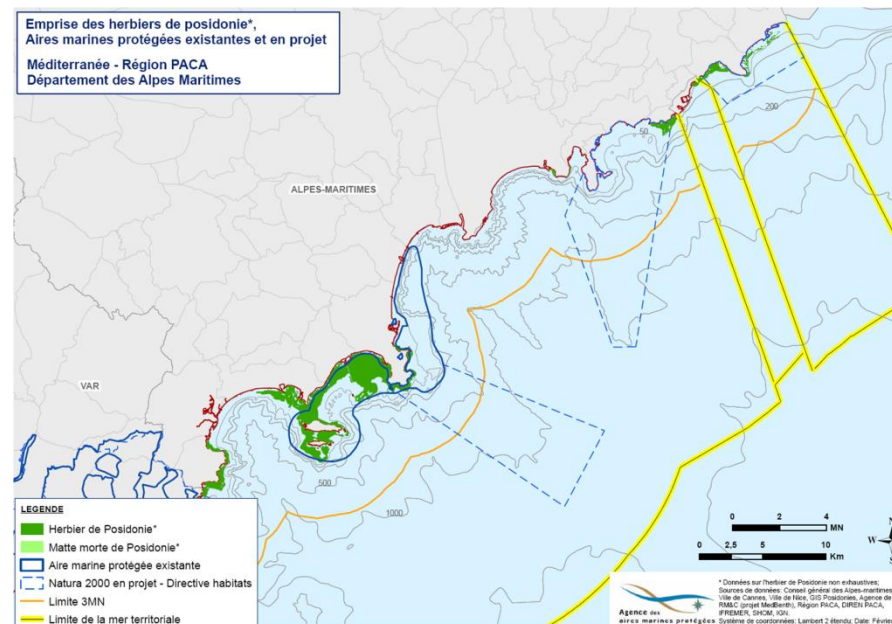
Bibliographic synthesis

Size and accuracy

Copyright

Other

Map



Sheet Map FR.CORS.001

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, Cap Corse, from Saint Florent to Bastia



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

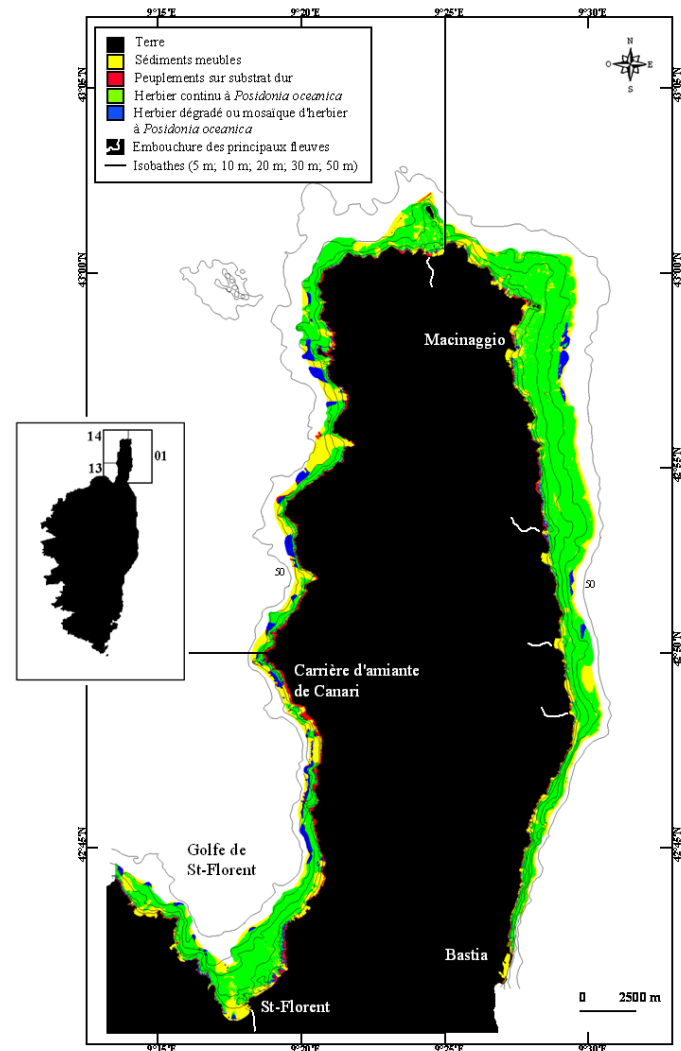
Size and accuracy

Coloured Aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.002

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, East coast, from Bastia to Campoloro



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

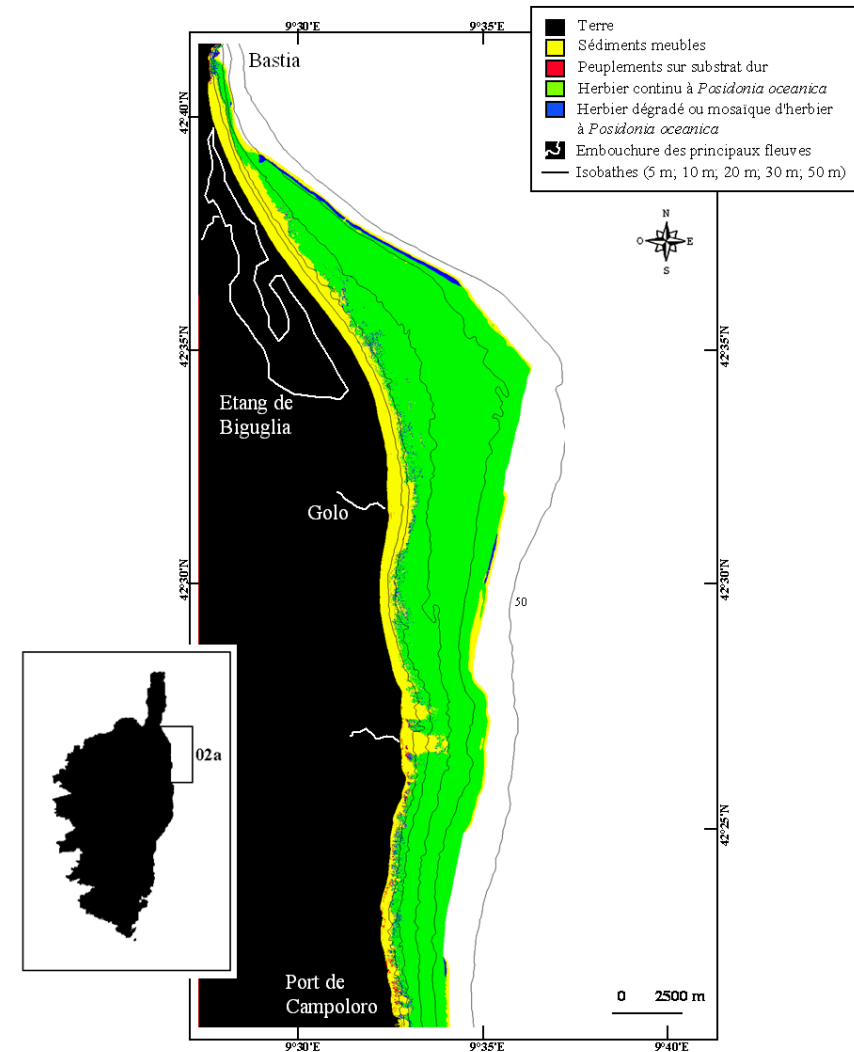
Size and accuracy

Coloured aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.003

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, East coast, from Campoloro to Solenzara



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

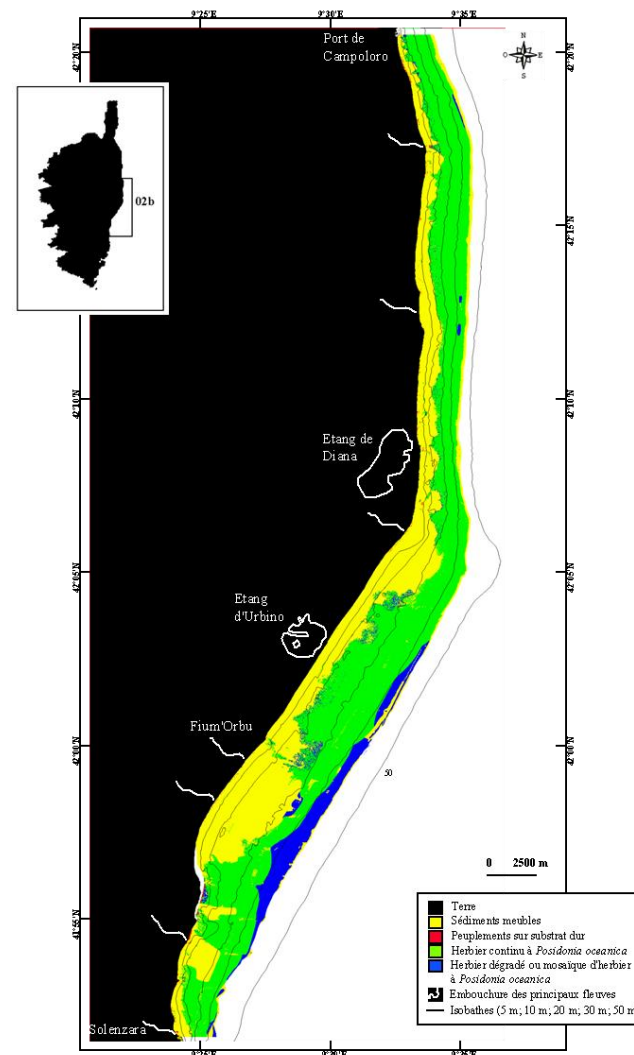
Size and accuracy

Coloured aerial photography, scale 1/20 000, dated from 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.004

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, East coast, from Solenzara to Porto-Vecchio



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

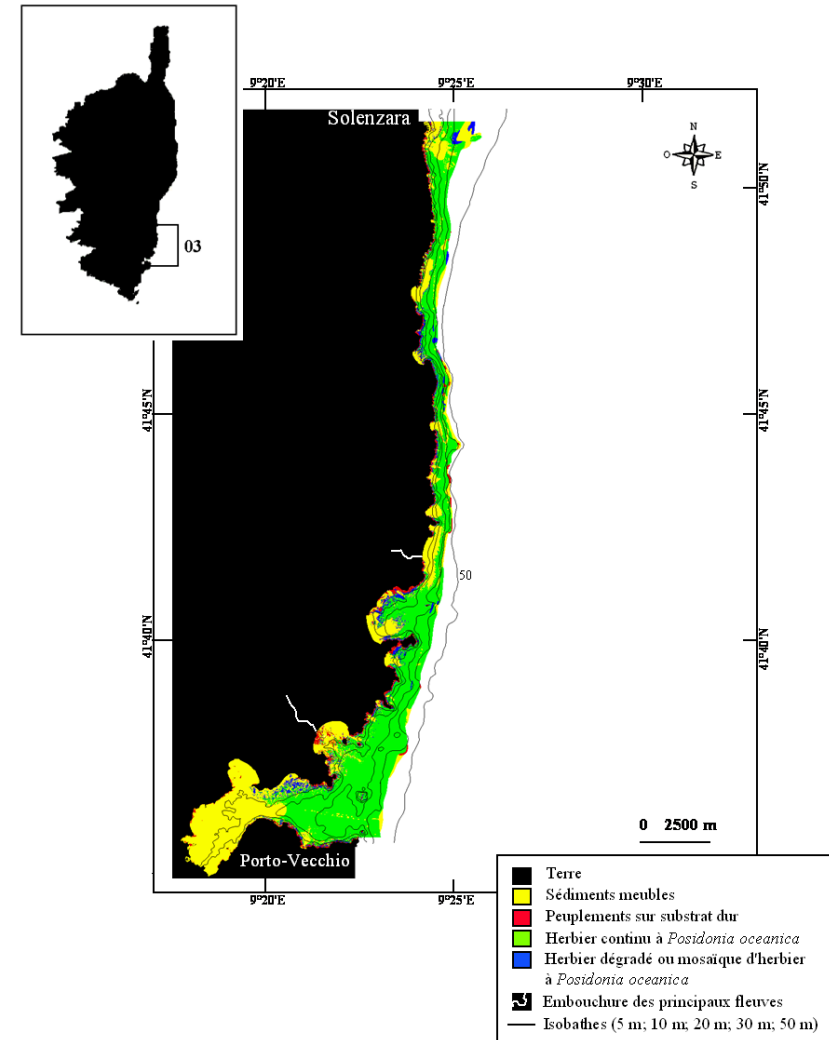
Size and accuracy

Coloured aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.005

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, pointe Sud, From Porto-Vecchio to Senetosia



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

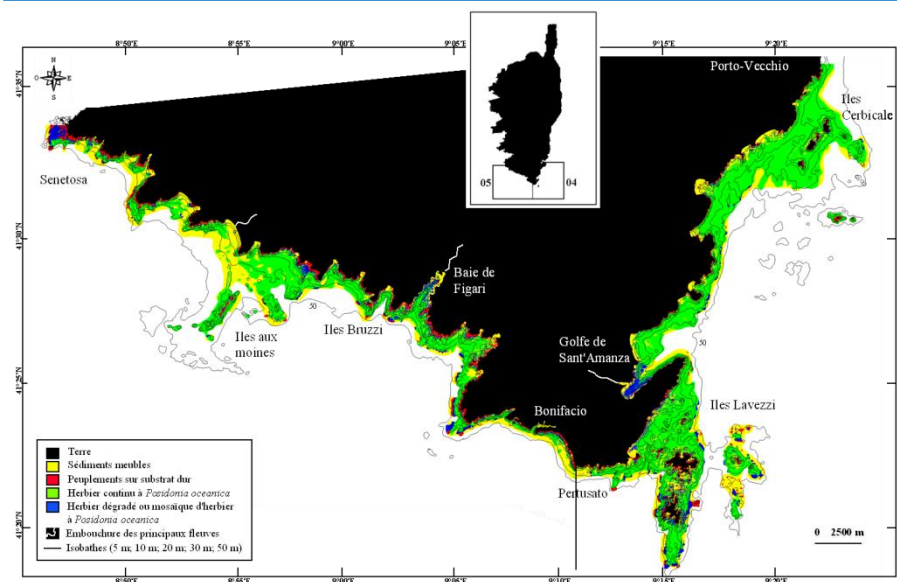
Size and accuracy

Coloured aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.006

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, West coast, from Senetosia to îles Sanguinaires island



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

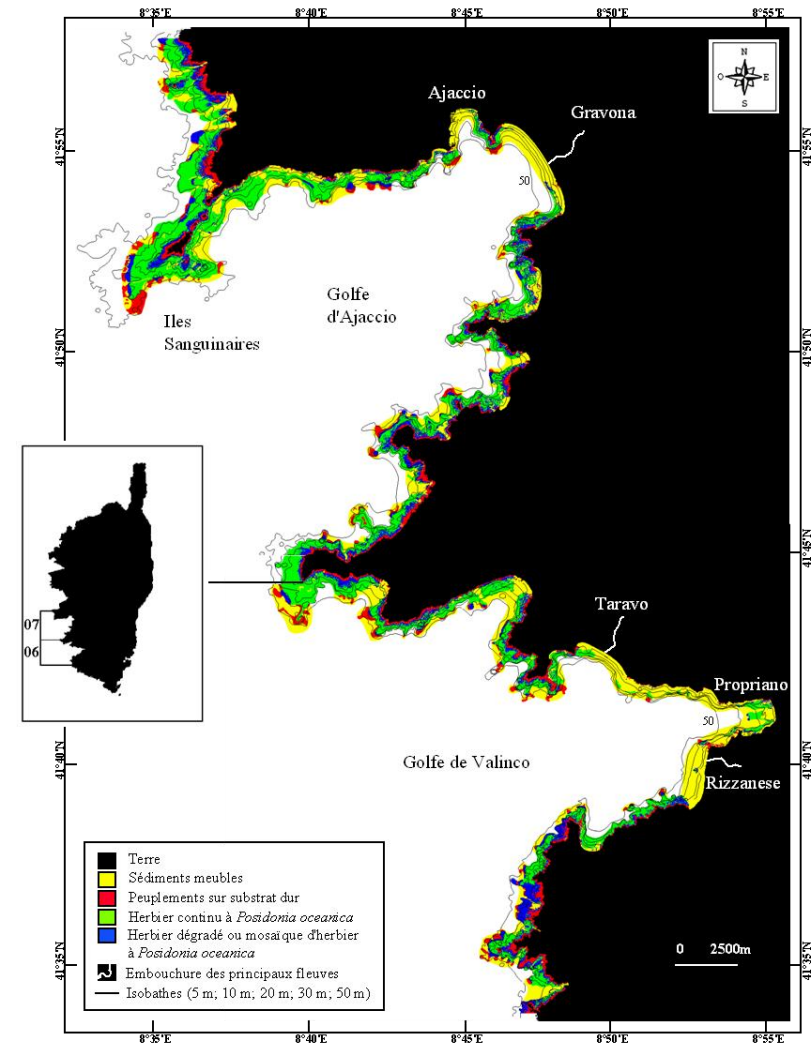
Size and accuracy

Coloured aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.007

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, West coast, from Sanguinaires island to Capu Rossu



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

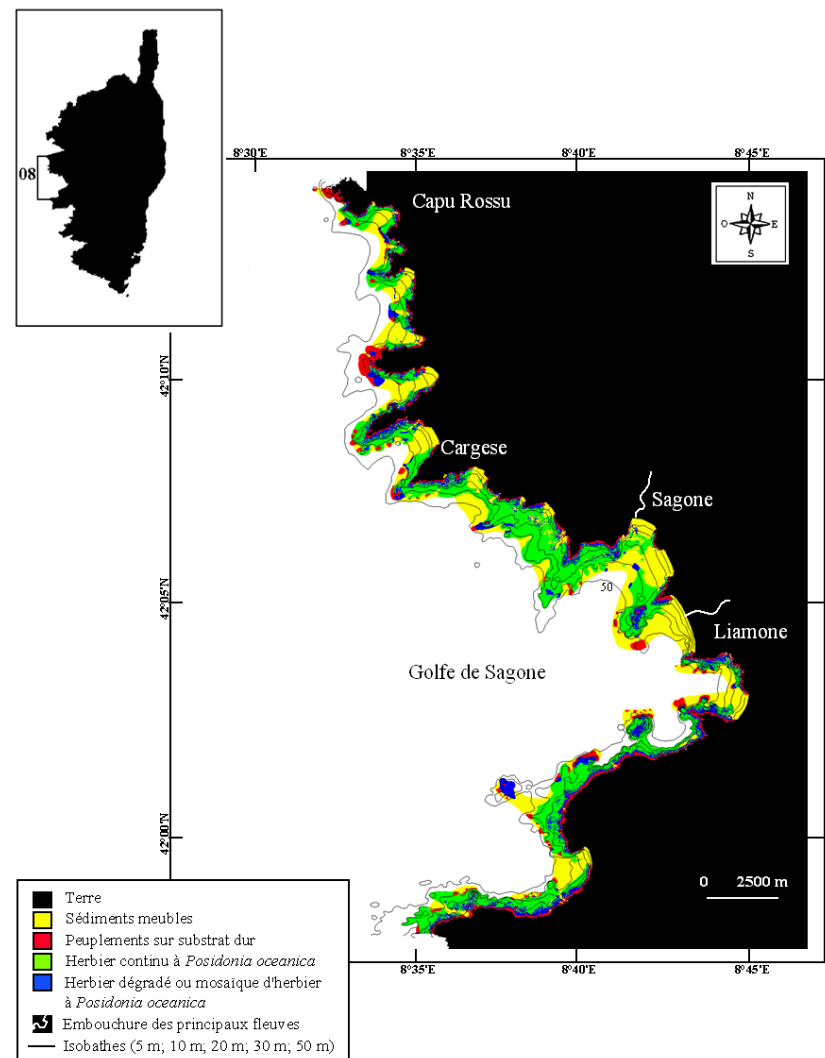
Size and accuracy

Coloured aerial photography, scale 1/20 000 from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.008

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, West coast, from Capu Rossu to la pointe de La Revellata



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

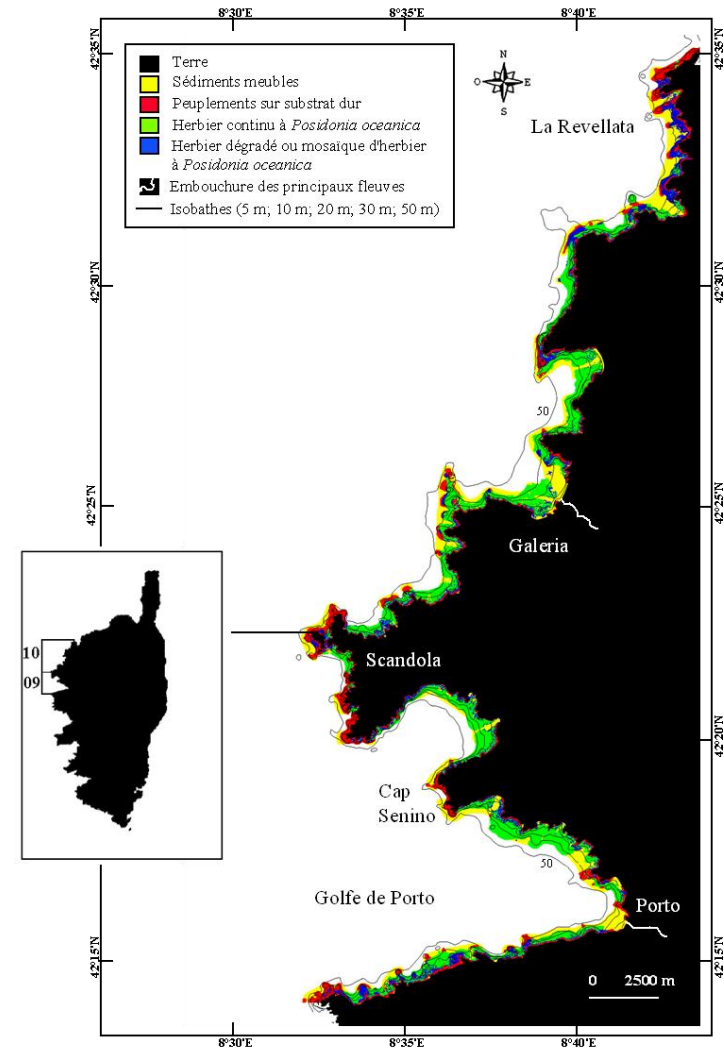
Size and accuracy

Coloured aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORS.009

Reference

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165

Location

France, Corsica, West coast, from la pointe de La Revellata to Saint Florent



Date of achievement

From 1994 to 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral balayage Sonar

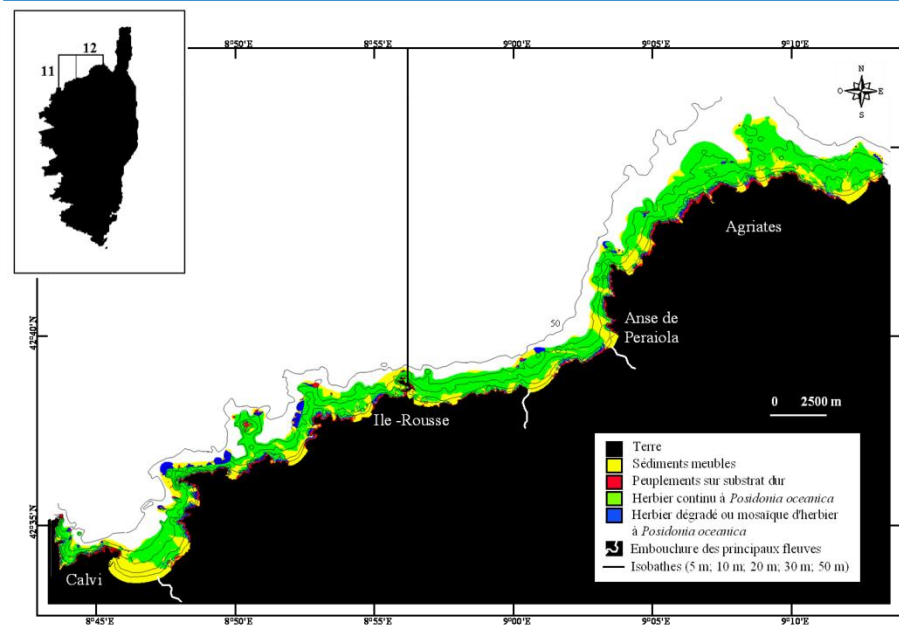
Size and accuracy

Coloured aerial photography, scale 1/20 000 dated from June 1994
Photography scan with a pixel of 5 m

Copyright

Other

Map



Sheet Map FR.CORT.001

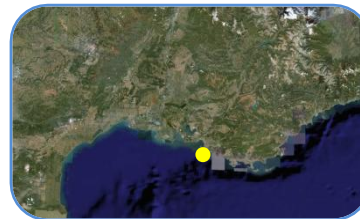
Reference

PERGENT-MARTINI C., PERGENT G., 1990. Suivi de l'évolution de l'herbier à *Posidonia oceanica* après la mise en service de la station d'épuration de Marseille. Contrat Ville de Marseille/Université Aix-Marseille II N° 9261, LBMEB & GIS Posidonie Edit., Fr. : 1-58

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, secteur de Cortiou

GPS Coordinates : N 43°11'42.14"
E 5°21'48.30"



Date of achievement

1990

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)
Bibliographic synthesis from the document : PERGENT G., PERGENT C., 1988. Localisation et état de l'herbier de Posidonies sur le littoral PACA : Bouches-du-Rhône. DRAE-PACA et GIS Posidonie édit., Marseille, Fr. : 1-53

Size and accuracy

Aerial photography dated from February 1989
Surface ≈ 20 km²

Copyright

Other

Map

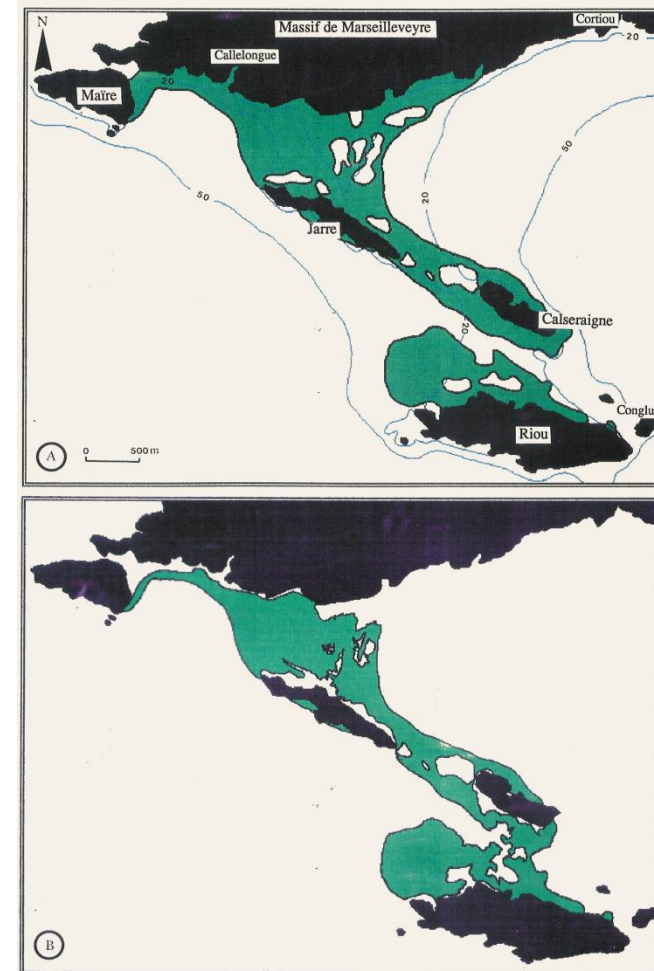


Figure 31 : Carte de localisation de l'herbier à *Posidonia oceanica* entre le Cap Croisette et la Calanque de Cortiou d'une part et les îles de Maire, de Jarre de Plane et de Riou, d'autre part. A - Cartes établies d'après les données bibliographiques existantes (PERGENT et PERGENT, 1988); B - Carte établie d'après les photographies aériennes et observations *in situ*.

Sheet Map FR.CORT.002

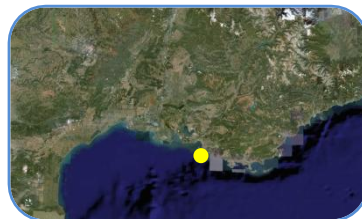
Reference

PERGENT-MARTINI C., PASQUALINI V., PERGENT G., 2000. Impact de la station d'épuration de la Ville de Marseille sur l'herbier à *Posidonia oceanica* du secteur de Cortiou. Contrat Ville de Marseille/GIS Posidonie N°9904, GIS Posidonie Edit., Corte : 1 - 47

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, secteur de Cortiou

GPS Coordinates : N 43°11'42.14"
E 5°21'48.30"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field

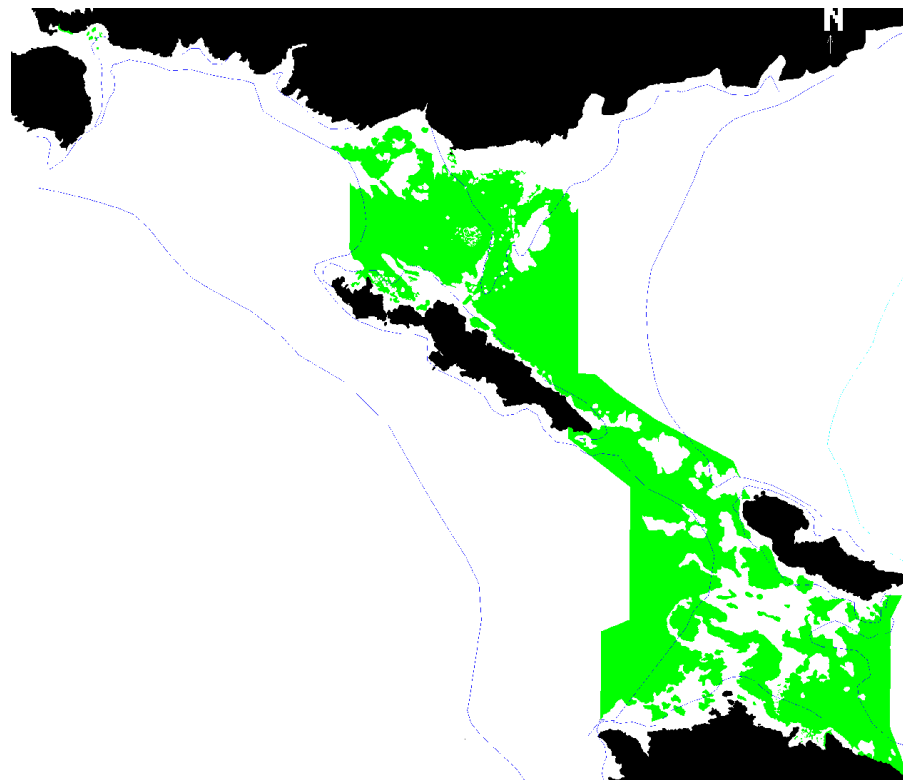
Size and accuracy

Coloured aerial photography, scale 1/10 370 dated from April 1994

Copyright

Other

Map



Sheet Map FR.CORT.003

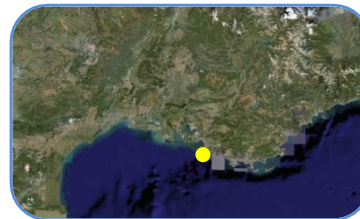
Reference

PERGENT-MARTINI C., PASQUALINI V., PERGENT G., 2000. Impact de la station d'épuration de la Ville de Marseille sur l'herbier à *Posidonia oceanica* du secteur de Cortiou. Contrat Ville de Marseille/GIS Posidonie N°9904, GIS Posidonie Edit., Corte : 1 - 47

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, secteur de Cortiou

GPS Coordinates : N 43°11'42.14"
E 5°21'48.30"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from June 1999

Copyright

Other

Map



Sheet Map FR.CRBE.001

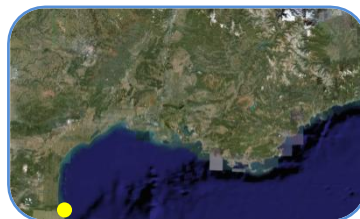
Reference

BALLESTA L., 1997. Contribution à la caractérisation des biocénoses benthiques de la côte des Albères. Mémoire de Diplôme d'Etudes Supérieures Spécialisées « Ecosystèmes Méditerranéens », Université de Corse, Fr. : 1-40 + annexes

Location

France, Languedoc-Roussillon, Pyrénées-Orientales, Banyuls-sur-Mer, Réserve naturelle marine de Cerbère, Cap Rédérés

GPS Coordinates : N 42°27'56.88"
E 3°09'51.28"



Date of achievement

1997

Methods

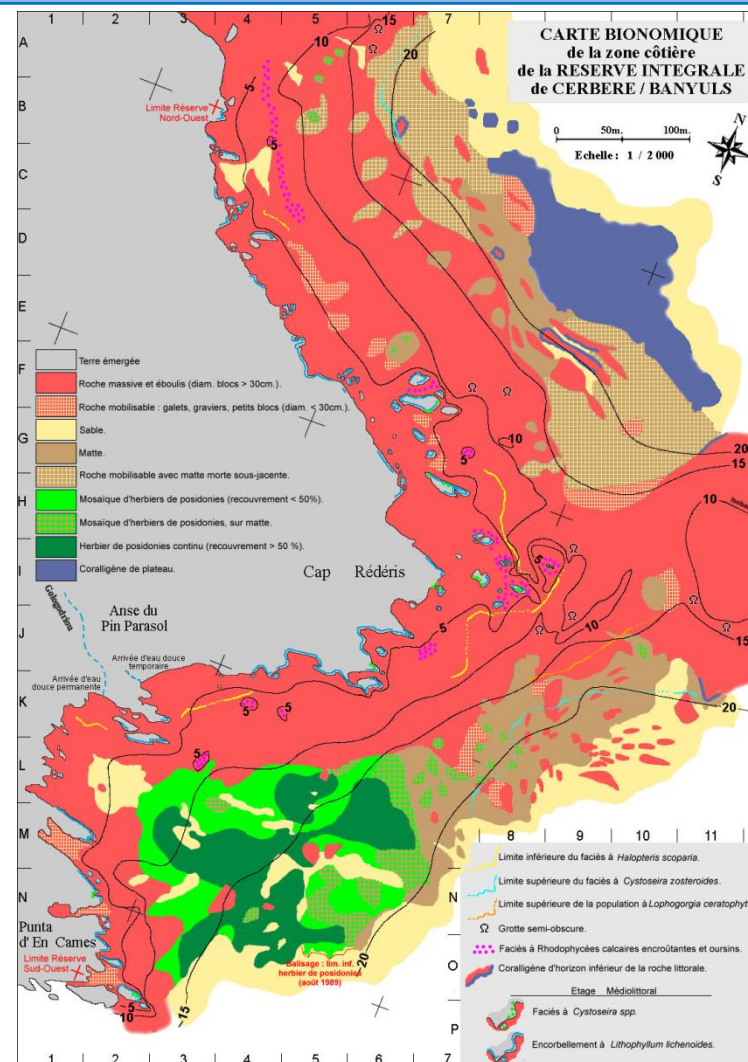
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map FR.CRBE.002

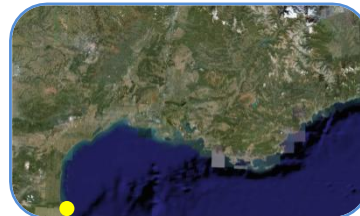
Reference

BALLESTA L., 1997. Contribution à la caractérisation des biocénoses benthiques de la côte des Albères. Mémoire de Diplôme d'Etudes Supérieures Spécialisées « Ecosystèmes Méditerranéens », Université de Corse, Fr. : 1-40 + annexes

Location

France, Languedoc-Roussillon, Pyrénées-Orientales, Banyuls-sur-Mer, Réserve naturelle marine de Cerbère, baie de Peyrefite

GPS Coordinates : N 42°27'37.50"
E 3°09'35.67"



Date of achievement

1997

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Copyright

Other

Map

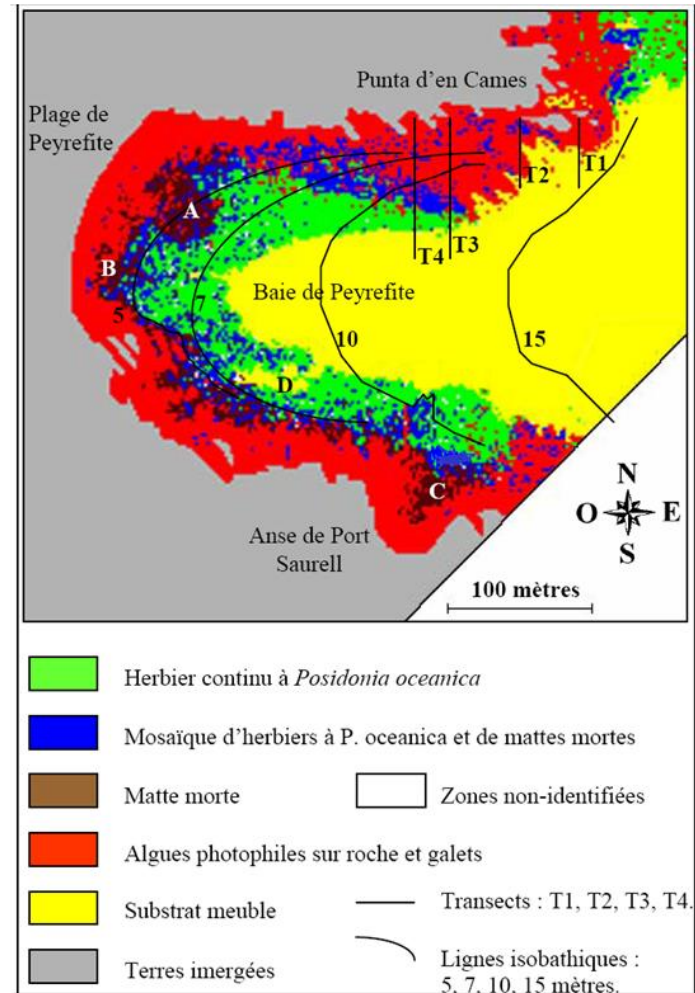


Figure 6: Carte des peuplements benthiques et types de fonds de la Baie de Peyrefite (Réserve Partielle de Cerbère / Banyuls).

Sheet Map FR.CROS.001

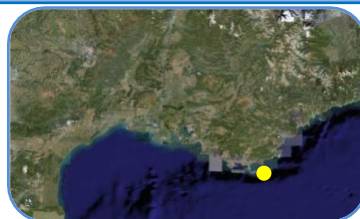
Reference

NIERI M., 1991. Contribution à la surveillance et à la cartographie biocénotique des fonds littoraux des Bouches-du-Rhône et du Var (Méditerranée-France). Thèse doctorat Ecologie, Université Aix-Marseille II, Fr. : 1-158 + annexes

Location

France, Provence-Alpes-Côte d'Azur, Var, île de Port-Cros, baie de Port-Cros

GPS Coordinates : N 43°00'30.23"
E 6°22'56.86"



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving, apnea and transects)

Size and accuracy

Copyright

Other

Map

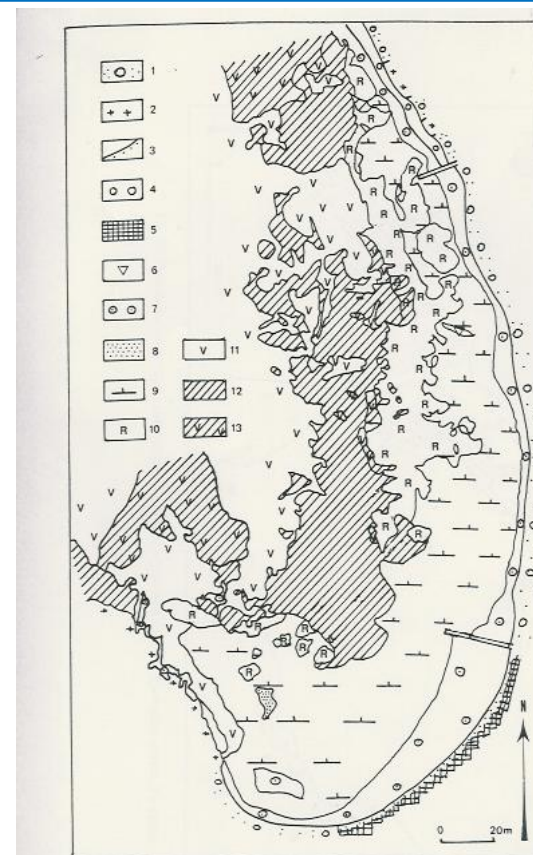


Fig. 26 : Ile de Port-Cros, baie de Port-Cros : carte biocénotique du récif-barrière et des peuplements benthiques du secteur sud de la baie de Port-Cros (1 = galets et terre rapportée, 2 = Biocénose de la Roche Supralittorale (R.S) ou *Verrucario-Melaraphetum neritoides*, 3 = Sables émergés, 4 = Galets immergés, 5 = Biocénose des Laises à Dessiccation Lente (L.D.L), 6 = Biocénose de la Roche Infralittorale Photophile de mode relativement Calme (R.I.P.C) ou *Cystoseiratum crinitae*, 7 = Plaques et galets colonisés par la biocénose RIPC, 8 = Sables immergés, 9 = Herbier à *Cymodocea nodosa* ou *Cymodoceum nodosae*, 10 = Récif-barrière de posidonies, 11 = Biocénose de l'Herbier de posidonies (H.P) ou *Posidonium oceanicae*, 12 = Biocénose de la Matte Morte de posidonies (M.M.P) ou *Thanato-Posidonium oceanicae*, 13 = Peuplements en mélange, (d'après AUGIER et NIERI, 1988, redessiné)

Sheet Map FR.CROS.002

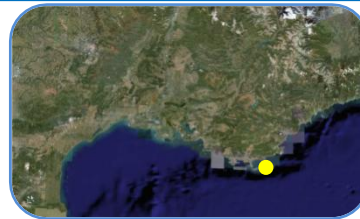
Reference

BELLONE E., MEINESZ A., 1995. Cartographie sous-marine du Parc National de Port-Cros (Var, France). I.-Elément de cartographie de l'herbier de *Posidonia oceanica* de la baie de Port-Man. Sci. Rep. Port-Cros natl. Park, 16 : 123-128

Location

France, Provence-Alpes-Côte d'Azur, Var, Port-Cros island, Port-Man bay

GPS Coordinates : N 43° 0'46.64"
E 6°25'7.47"



Date of achievement

February 1989

Methods

Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map

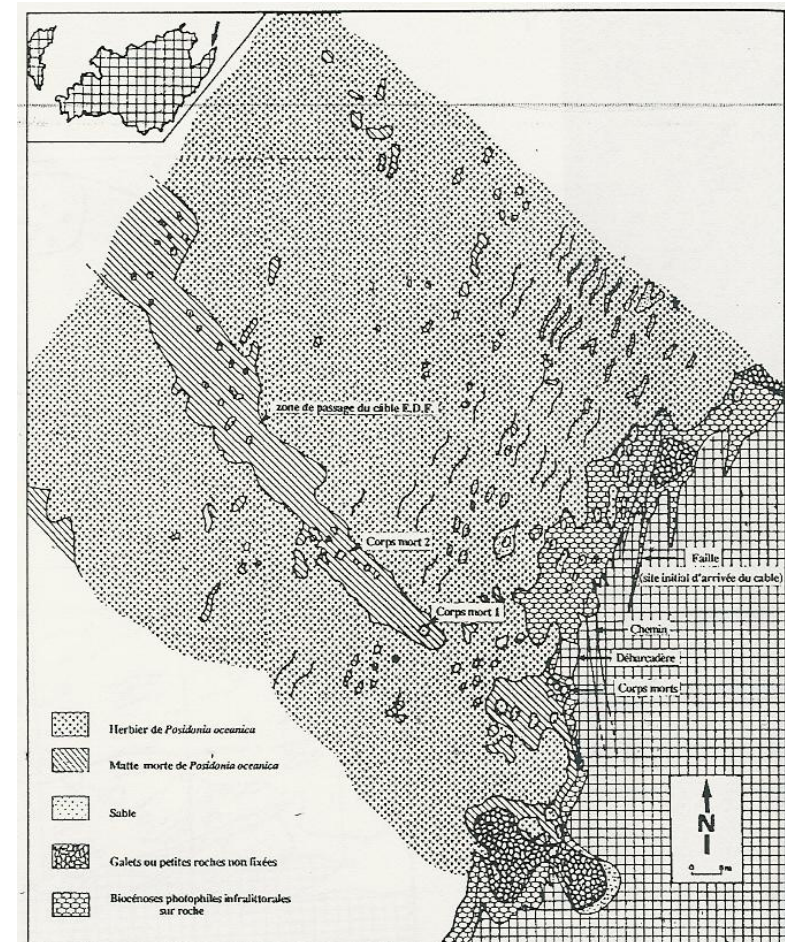


Fig. 2 - Carte de l'herbier de *Posidonia oceanica* dans la zone de passage du câble électrique sous-marin (Baie de Port-Man).

Sheet Map FR.CROS.003

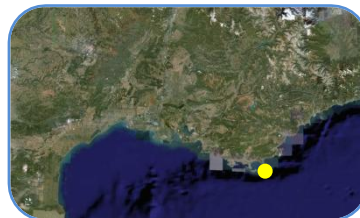
Reference

CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124

Location

France, Provence-Alpes-Côte d'Azur, Var, Porc-Cros island, port de Port-Cros

GPS Coordinates : N 43° 0'31.87"
E 6°22'48.15"



Date of achievement

November and December 1994

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

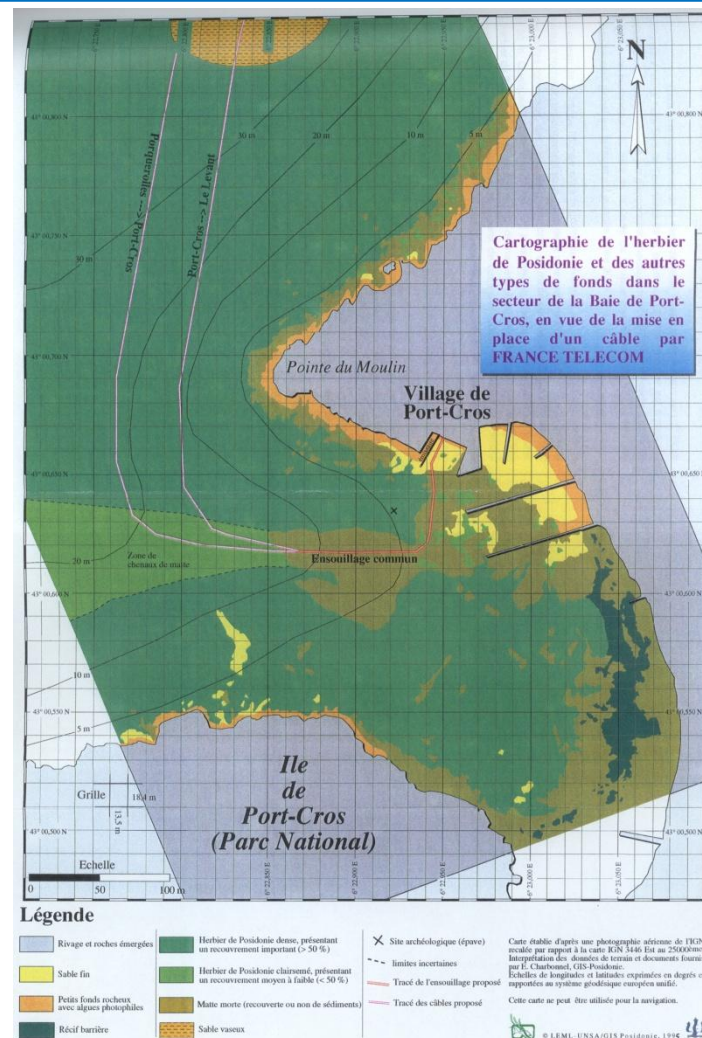
Size and accuracy

Coloured aerial photography, scale 1/20 000 enlarged to 1/2 000 of 1993

Copyright

Other

Map



Sheet Map FR.CROS.004

Reference

BELSHER T., HOULGATTE E., BOUDOURESQUE C.F., 2005. Cartographie de la prairie à *Posidonia oceanica* et des principaux faciès sédimentaires marins du Parc national de Port-Cros (Var, France, Méditerranée). Sci. Rep. Port-Cros natl. Park, Fr., 21 : 19-28

Location

France, Provence-Alpes-Côte d'Azur, Var Port-Cros island et Begaud island

GPS Coordinates : N 43°0'33.61"
E 6°22'37.37"



Date of achievement

June 1999

Methods

Photo interpretation from aerial photography
Data field(scuba diving, carrying out b bin)
lateral Sonar and tracted ideo camera

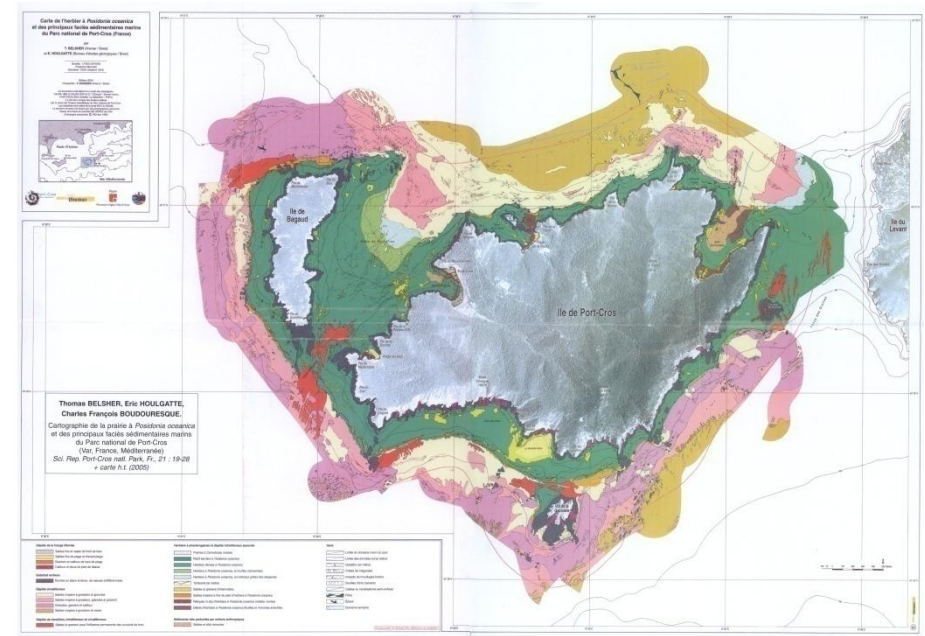
Size and accuracy

Aerial photography dated from 1978, 1980 and from 1995
Map scale 1/7 500

Copyright

Other

Map



Sheet Map FR.DIAN.001

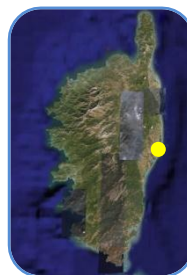
Reference

PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., SEGUI C., TOMASZEWSKI J.E., 2000. Les étangs littoraux de Corse : Cartographie des peuplements et types de fonds. Contrat Equipe Ecosystèmes Littoraux - Université de Corse & IFREMER, N° 99 3 514004 : 1-33

Location

France, Corsica, East coast, Diana lagoon

GPS Coordinates : N 42°04'52.78"
E 9°32'11.13"



Date of achievement

June 1999 et June 2000

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy





Coloured aerial photography, scale 1/10 000 dated from June 1999
Photography scan with a pixel of 2 m

Copyright

Other

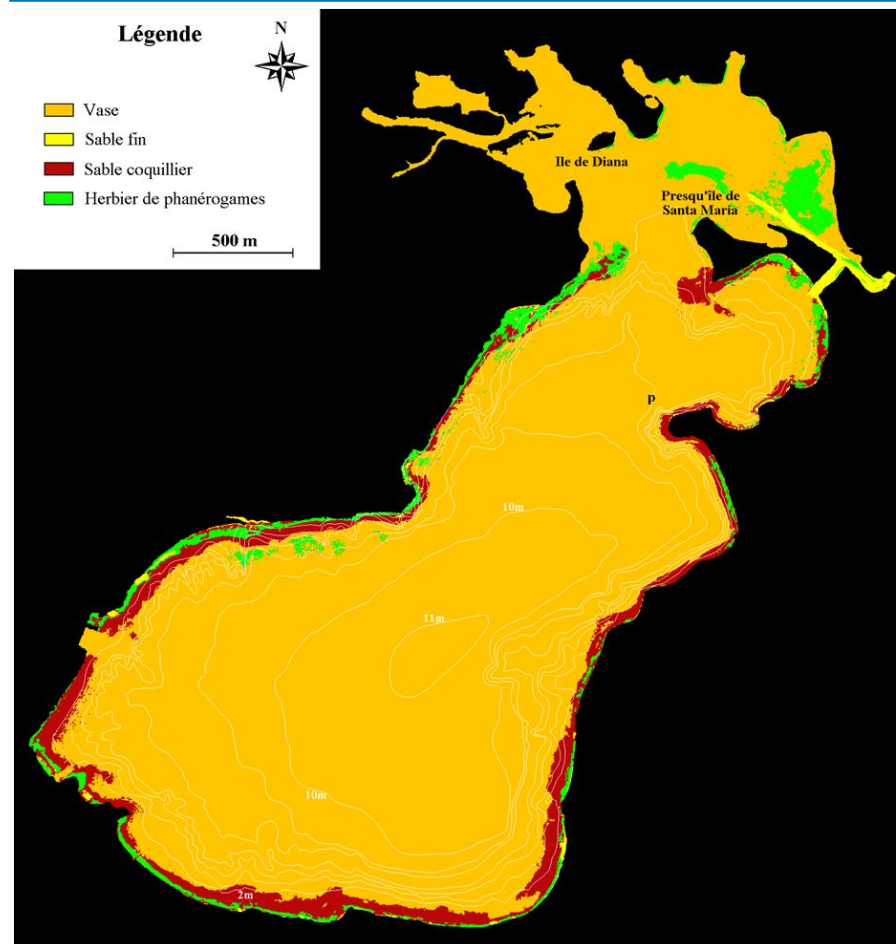
Map

Légende

-  Vase
-  Sable fin
-  Sable coquillier
-  Herbière de phanérogames



500 m



Sheet Map FR.ELBO.001

Reference

MEINESZ A., BOUDOURESQUE C.F., VAUGELAS DE J., CHIAVERINI D., 1998. Carte des biocénoses sous-marines de la Baie d'Elbo (Réserve Naturelle de Scandola). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 163-169

Location

France, Corsica, West coast, Réserve Naturelle de Scandola, bElbo bay

GPS Coordinates : N 42°22'18.99"
E 8°33'57.12"



Date of achievement

Methods

Bibliographic Synthesis from the documents :

MEINESZ A., BIANCONI C.H., JEUDY DE GRISSAC A., 1986. Transect dans l'herbier de Posidonies de la Baie d'Elbo. *in* Compte rendu des résultats scientifiques de la Mission Scandola XXVIII, C.F Boudouresque *et al.*, Trav. sci. Parc nat. rég. Res. nat. Corse, Fr., 2 : 39-40 ;

MEINESZ A., BOUDOURESQUE C.F., BIANCONI C.H., 1989. Réserve de Scandola : cartographie des hauts fonds autour du Secu d'a Furmicula. Trav. sci. Parc nat. rég. Res. nat. Corse, Fr., 23 : 11-16 ;

MEINESZ A., BOUDOURESQUE C.F., BIANCONI C.H., SIMONIAN M., 1987. Cartographie de la limite inférieure de l'Herbier de Posidonies de la baie d'Elbo. Trav. sci. Parc nat. rég. Res. nat. Corse, Fr., 13 : 27-37 ;

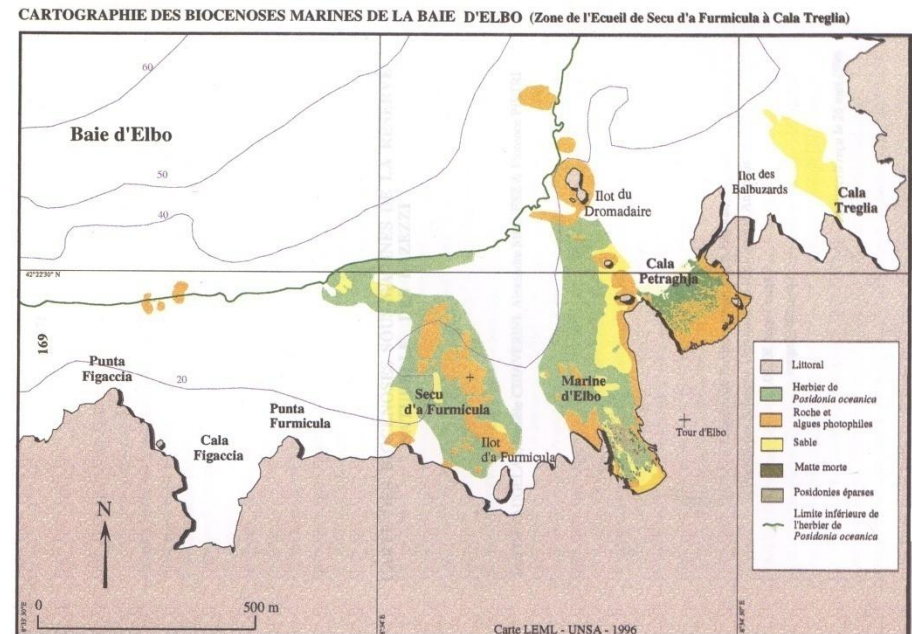
MEINESZ A., BOUDOURESQUE C.F., LEFEVRE J.R., 1988. A map of the *Posidonia oceanica* beds of Marina d'Elbu (Corsica, Mediterranean). P.S.Z.N.I. Marine Ecology, 9(3) : 243-252

Size and accuracy

Copyright

Other

Map



Sheet Map FR.FIGA.001

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, West coast, Figari bay

GPS Coordinates : N 41°28'3.56"
E 9° 3'56.16"



Date of achievement

May 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving, apnea and transects)

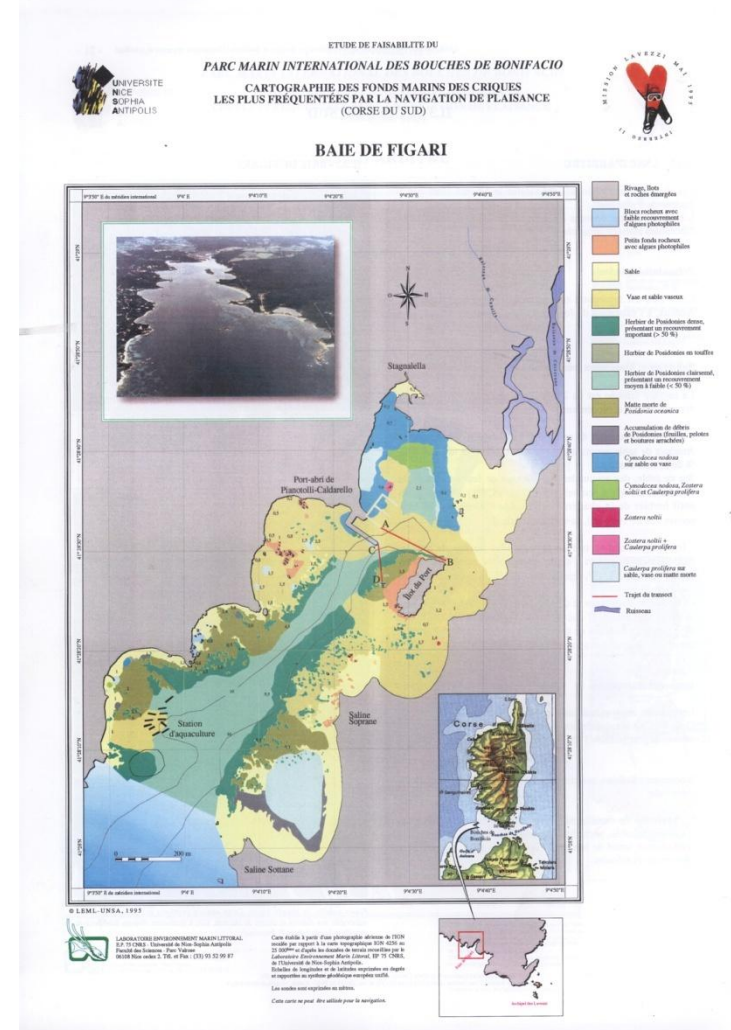
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.FIUM.001

Reference

PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-108

Location

France, Corsica, East coast, North of the mouth of Fium'Orbu

GPS Coordinates : N 42° 0'3.16"
E 9°27'28.65"



Date of achievement

June-July 2004

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

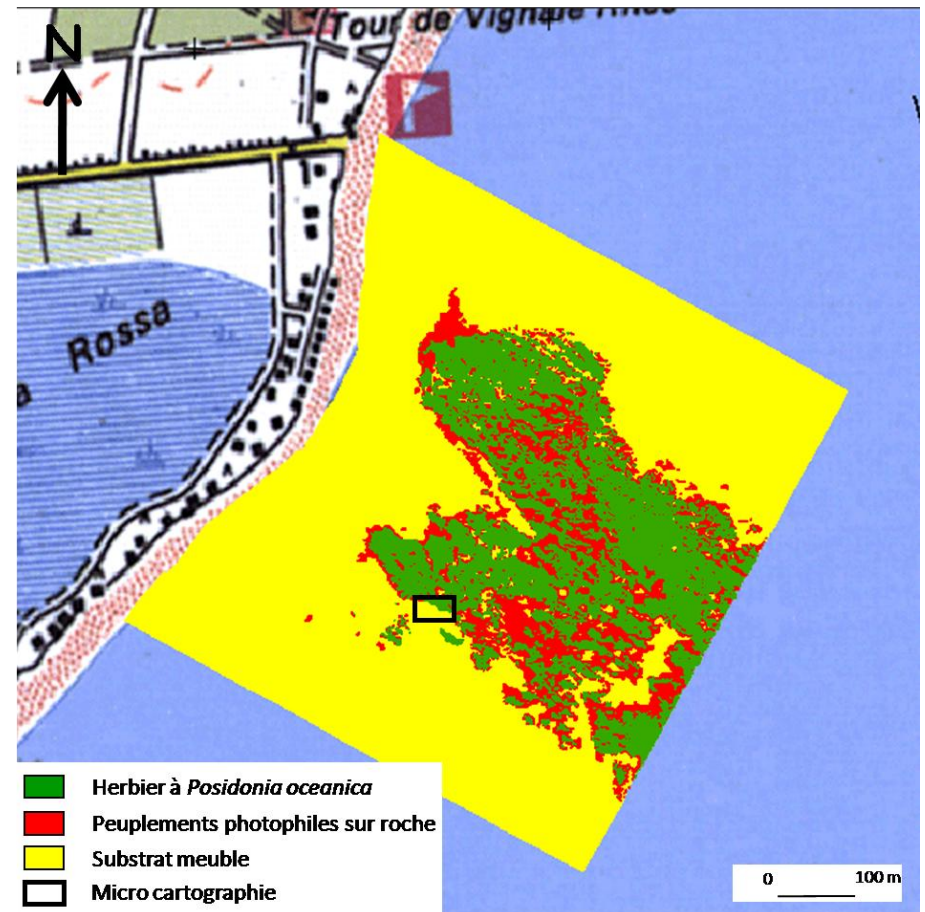
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2004
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.GIEN.001

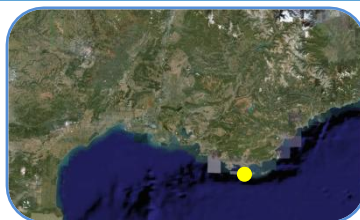
Reference

CHARBONNEL E., GRAVEZ V., ABELLARD O., BOUDOURESQUE C.F., REMONNAY L., 1995. Surveillance de l'herbier à *Posidonia oceanica* du golfe de Giens (Var, France). Second suivi. Contrat Syndicat Intercommunal Hyères-Carqueiranne pour l'assainissement de la baie de Giens & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-106 + annexes

Location

France, Provence-Alpes-Côte d'Azur, Var, gulf of Giens

GPS Coordinates : N 43° 3'50.60"
E 6° 6'18.06"



Date of achievement

Methods

Bibliographic Synthesis from the documents:

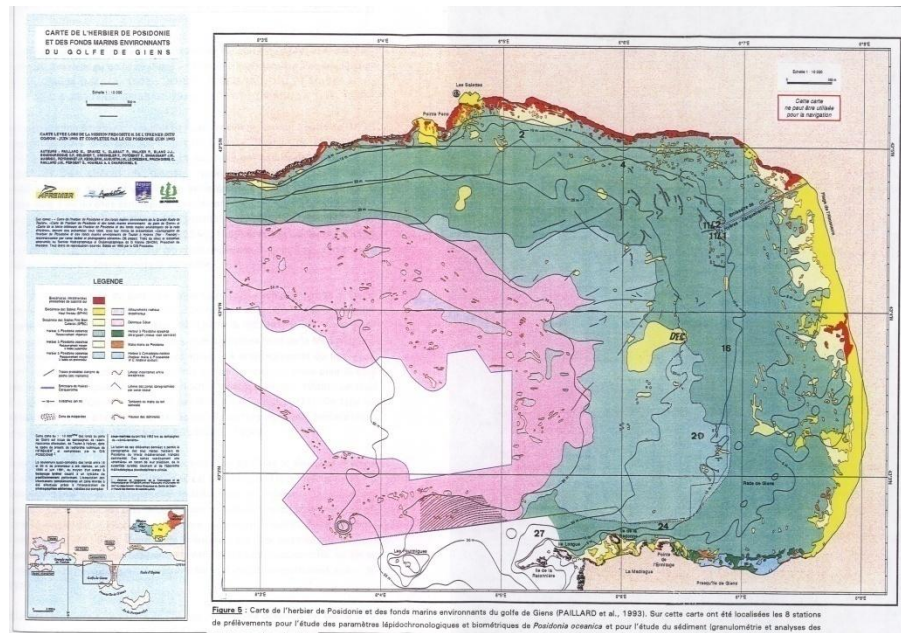
PAILLARD M., GRAVEZ V., CLABAUT P., BLANC J.J., BOUDOURESQUE C.F., BELSHER T., URSCHER F., POYDENOT F., SINNASSAMY J.M., AUGRIS C., PEYRONNET J.P., KESSLER M., AUGUSTIN J.M., LE DREZEN E., PRUDHOMME C., RAILLARD J.M., PERGENT G., HOAREAU A., CHARBONNEL E., 1993. Cartographie de l'herbier de Posidonie et des fonds marins environnants de Toulon à Hyères (Var, France). Reconnaissance par sonar latéral et photographie aérienne. Notice de présentation. IFREMER & GIS Posidonie publ., Fr. : 1-36 + annexes

Size and accuracy

Copyright

Other

Map



Sheet Map FR.GIEN.002

Reference

CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124

Location

France, Provence-Alpes-Côte d'Azur, Var, presqu'île de Giens, Sud-Est de la place de la Tour-Fondue

GPS Coordinates : N 43° 1'38.37"
E 6° 9'26.24"



Date of achievement

November and December 1994

Methods

Photo interpretation from aerial photography
Data-field (scuba diving, apnea and transects)

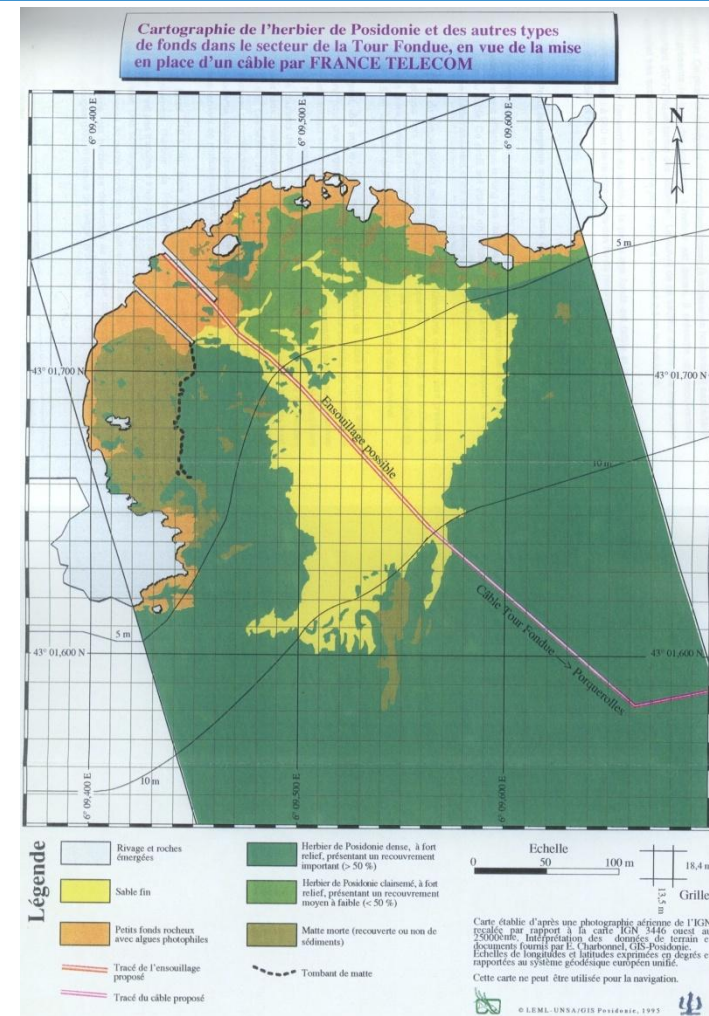
Size and accuracy

Black and white aerial photography, scale 1/2 000 dated from 1984

Copyright

Other

Map



Sheet Map FR.GIEN.003

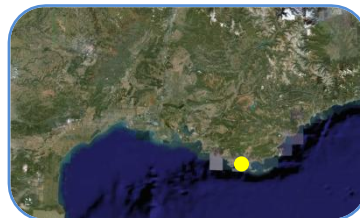
Reference

CHARBONNEL E., BOUDOURESQUE C.F., MEINESZ A., CADIOU G., BONHOMME P., BERNARD G., COTTALORDA J.M., PATRONE J., KRUCZEK R., BERTRANDY M.C., FORET P., BRICOUT P., MARRO C., LE DIREAC'H L., 2003. Le Réseau de Surveillance Posidonies de la Région Provence-Alpes-Côte d'Azur : résultats de suivi 2002. Région PACA / Agence de l'Eau RMC / GIS Posidonie / SM 13 / DDE 83 / Conseil Général 06. GIS Posidonie publ., Marseille, Fr. : 1-176

Location

France, Provence-Alpes-Côte d'Azur, Var, golfe de Giens, plage de l'Almanarre

GPS Coordinates : N 43°3'54.26"
E 6°7'41.44"



Date of achievement

2002

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Aerial photography dated from September 2002

Copyright

Other

Map

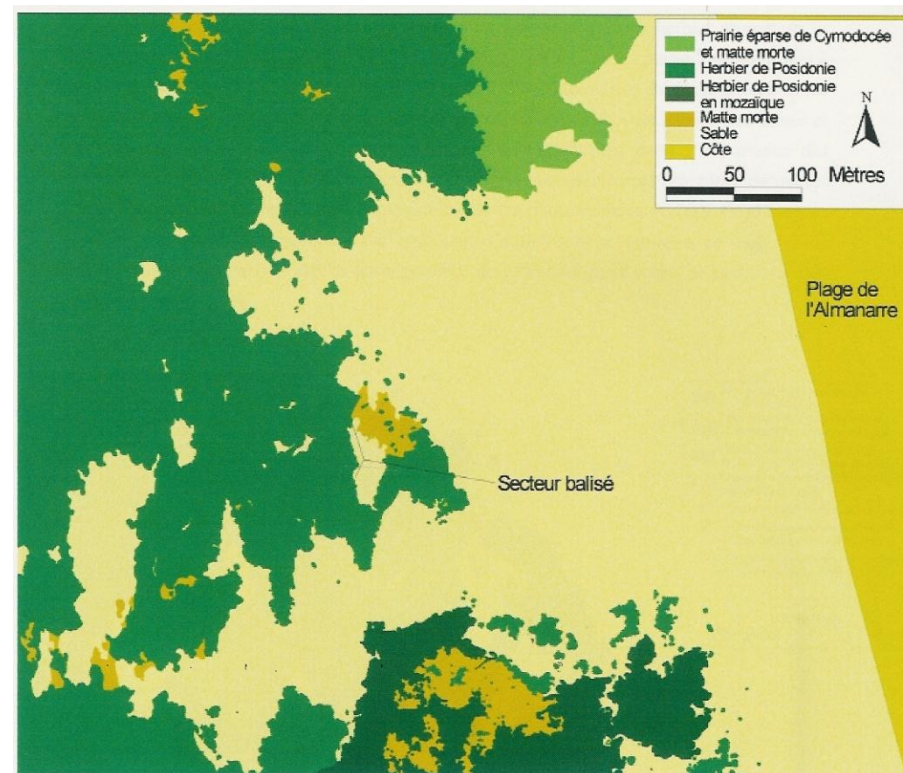


Figure 11. Cartographie en 2002 de l'herbier de Posidonie et des principaux types de fonds du site RSP de Giens et localisation du balisage installé depuis novembre 1994 le long de la limite supérieure. Carte des fonds établie sur SIG (Arc View.2) à partir des photographies aériennes réalisées le 30 septembre 2002 par la société Aériel (? GIS Posidonie, G. Cadiou).

Sheet Map FR.GIRO.001

Reference

PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., 1993.
Etude de faisabilité d'un mouillage organisé dans le port-abri de Girolata -
Approche environnementale. Contrat BCEOM/GIS Posidonie, GIS Posidonie -
Centre de Corse édit., Fr. : 1-73 + annexes

Location

France, Corsica, West coast, Girolata bay

GPS Coordinates : N 42°20'56.62"
E 8°36'50.60"



Date of achievement

October and November 1993

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of
Calfat)

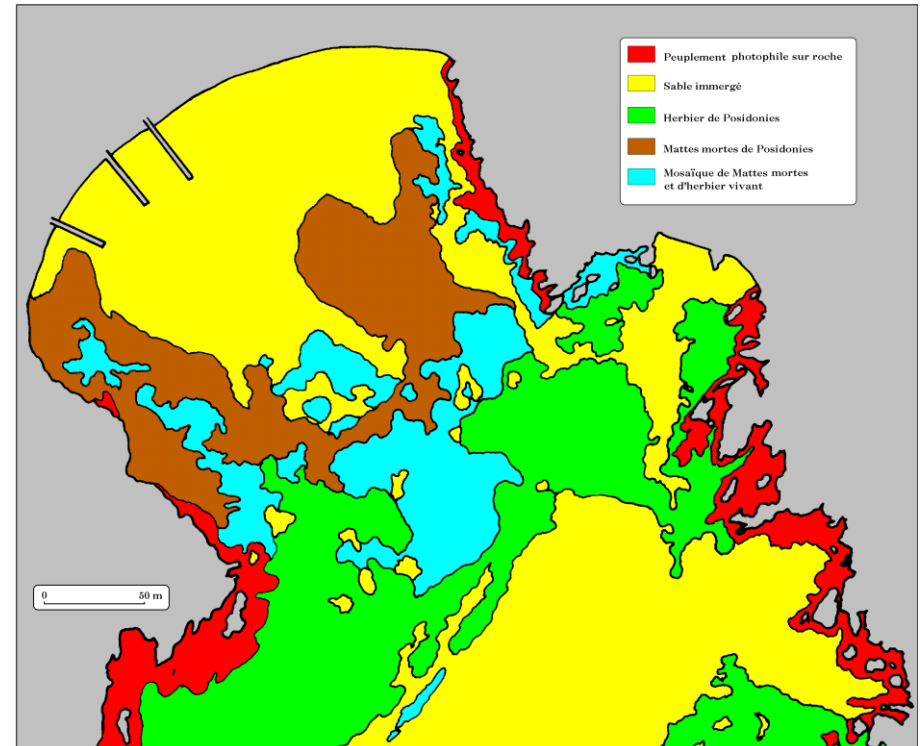
Size and accuracy

Coloured aerial photography, scale 1/25 000

Copyright

Other

Map



Sheet Map FR.GIRO.002

Reference

PERGENT G., LEONARDINI R., MIMAUULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 – 141

Location

France, Corsica, West coast, Girolata bay

GPS Coordinates : N 42°20'56.62"
E 8°36'50.60"



Date of achievement

April 2008

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

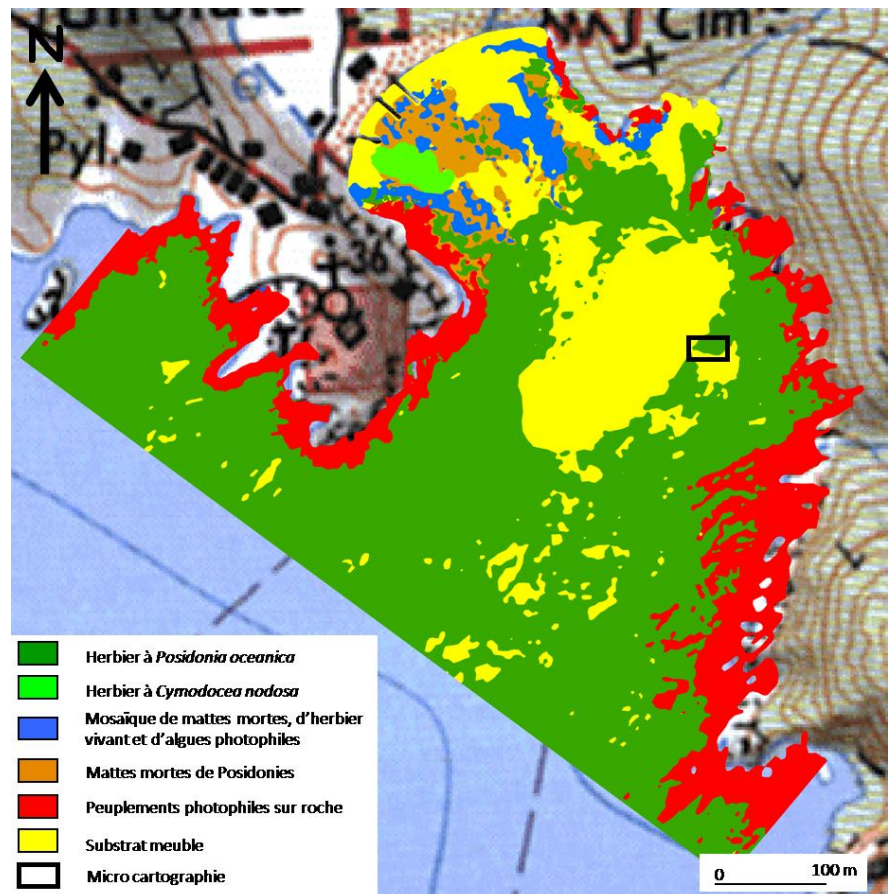
Size and accuracy

Coloured aerial photography, scale 1/5 000 from May 2006
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.LAVE.001

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, extreme South, Lavezzu island, Grecu cove and Sderenaia cove

GPS Coordinates : N 41°20'32.27"
E 9°15'33.78"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography

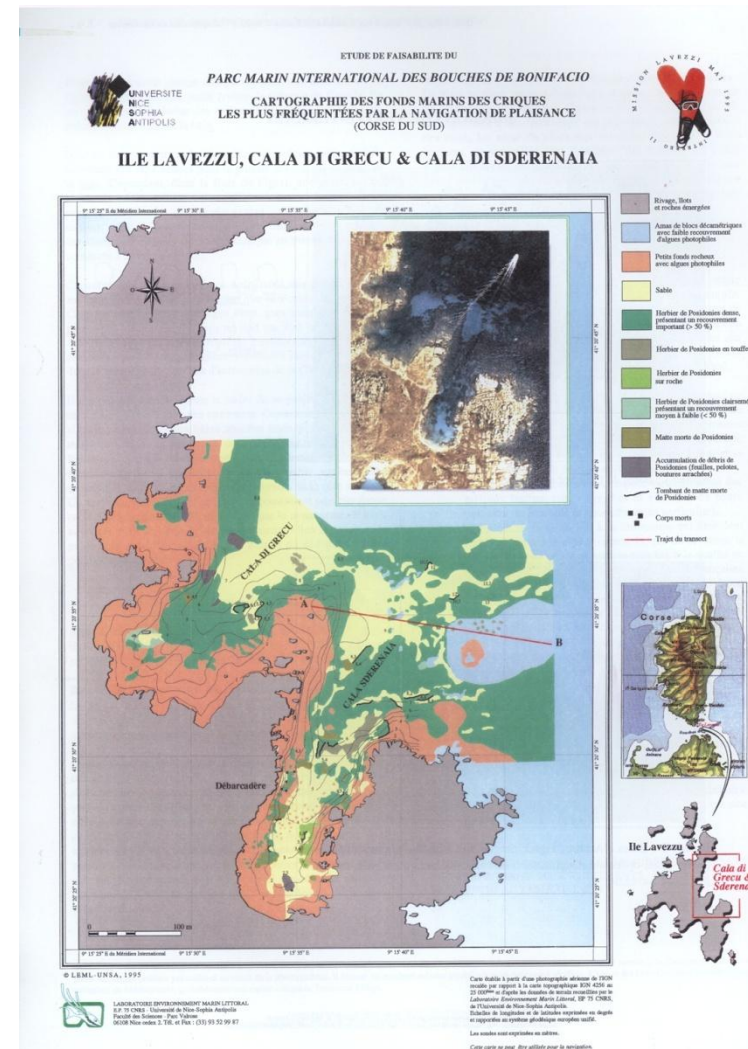
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.LAVE.002

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, extreme South, Lavezzu island, Achiarina cove and Giuncu cove

GPS Coordinates : N 41°20'20.09"
E 9°15'6.17"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data field (scuba diving, apnea and transects)

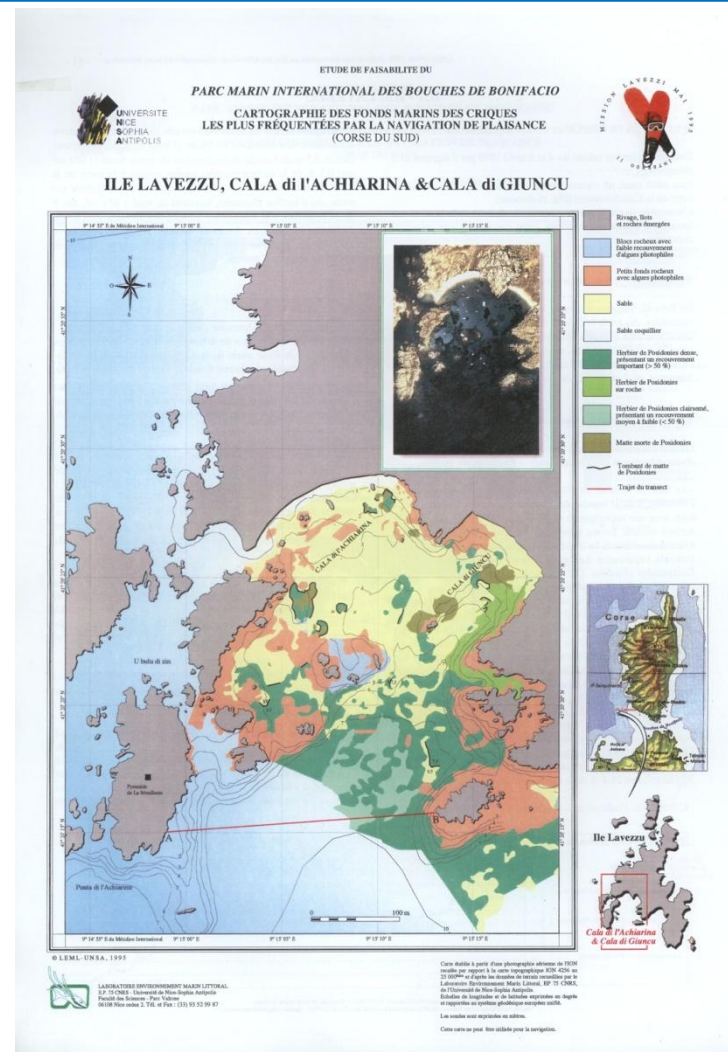
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.LAVE.003

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, extreme South, Lavezzu island, Chiorneri cove

GPS Coordinates : N 41°20'10.49"
E 9°15'19.56"



Date of achievement

April 1995

Methods

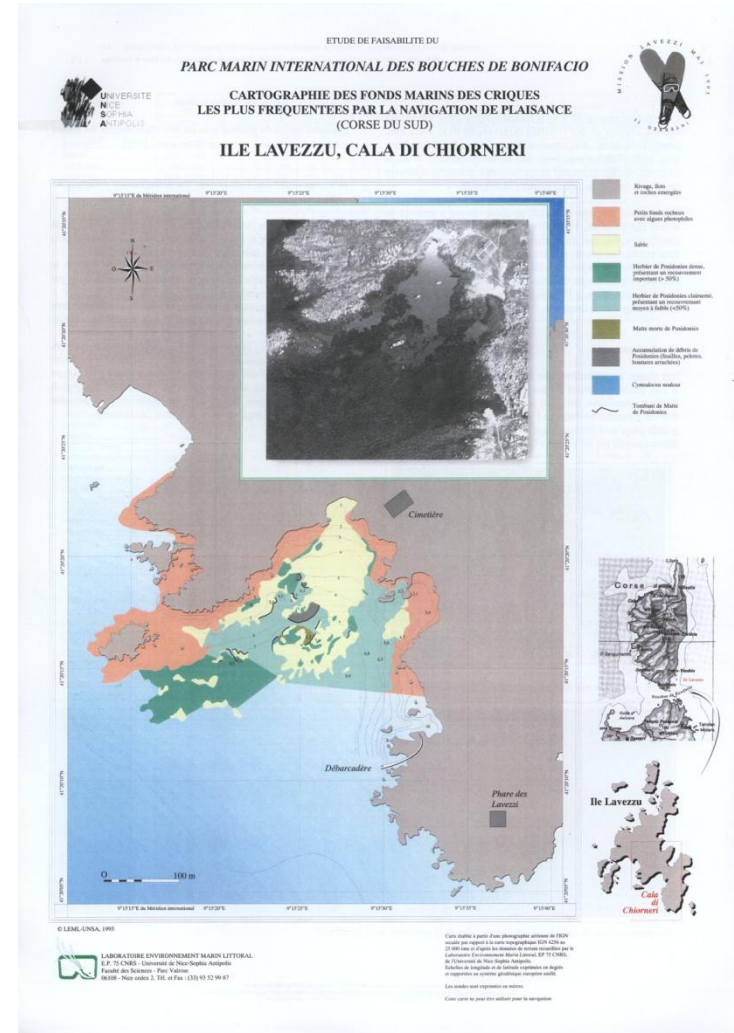
Photo interpretation from aerial photography
Data field (scuba diving, apnea and transects)

Size and accuracy

Aerial photography dated from July 1990

Other

Map



Sheet Map FR.LAVE.004

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, extreme South, Lavezzu island, Sgisia cove and Magrunaggia cove

GPS Coordinates : N 41°20'46.53"
E 9°15'15.66"



Date of achievement

April 1995

Methods

Photo interpretation from aerial photography
Data field(scuba diving, apnea and transects)

Size and accuracy

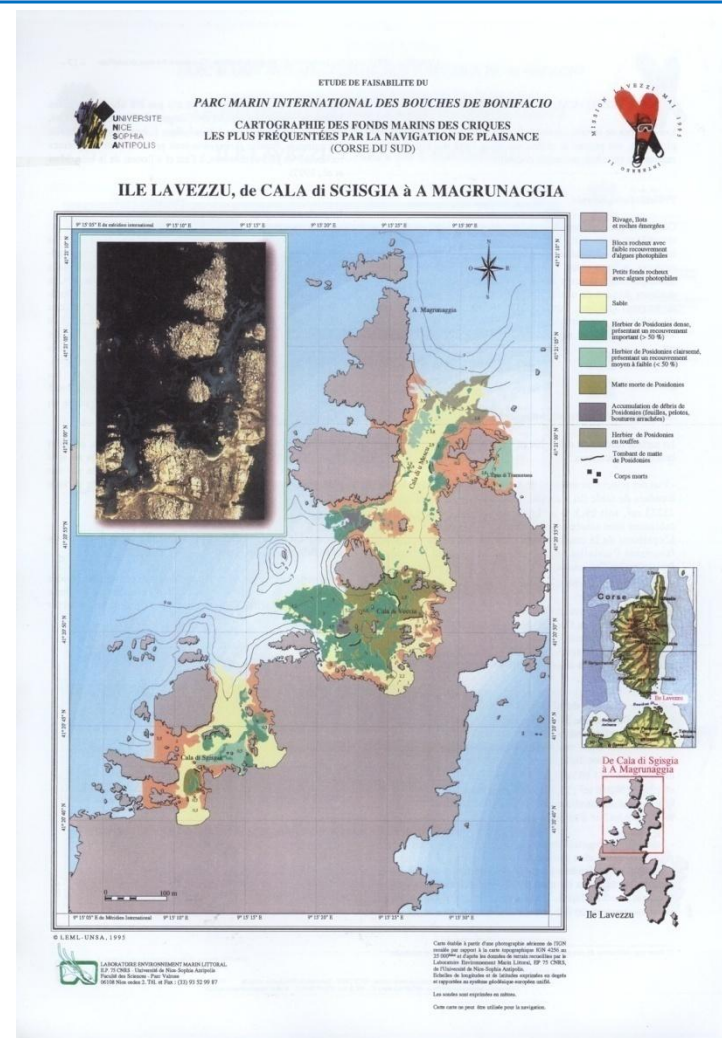
Aerial photography dated from July 1990

Other

Copyright

Other

Map



Sheet Map FR.LAVE.005

Reference

VAUGELAS DE J., CHIAVERINI D., MEINESZ A., PIETRI F., 1998. Carte des biocénoses sous-marines de la réserve naturelle des Lavezzi. Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, 57 : 171-175

Location

France, Corsica, extreme South, Lavezzi island
GPS Coordinates : N 41°21'18.68"
E 9°15'31.55"



Date of achievement

Methods

Bibliographic Synthesis from the documents:

MEINESZ A. 1989. Impact d'un aménagement portuaire privé sur le domaine maritime de la Réserve naturelle des îles Lavezzi : 1-15 ;

MEINESZ A., BALAZUC J., 1985. Etude d'impact sur le milieu marin du port-abri saisonnier de Cavallo. Ed. Laboratoire de Biologie et d'Ecologie Marines, UNSA : 1-13 ;

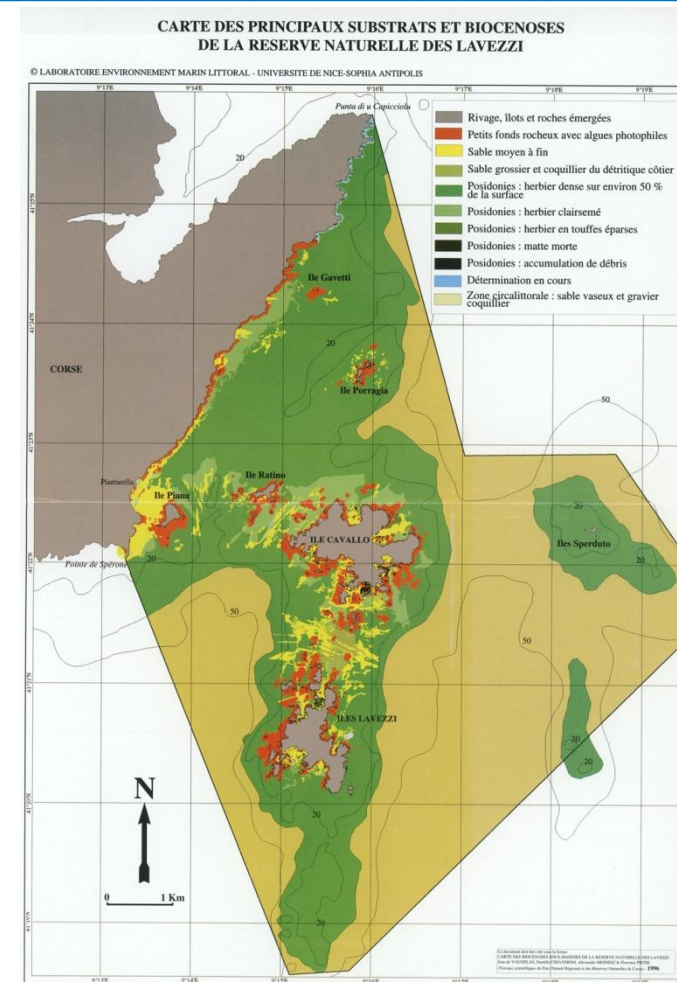
MEINESZ A., CAYE G., CHARBONNEL E., LEFEVRE J.R., 1988. Localisation de la limite inférieure des herbiers de *Posidonia oceanica* et observation sur sa fructification dans la Réserve naturelle des îles Lavezzi : missions 1986. Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, Fr., 14 : 53-70 ;

MEINESZ A., VERLAQUE M., 1989. Localisation de la limite inférieure des herbiers de *Posidonia oceanica* (L.) Delile de la Réserve naturelle des Lavezzi, III, Mission Lavezzi 5 (1987). Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse, Fr., 24 : 83-88 ;

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des

Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Map



Sheet Map FR.LAVE.006

Reference

VELA A., PERGENT-MARTINI C., PASQUALINI V., LEONI V., PERGENT G., 2001. Parc Marin International des Bouches de Bonifacio, Etat de référence des herbiers à *Posidonia oceanica*, Contrat GIS Posidonie & O.E.C. : 1-35

Location

France, Corsica, extreme South, Lavezzu island
GPS Coordinates : N 41°20'12.40"
E 9°15'2.70"



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)
Bibliographic Synthesis from the document:
PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

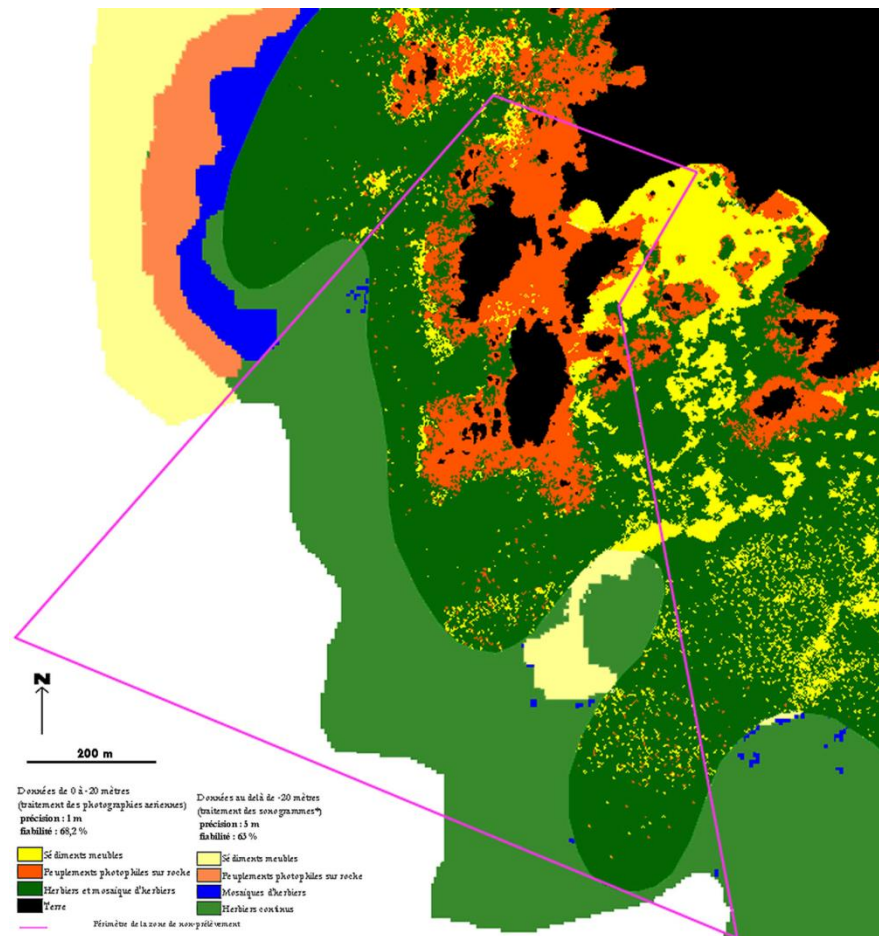
Size and accuracy

Coloured aerial photography, scale 1/12 000 dated from 2001
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.LEVA.001

Reference

CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124

Location

France, Provence-Alpes-Côte d'Azur, Var, Levant island, Héliopolis, Cap Rous

GPS Coordinates : N 43° 1'14.03"
E 6°26'0.54"



Date of achievement

November and December 1994

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

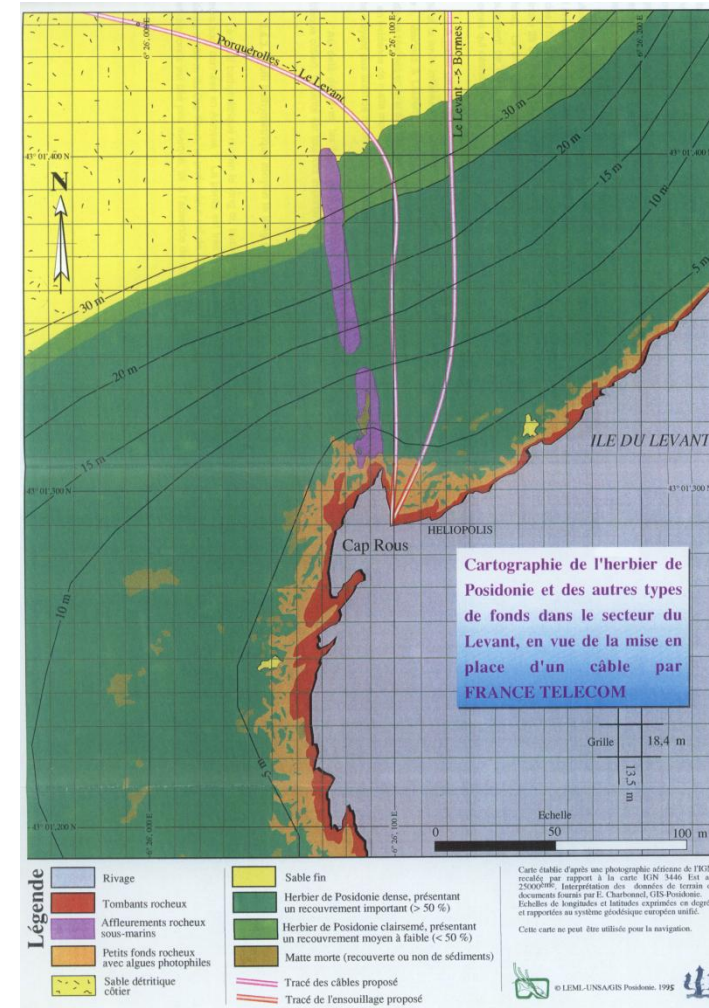
Size and accuracy

Coloured aerial photography ,scale 1/20 000 enlarged to 1/2 000 of 1993

Copyright

Other

Map



Sheet Map FR.MACI.001

Reference

STARESO, 1993. Etude du milieu marin en vue de l'implantation d'un émissaire de rejet en mer à Macinaggio (Commune de Rogliano) : 1-80

Location

France, Corsica, Cap Corse, East coast, Macinaggio

GPS Coordinates : N 42°57'42.67"
E 9°27'29.14"



Date of achievement

Methods

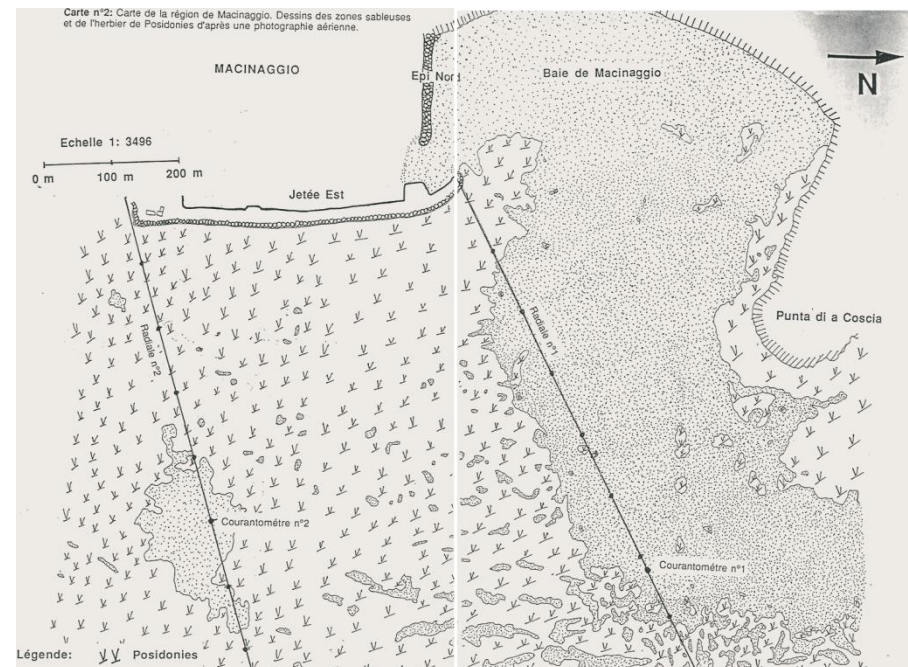
Data-field (transects)

Size and accuracy

Copyright

Other

Map



Sheet Map FR.MOIN.001

Reference

PETRAGALLO S., MIMAUT B., PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 2004. Etat de référence des principaux peuplements et types de fonds du Parc Marin International des Bouches de Bonifacio. Convention de recherche Seagrass 2000 & O.E.C., Seagrass 2000 édit., Corte : 1-54 + annexes

Location

France, Corsica, west coast, îles Moines

GPS Coordinates : N 41°27'37.37"
E 8°54'43.20"



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

Bibliographic Synthesis from the document:

PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

Size and accuracy

Coloured aerial photography , scale 1/10 000 dated from 2004






Copyright

Other




Map

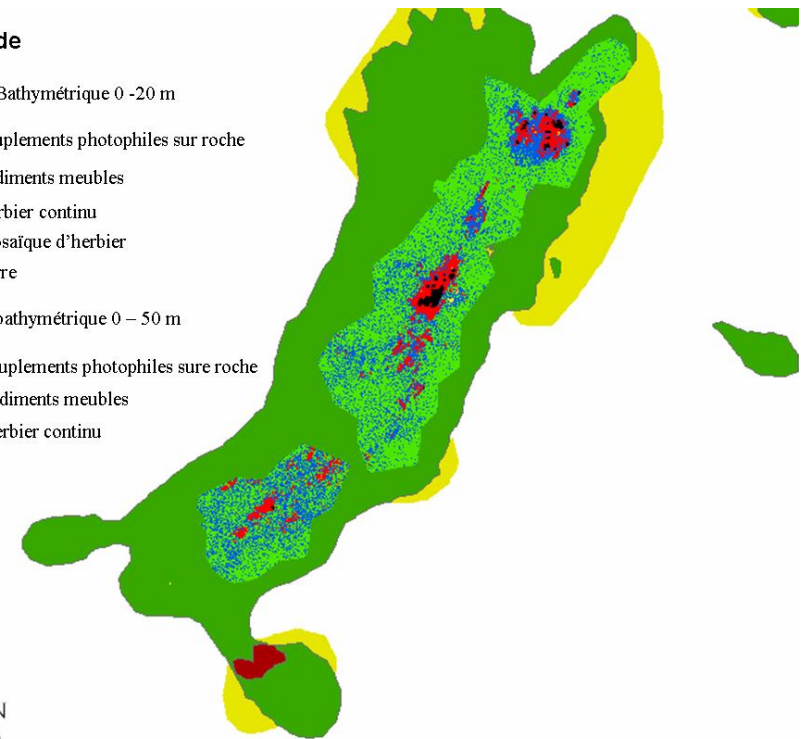
Légende

Tranche Bathymétrique 0 -20 m

-  Peuplements photophiles sur roche
-  Sédiments meubles
-  Herbier continu
-  Mosaïque d'herbier
-  Terre

Tranche bathymétrique 0 – 50 m

-  Peuplements photophiles sure roche
-  Sédiments meubles
-  Herbier continu



0 250 500 1 000
Mètres

Sheet Map FR.MUGE.001

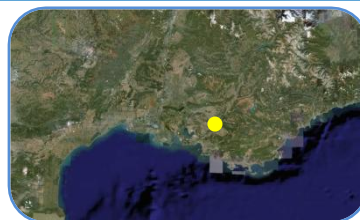
Reference

CHARBONNEL E., FRANCOUR P., 1994. Cartographie des fonds et de l'herbier à *Posidonia oceanica* entre la calanque du Mugel et l'île verte (La Ciotat) pour le passage d'une canalisation d'alimentation en eau de l'île verte. Contrat ADES-Conseil Général des Bouches-du- Rhône & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-65

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, La Ciotat, calanque de Mugel

GPS Coordinates : N 43° 9'56.40"
E 5°36'28.94"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field(scuba diving, apnea and transects)

Size and accuracy

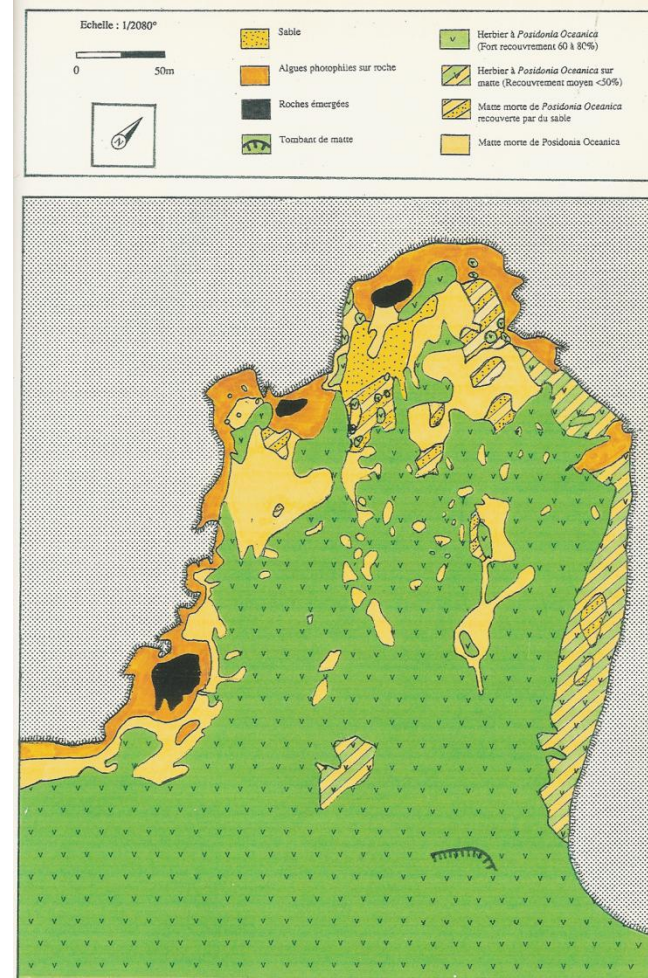
Aerial photography, scale 1/8 259 and scale 1/10 386, dated from 1988 and from 1990

Copyright

Other

Map

CARTE BIOCENOTIQUE DES FONDS MARINS DE LA CALANQUE DU MUGEL



Sheet Map FR.PELL.001

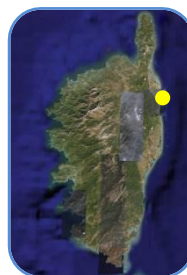
Reference

STARESO, 1992. Etude du milieu marin en vue de l'implantation d'un émissaire de rejet par la commune de Taglio Isolaccio

Location

France, Corsica, East coast, commune de Taglio Isolaccio, San Pellegrino

GPS Coordinates : N 42°27'12.03"
E 9°33'14.67"



Date of achievement

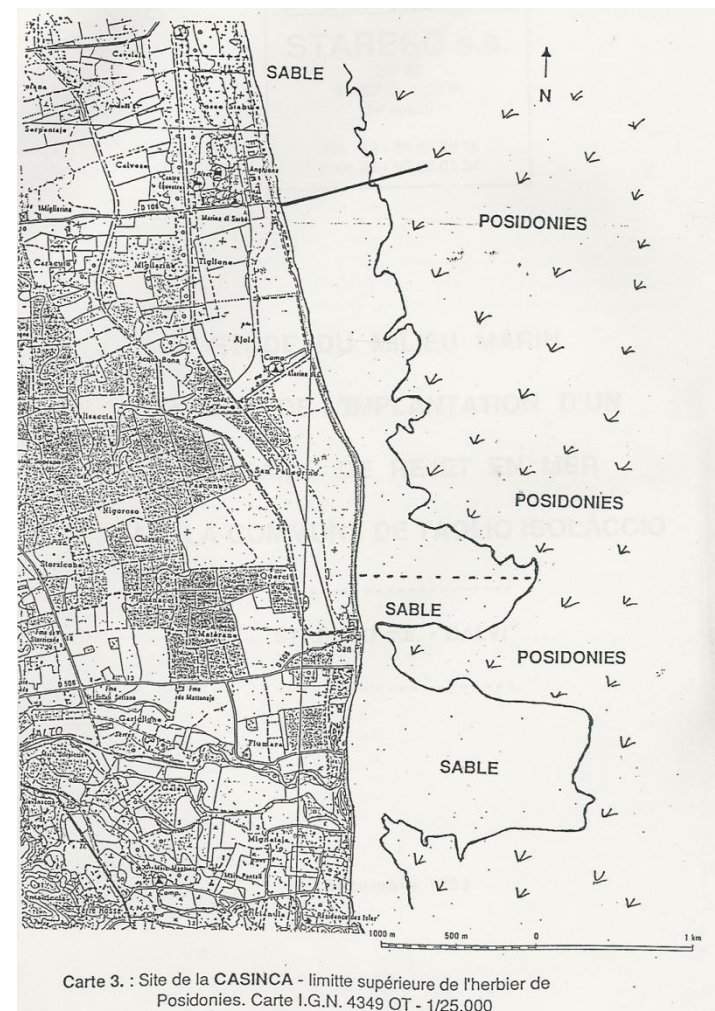
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map FR.PLAT.001

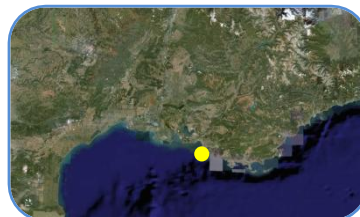
Reference

PERGENT-MARTINI C., PERGENT G., 1990. Suivi de l'évolution de l'herbier à *Posidonia oceanica* après la mise en service de la station d'épuration de Marseille. Contrat Ville de Marseille/Université Aix-Marseille II N° 9261, LBMEB & GIS Posidonie Edit., Fr. : 1-58

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, Plateau des Chèvres

GPS Coordinates : N 43°12'12.96"
E 5°21'52.74"



Date of achievement

February to April 1990

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

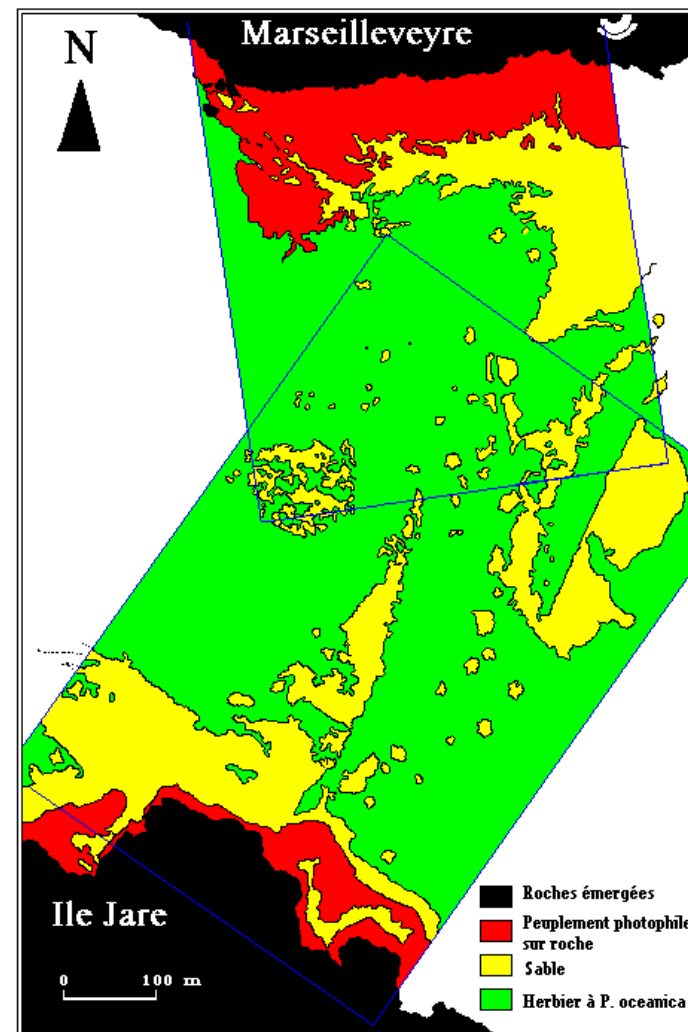
Size and accuracy

Aerial photography dated from February 1989

Copyright

Other

Map



Sheet Map FR.PLAT.002

Reference

PERGENT-MARTINI C., PERGENT G., GIRARD M., 1993. L'herbier à *Posidonia oceanica* du Plateau des Chèvres – Impact de la station d'épuration de la Ville de Marseille après quatre années de fonctionnement. Contrat Ville de Marseille/GIS Posidonie N° 9211, CEVAREN & GIS Posidonie Centre de Corse Edit., Fr. : 1-48

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, Plateau des Chèvres

GPS Coordinates : N 43°12'12.96"
E 5°21'52.74"



Date of achievement

1992

Methods

Photo interpretation from aerial photography
Data-field

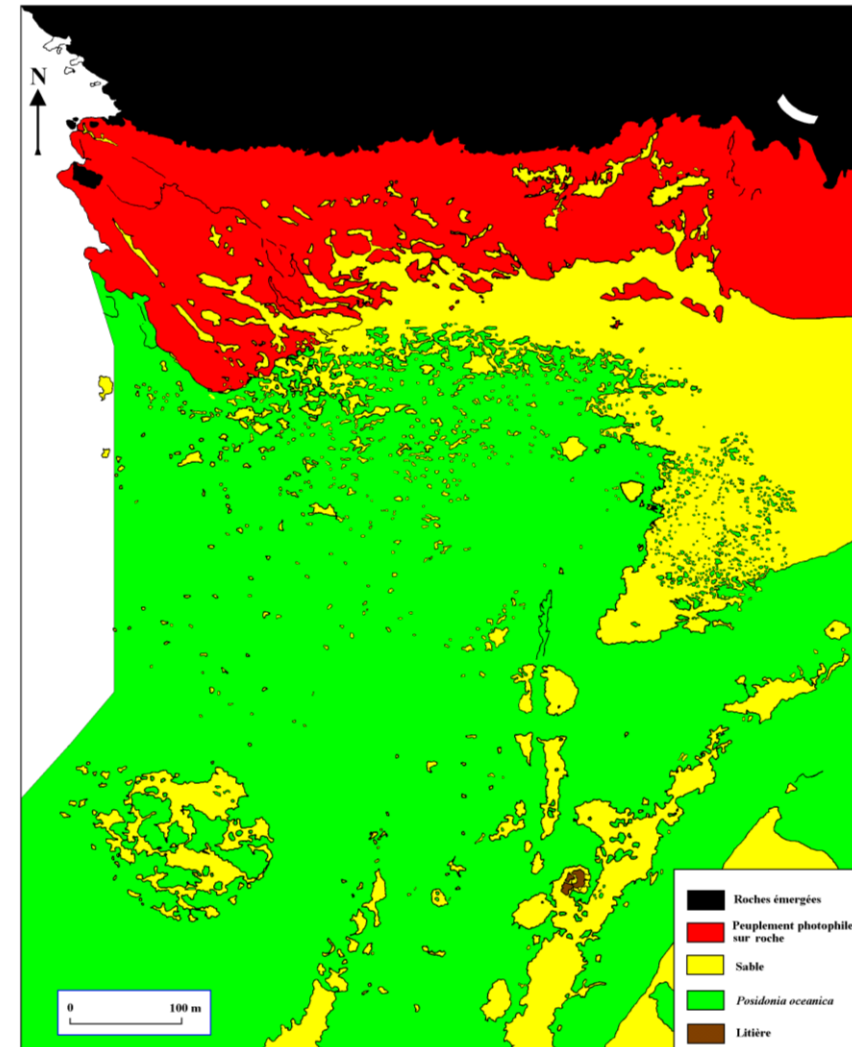
Size and accuracy

Aerial photography dated from July 1992

Copyright

Other

Map



Sheet Map FR.PLAT.003

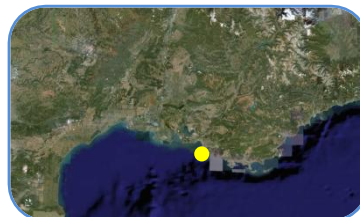
Reference

PERGENT-MARTINI C., PASQUALINI V., PERGENT G., 2000. Impact de la station d'épuration de la Ville de Marseille sur l'herbier à *Posidonia oceanica* du secteur de Cortiou. Contrat Ville de Marseille/GIS Posidonie N°9904, GIS Posidonie Edit., Corte : 1 - 47

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, Plateau des Chèvres

GPS Coordinates : N 43°12'12.96"
E 5°21'52.74"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Coloured aerial photography ,scale 1/10 370 of April 1994

Copyright

Other

Map



Sheet Map FR.PLAT.004

Reference

PERGENT-MARTINI C., PASQUALINI V., PERGENT G., 2000. Impact de la station d'épuration de la Ville de Marseille sur l'herbier à *Posidonia oceanica* du secteur de Cortiou. Contrat Ville de Marseille/GIS Posidonie N°9904, GIS Posidonie Edit., Corte : 1 - 47

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Marseille, Plateau des Chèvres

GPS Coordinates : N 43°12'12.96"
E 5°21'52.74"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field

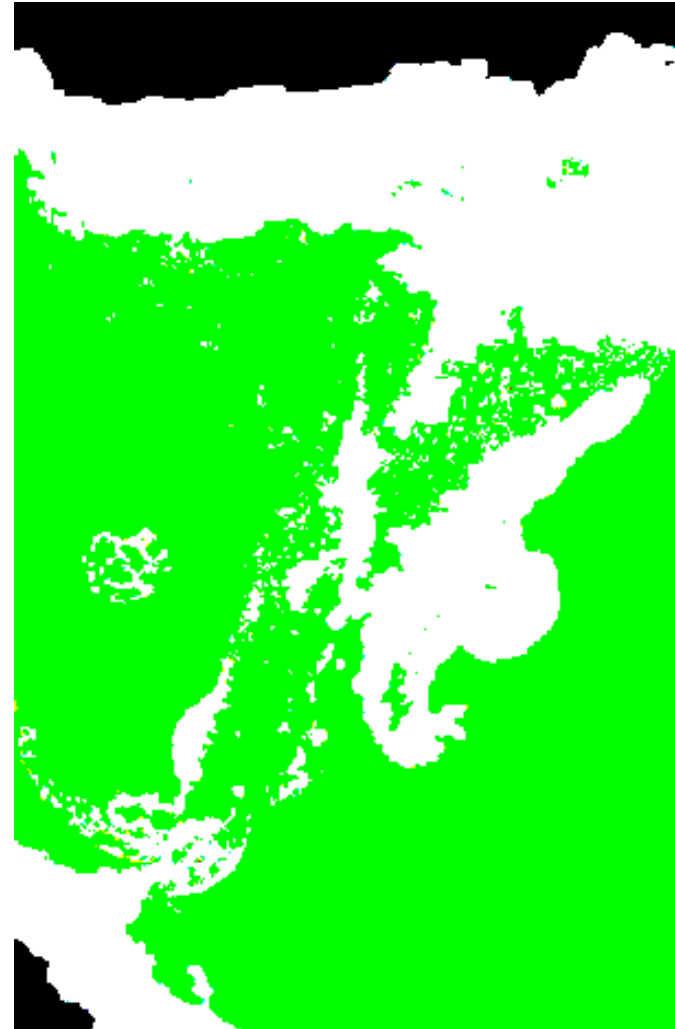
Size and accuracy

Coloured aerial photography ,scale 1/5 000 dated from June 1999

Copyright

Other

Map



Sheet Map FR.PORQ.001

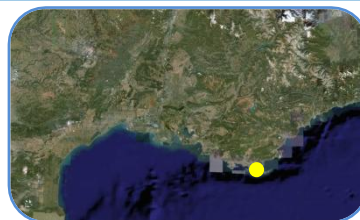
Reference

CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124

Location

France, Provence-Alpes-Côte d'Azur, Var, île de Porquerolles, port de Porquerolles

GPS Coordinates : N 43° 0'17.06"
E 6°11'54.60"



Date of achievement

February 1995

Methods

Photo interpretation from aerial photography

Data field (scuba diving, apnea and transects)

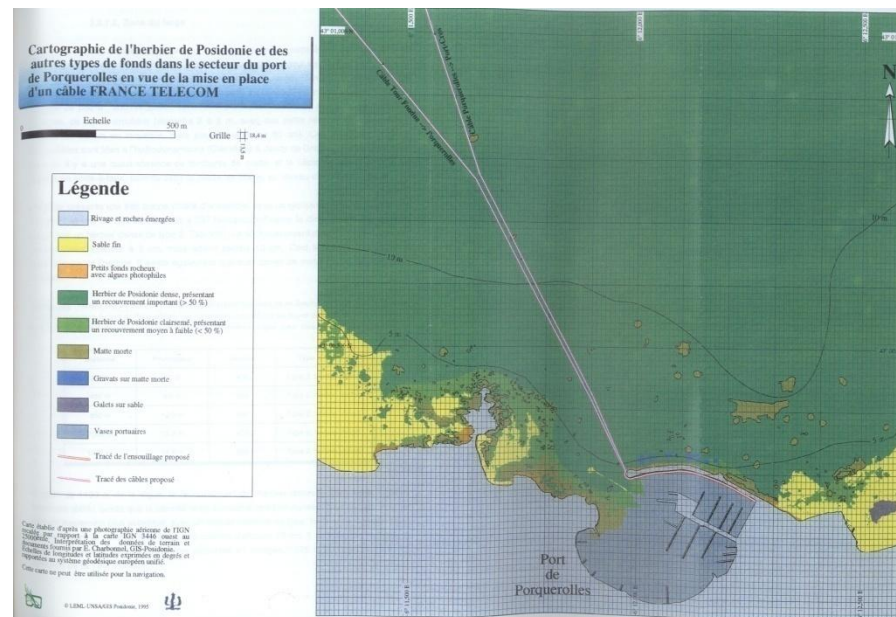
Size and accuracy

Aerial photography, scale 1/4 600 dated from 1992

Copyright

Other

Map



Sheet Map FR.PORQ.002

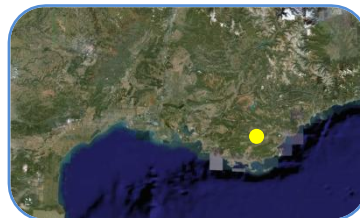
Reference

CHARBONNEL E., BOUDOURESQUE C.F., MEINESZ A., CADIOU G., BONHOMME P., BERNARD G., COTTALORDA J.M., PATRONE J., KRUCZEK R., BERTRANDY M.C., FORET P., BRICOUT P., MARRO C., LE DIREAC'H L., 2003. Le Réseau de Surveillance Posidonies de la Région Provence-Alpes-Côte d'Azur : résultats de suivi 2002. Région PACA / Agence de l'Eau RMC / GIS Posidonie / SM 13 / DDE 83 / Conseil Général 06. GIS Posidonie publ., Marseille, Fr. : 1-176

Location

France, Provence-Alpes-Côte d'Azur, Var, île de Porquerolles, plage d'Argent

GPS Coordinates : N 43° 0'22.07"
E 6°11'15.46"



Date of achievement

2002

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Aerial photography dated from September 2002

Copyright

Other

Map

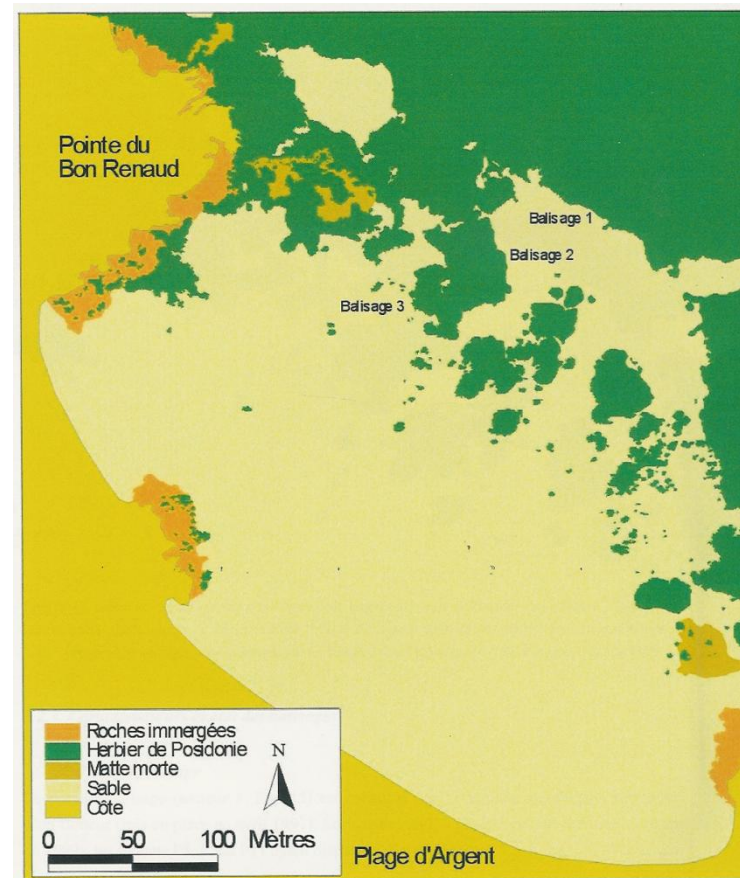


Figure 14. Cartographie en 2002 de l'herbier de Posidonie et des principaux types de fonds du site de Porquerolles (plage d'Argent) étudié en limite supérieure. La localisation des trois balisages, installés en 1991, 1994 et 1996 est indiquée. Cette carte a été établie à partir de la campagne de photographies aériennes réalisée le 30 septembre 2002 (Société Aériale) et traitée par SIG (? GIS Posidonie, G. Cadiou).

Sheet Map FR.PORT.001

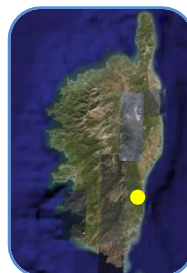
Reference

PERGENT G., CLABAUT P., MIMAUULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133

Location

France, Corse, East coast, Porto-Vecchio gulf, East de l'étang d'Arje

GPS Coordinates : N 41°35'45.45"
E 9°20'32.14"



Date of achievement

July 2005

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

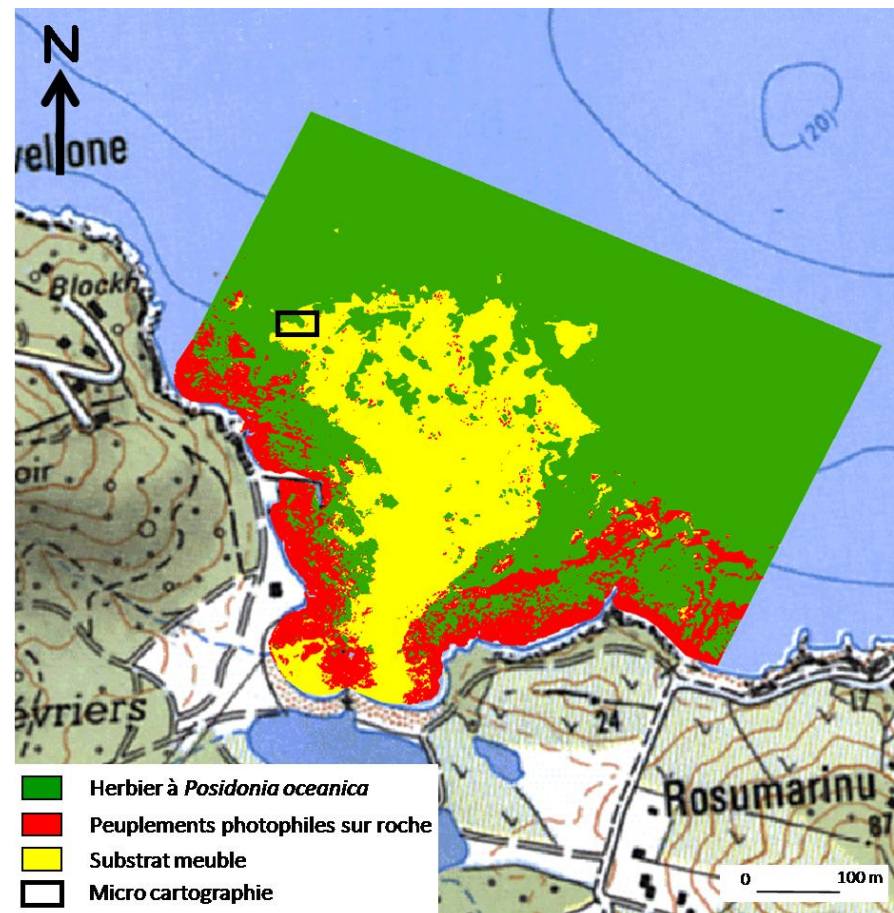
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2005
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.PRTI.001

Reference

PERGENT G., CLABAUT P., MIMAUULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133

Location

France, Corsica, West coast, Ajaccio gulf, Porticcio

GPS Coordinates : N 41°52'49.49"
E 8°46'41.64"



Date of achievement

July 2005

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

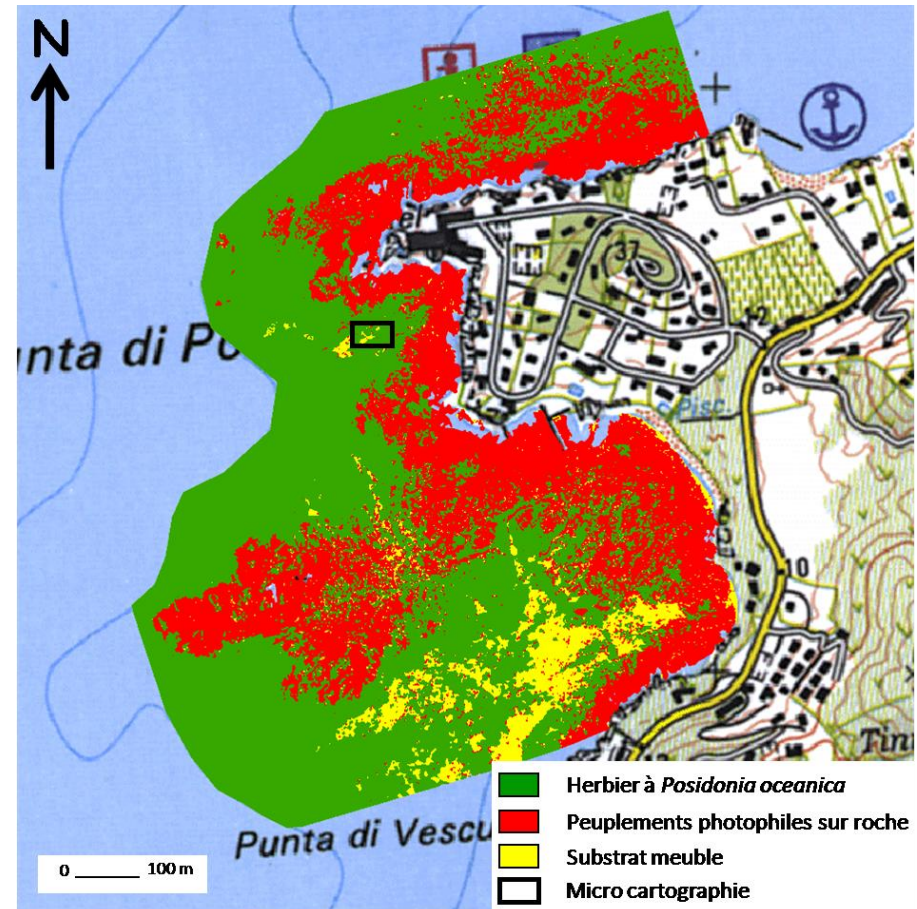
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2005
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.ROCC.001

Reference

PERGENT G., CLABAUT P., MIMAUULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133

Location

France, Corsica, West coast, Roccapina gulf

GPS Coordinates : N 41°29'35.05"
E 8°56'1.19"



Date of achievement

August 2005

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

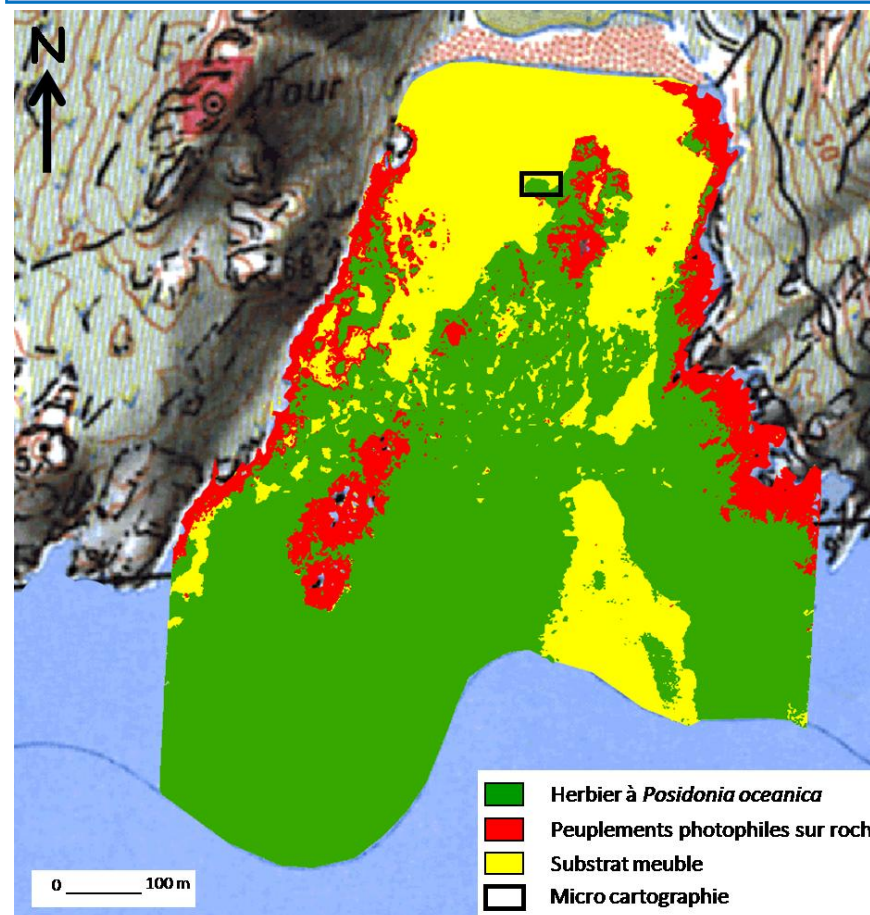
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2005
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.ROND.001

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, East coast, Rondinara gulf

GPS Coordinates : N 41°28'11.97"
E 9°16'12.09"



Date of achievement

May 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving, apnea and transects)

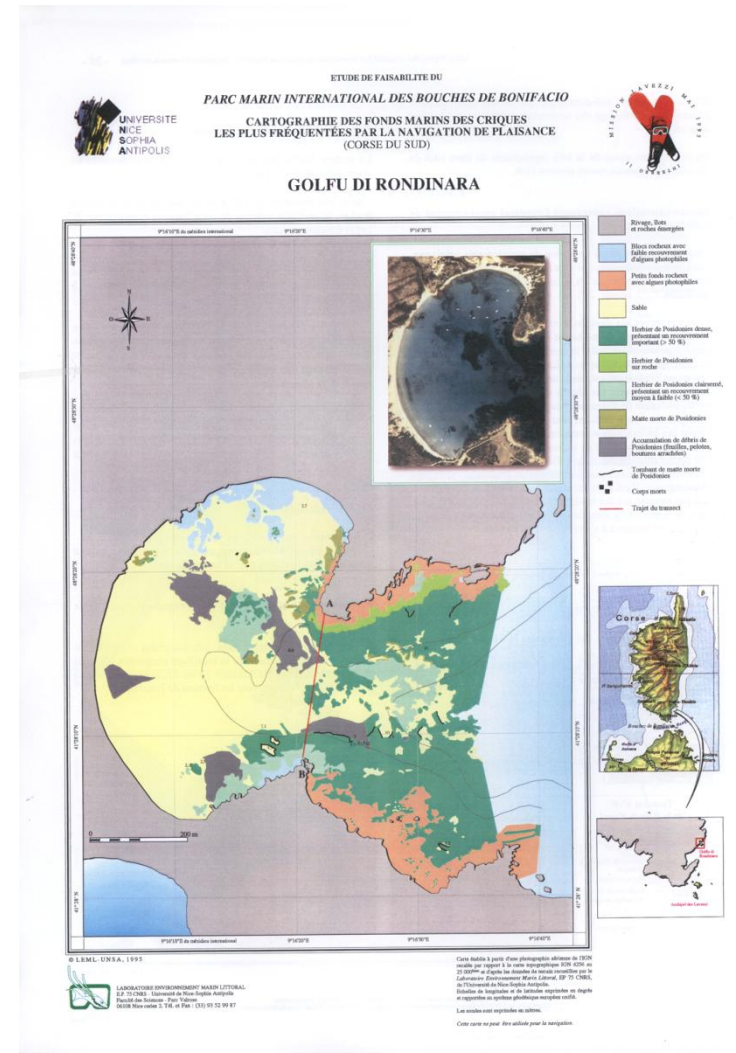
Size and accuracy

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.ROUE.001

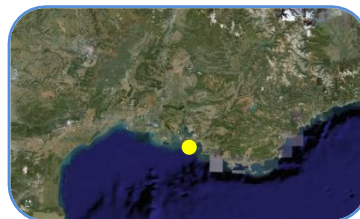
Reference

PERGENT G., 1991. L'anse du Rouet (Côte Bleue, Bouches-du-Rhône) Types de fonds – Peuplements – Aménagements. GIS Posidonie Edit. : 1-16

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, Le Rouet

GPS Coordinates : N 43°19'54.55"
E 5°10'30.88"



Date of achievement

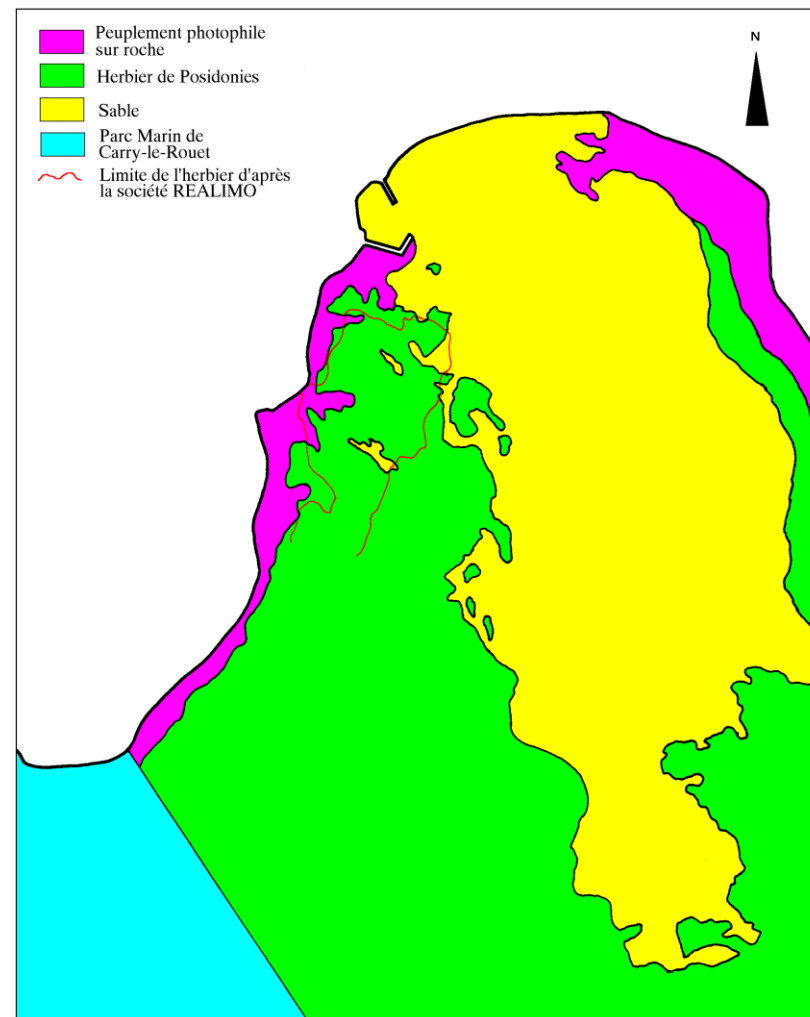
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map FR.SAGO.001

Reference

JAVEL F., 2007. Commune de Vico. Etude et cartographie des peuplements marins de la baie de Sagone. Safège : 1-43 + annexes

Location

France, Corsica, West coast, Sagone bay

GPS Coordinates : N 42° 6'38.82"
E 8°41'43.36"



Date of achievement

2007

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Lateral sonar
DIVA Method (Détection et Inspection Verticale Acoustique)

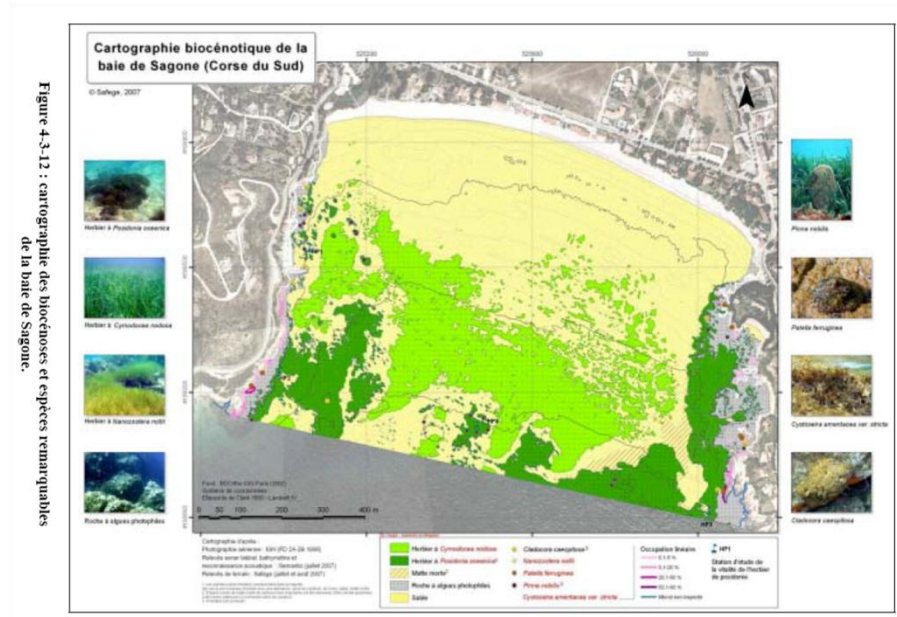
Size and accuracy

Aerial photography from 1996

Copyright

Other

Map



Sheet Map FR.SAIN.001

Reference

BOUDOURESQUE C.F., MEINESZ A., LEFEBVRE J.R., 1984. Etude et cartographie du récif de Posidonies de Saint-Florent (Haute Corse). Rapp. Contrat D.R.A.E. Ajaccio, Univ. Aix-Marseille II - Univ. Nice, Fr. : 1-27

Location

France, Corsica, West coast, Saint Florent gulf

GPS Coordinates : N 42°40'35.29"
E 9°17'23.34"



Date of achievement

July 1983

Methods

Photo interpretation from aerial photography
Data field (scuba diving and transects)

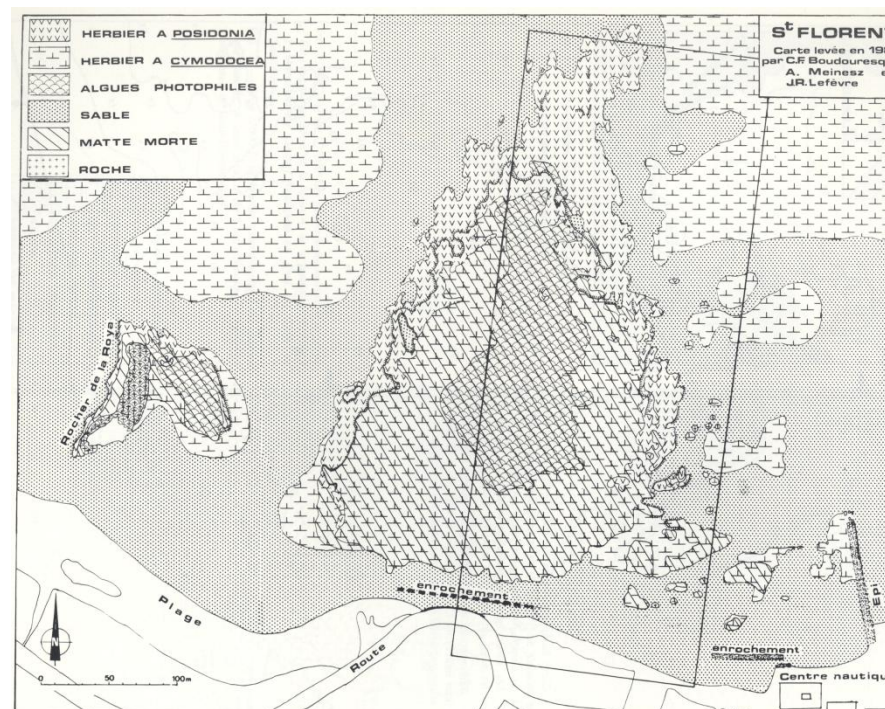
Size and accuracy

Map scale 1/3 000

Copyright

Other

Map



Sheet Map FR.SAIN.002

Reference

BOUDOURESQUE C.F., MEINESZ A., LEFEVRE J.R., 1984. Etude et cartographie du récif de Posidonies de Saint-Florent (Haute Corse). Rapp. Contrat D.R.A.E. Ajaccio, Univ. Aix-Marseille II - Univ. Nice, Fr. : 1-27

Location

France, Corsica, West coast, Saint Florent gulf

GPS Coordinates : N 42°40'35.29"
E 9°17'23.34"



Date of achievement

July 1983

Methods

Photo interpretation from aerial photography
Data field (scuba diving and transects)

Size and accuracy

Map scale 1/2 000

Copyright

Other

Map



	HERBIER A POSIDONIA
	MATTE MORTE
	HERBIER A CYMODOCEA
	ALGUES PHOTOPHILES
	ZOSTERA NOLTII
	CAULERPA PROLIFERA
	SABLE
	REBORD DE MATTE

Sheet Map FR.SAIN.003

Reference

PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 1995. Etude de la formation récifale de St-Florent (Haute-Corse) Cartographie et évolution. Contrat DIREN/GIS Posidonie, GIS Posidonie - Centre de Corse édit., Fr. : 1-49

Location

France, Corsica, West coast, Saint Florent gulf

GPS Coordinates : N 42°40'35.29"
E 9°17'23.34"



Date of achievement

1994-1995

Methods

Photo interpretation from aerial photography
Data-field(scuba diving and transects)

Size et précision

Coloured aerial photography, scale 1/20 000 dated from May 1994

Copyright

Other

Map

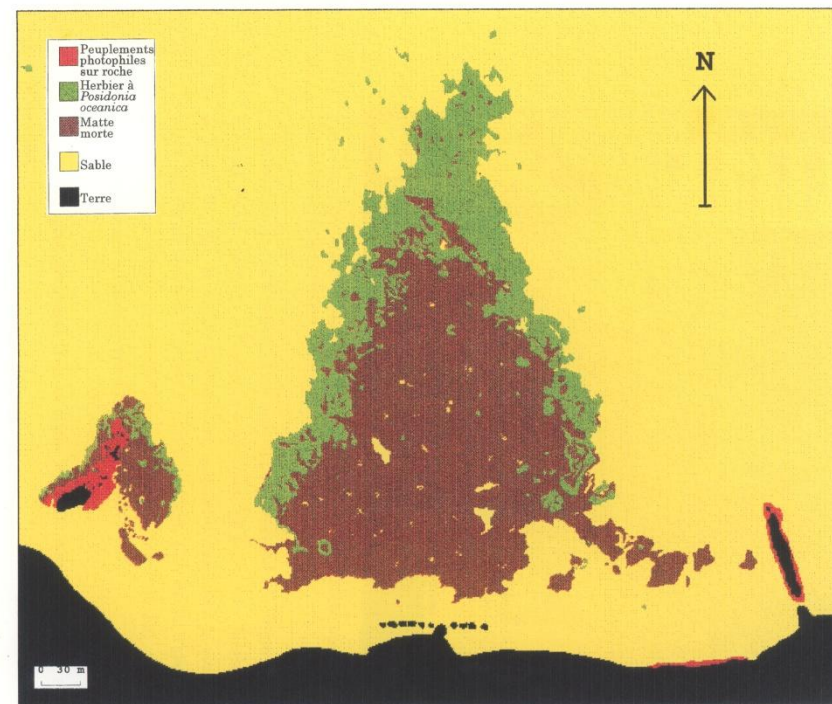


Figure 14 : Carte de synthèse de la localisation des peuplements et types de fonds au niveau de la formation récifale de St-Florent.

Sheet Map FR.SAIN.004

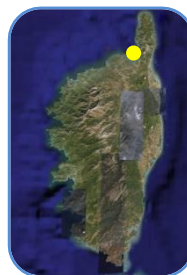
Reference

PERGENT G., LEONARDINI R., MIMAUULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 – 141

Location

France, Corsica, West coast, Saint Florent gulf

GPS Coordinates : N 42°40'35.29"
E 9°17'23.34"



Date of achievement

May 2006

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

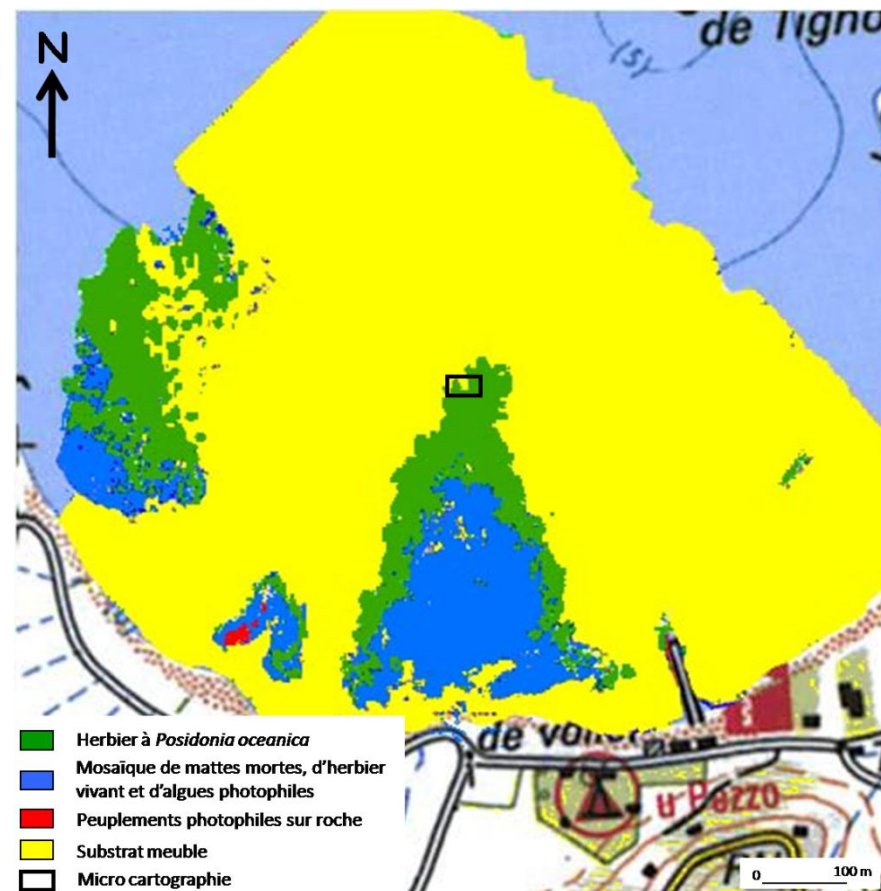
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2006
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.SCIU.001

Reference

PERGENT G., PERGENT-MARTINI C., MIMAUULT B., PASQUALINI V., 2002. Impacts et tracés potentiels d'un câble d'alimentation électrique entre la Corse et la Sardaigne : Expertise biologique. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-31 + annexes

Location

France, Corsica, extreme South, Sciumara cove

GPS Coordinates : N 41°21'56.68"
E 9°11'49.83"



Date of achievement

August 2002

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Bibliographic Synthesis from the document :

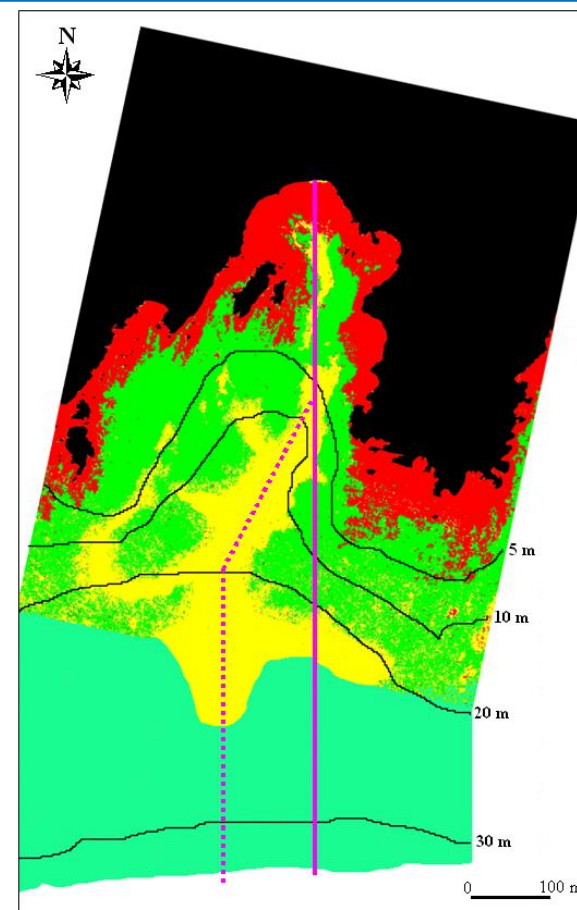
PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

Size et accuracy

Copyright

Other

Map



Légende

- | | |
|-----------------------------------|-----------------------------------|
| Peuplements photophiles sur roche | Câble SACOI |
| Terre | Tracé optimisé du câble SACOI |
| Sable | Herbier de Posidonies superficiel |
| Herbier de Posidonies profond | |

Sheet Map FR.SCIU.002

Reference

PERGENT G., PERGENT-MARTINI C., PASQUALINI V., 2003. Mise en place d'un câble sous-marin dans la Cala Sciumara : Incidence des travaux et propositions pour réduire les impacts sur le milieu naturel. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-22

Location

France, Corsica, extreme South, Sciumara cove

GPS Coordinates : N 41°21'56.68"
E 9°11'49.83"



Date of achievement

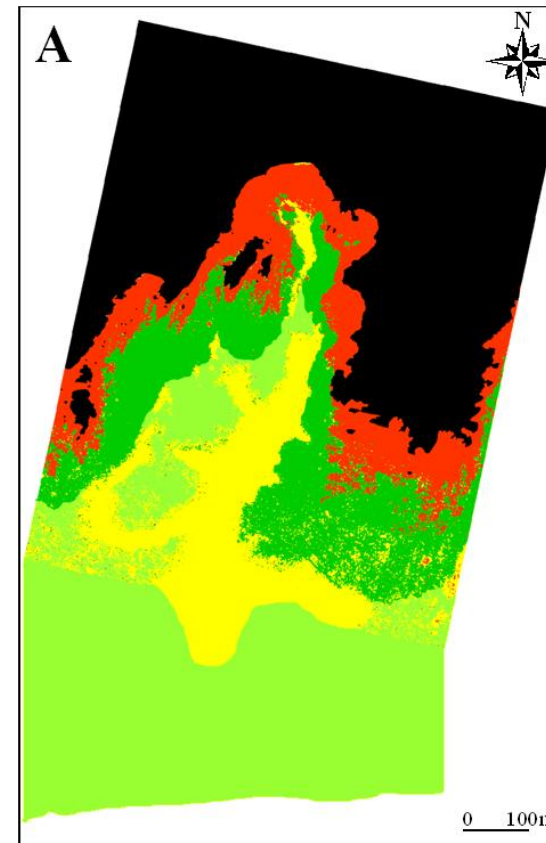
Methods

Taille et précision

Copyright

Other

Map



- Terre
- Peuplement photophile sur roche
- Sable immergé
- Herbier de Posidonies sur roche
- Herbier de Posidonies sur mat

Sheet Map FR.SCIU.003

Reference

PERGENT G., CLABAUT P., MIMAUULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133

Location

France, Corsica, extreme South, Sciumara cove

GPS Coordinates : N 41°21'51.34"
E 9°11'38.20"



Date of achievement

July 2005

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

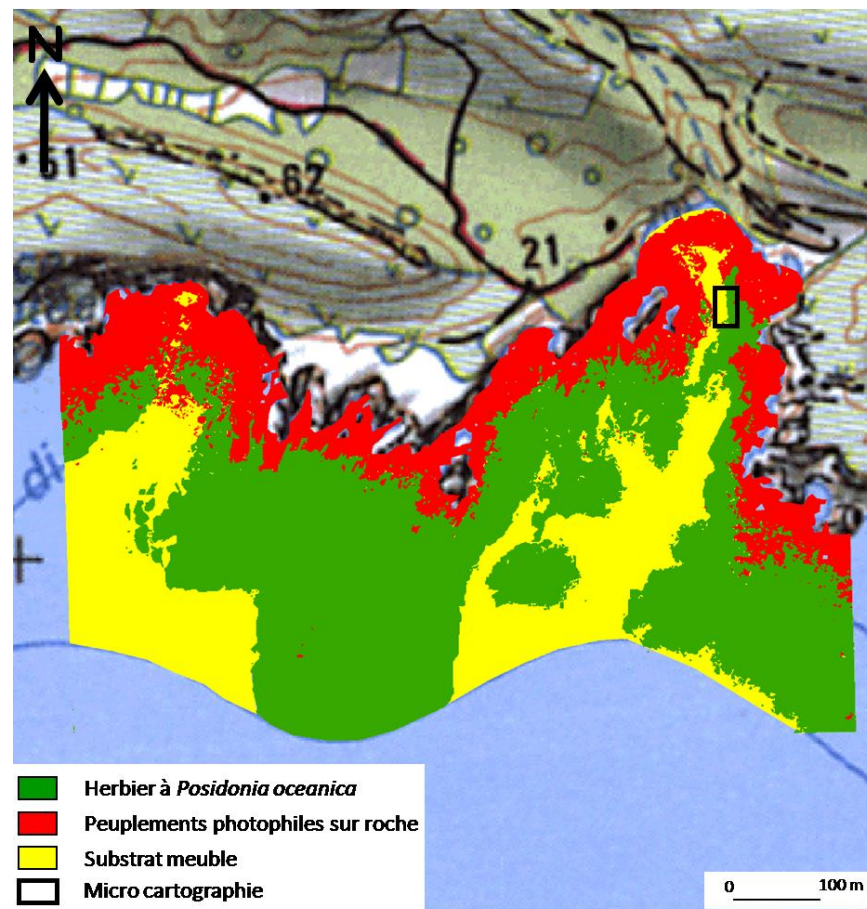
Size and accuracy

Coloured aerial photography, scale 1/5 000 and dated May 2005
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.SISC.001

Reference

PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-108

Location

France, Corsica, East coast of Cap Corse, marine de Sisco

GPS Coordinates : N 42°48'46.38"
E 9°29'29.80"



Date of achievement

May-July 2004

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

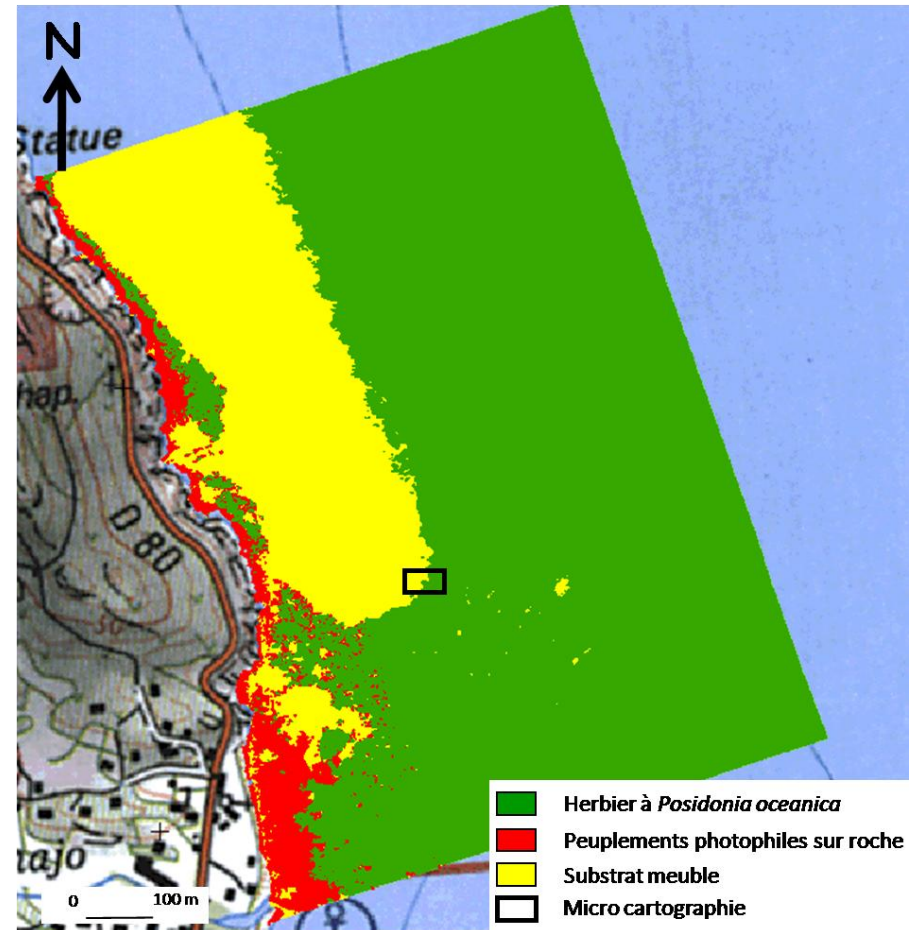
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2004
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.SOLE.001

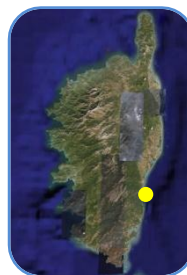
Reference

PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-108

Location

France, Corsica, East coast, Est Solenzara port

GPS Coordinates : N 41°51'34.41"
E 9°24'21.37"



Date of achievement

June 2004

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

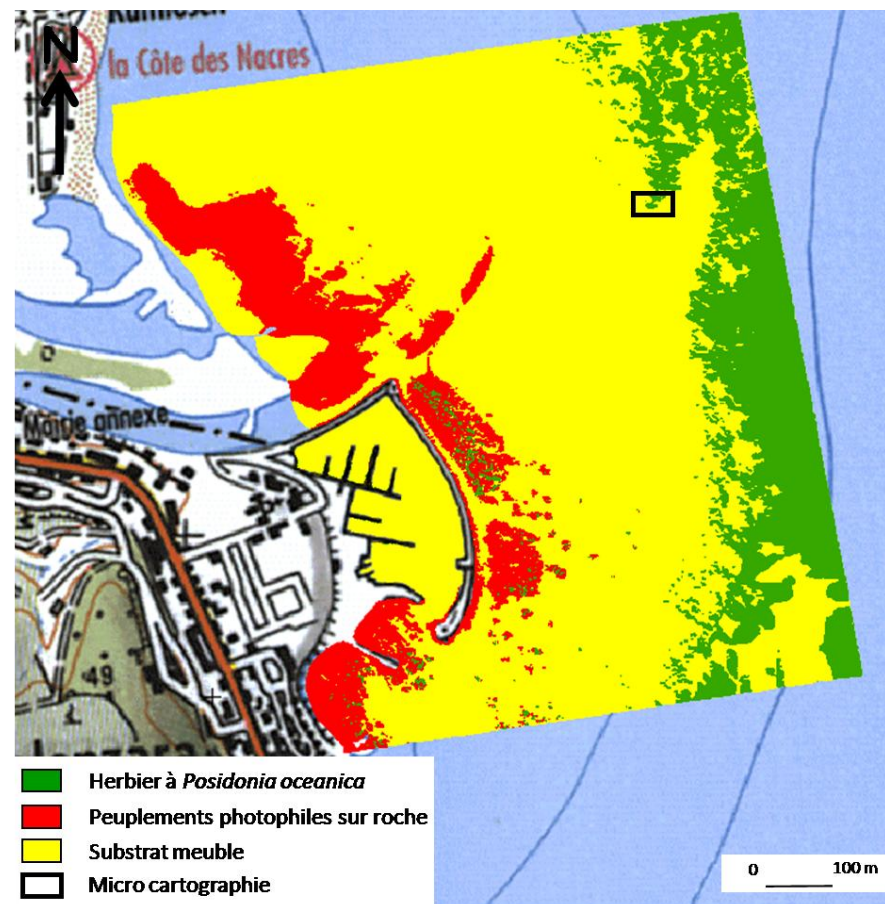
Size and accuracy

Coloured aerial photography, scale 1/5 000 dated from May 2004
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.SOLE.002

Reference

CREOCEAN, 2008. Commune de Sari-Solenzara. Mise en sécurité et extension du port de plaisance de Solenzara. Phase 1 : Reconnaissance du milieu marin : 1-124

Location

France, Corsica, East coast, Est Solenzara port
GPS Coordinates : N 41°51'34.41"
E 9°24'21.37"



Date of achievement

Methods

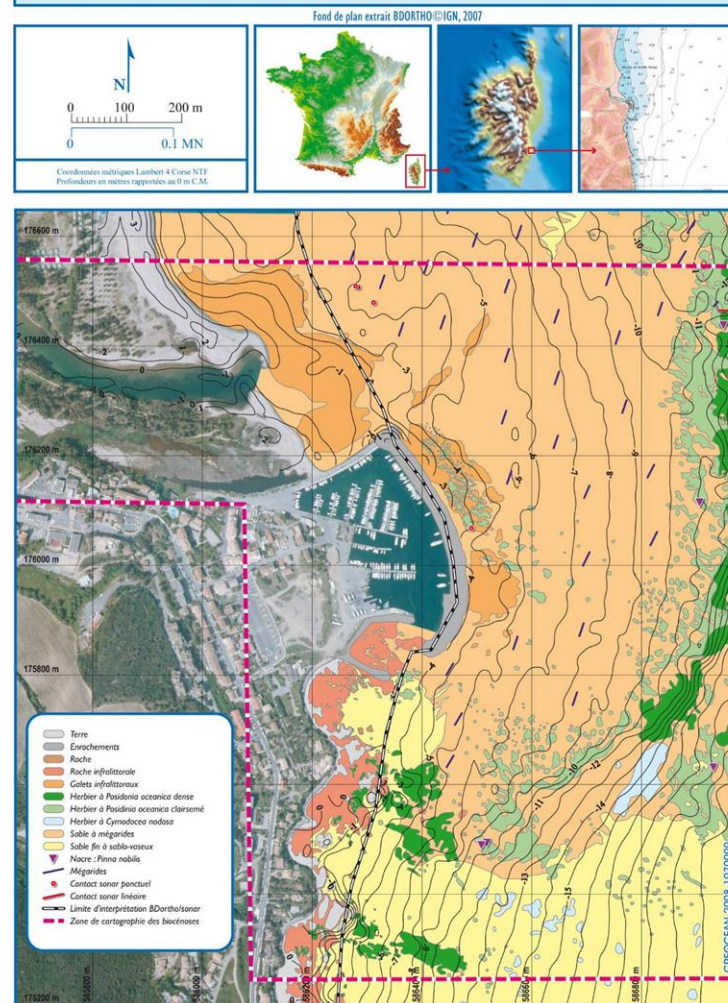
Size and accuracy

Copyright

Other

Map

SOLENZARA - CARTOGRAPHIE DES BIOCÉNOSES MARINES À PROXIMITÉ DU PORT DE PLAISANCE



Sheet Map FR.SPER.001

Reference

PERGENT G., PERGENT-MARTINI C., MIMAUULT B., PASQUALINI V., 2002. Impacts et tracés potentiels d'un câble d'alimentation électrique entre la Corse et la Sardaigne : Expertise biologique. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-31 + annexes

Location

France, Corsica, extrme South, Sperone cove

GPS Coordinates : N 41°22'0.49"
E 9°12'50.81"



Date of achievement

August 2002

Methods

Photo interpretation from aerial photography

Data field (scuba diving)

Bibliographic Synthesis from the document :

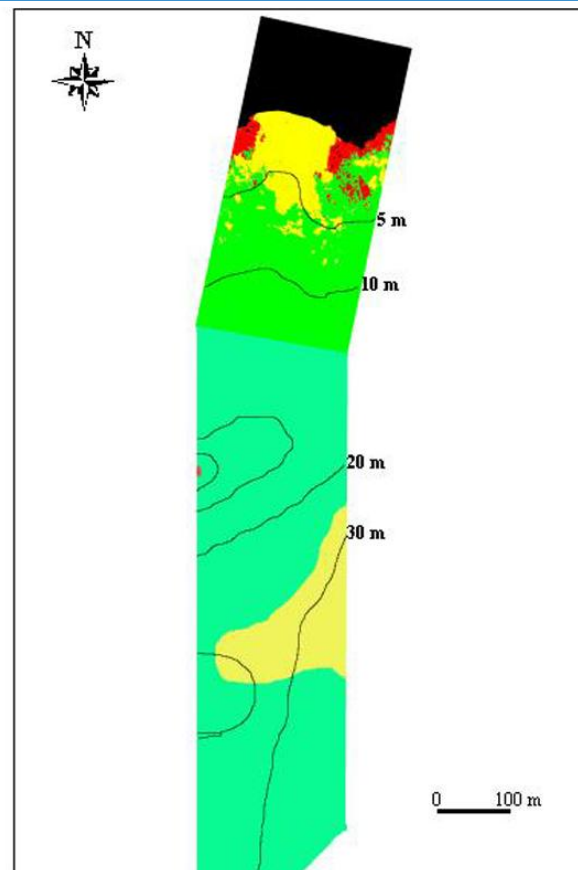
PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. «Ecologie marine», Univ. Corse : 1-165

Taille et précision

Copyright

Other

Map



Légende

- | | |
|-------|-----------------------------------|
| Terre | Peuplements photophiles sur roche |
| Sable | Herbier de Posidonies superficiel |
| | Herbier de Posidonies profond |

Sheet Map FR.STAG.001

Reference

VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41

Location

France, Corsica, West coast, Stagnolu bay

GPS Coordinates : N 41°25'12.64"
E 9° 6'21.90"



Date of achievement

May 1995

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

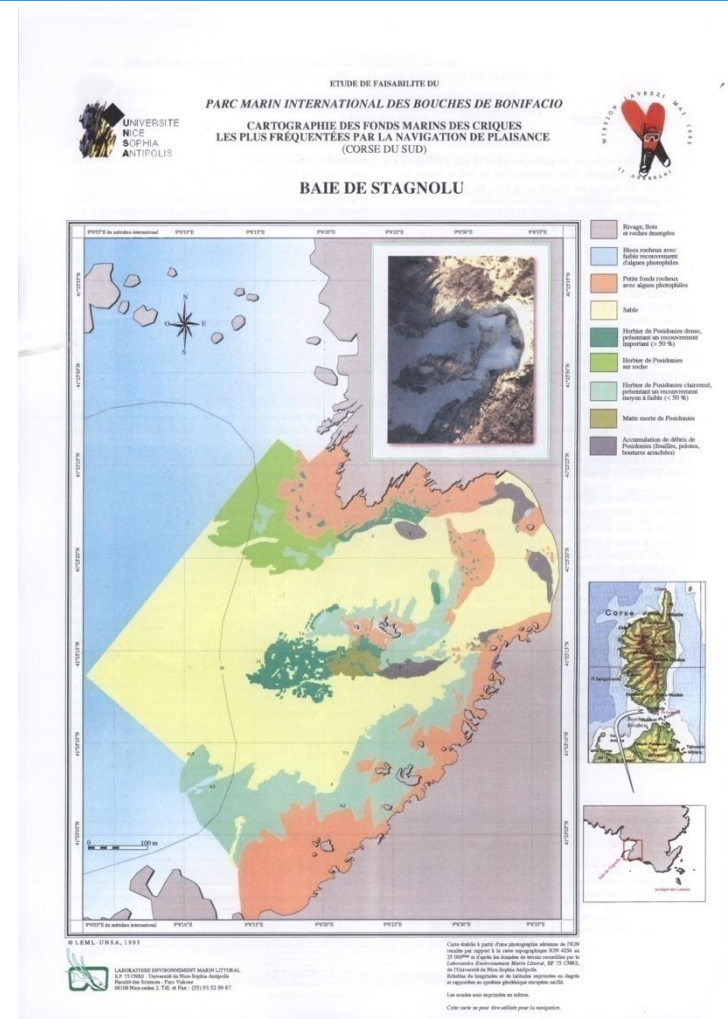
Taille et précision

Aerial photography dated from July 1990

Copyright

Other

Map



Sheet Map FR.TIZZ.001

Reference

FERNANDEZ C., PERGENT-MARTINI C., PASQUALINI V., 1997. Etude de faisabilité d'un mouillage organisé dans la baie de Tizzano - Approche environnementale. Contrat Mairie de Sartène/GIS Posidonie N°9702, GIS Posidonie - Centre de Corse édit., Corte

Location

France, Corsica, West coast, Tizzano bay

GPS Coordinates : N 41°32'31.72"
E 8°50'59.69"



Date of achievement

May 1997

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

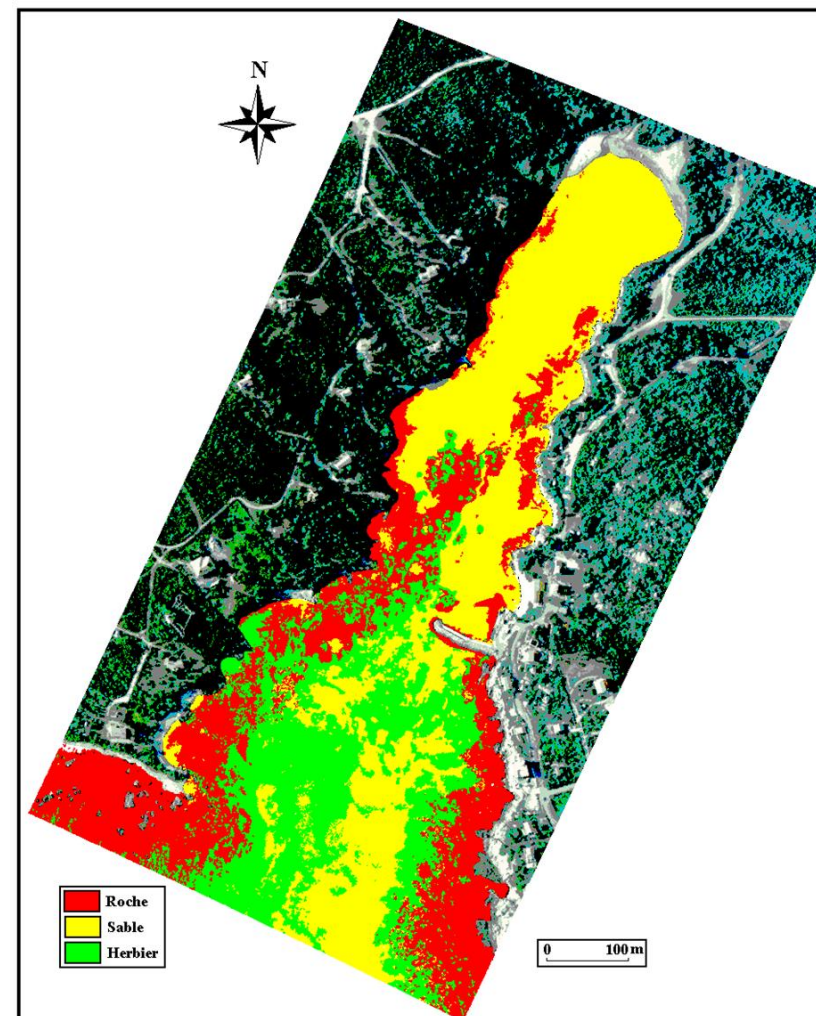
Taille et précision

Coloured aerial photography, scale 1/20 000 of May 1994 and its enlargement to 1/5 000
Photography scan with a pixel of 1 m

Copyright

Other

Map



Sheet Map FR.TOGA.001

Reference

STARESO, 1997. Etude du milieu marin en vue du rejet des déblais de dragage du port de commerce de Bastia, Notice d'impact : 1-25

Location

France, Corsica, East coast, Bastia, port de Toga

GPS Coordinates : N 42°42'8.02"
E 9°27'32.00"



Date of achievement

Methods

Photo interpretation from aerial photography
Lateral balayage Sonar

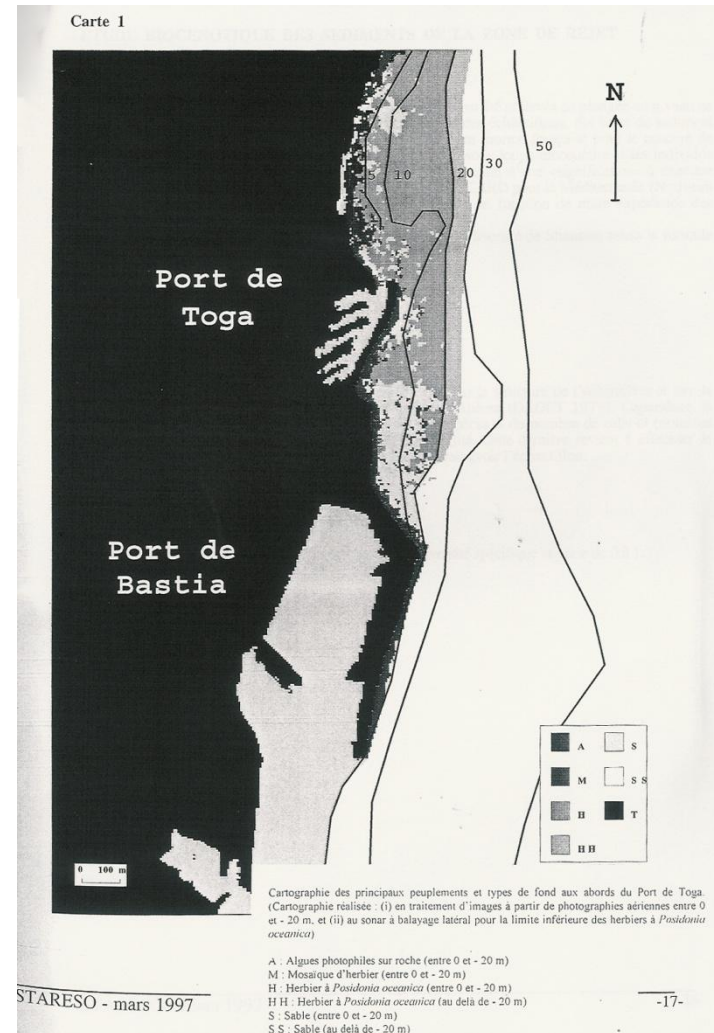
Taille et précision

Aerial photography in black and white

Copyright

Other

Map



Sheet Map FR.URBI.001

Reference

PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., SEGUI C., TOMASZEWSKI J.E., 2000. Les étangs littoraux de Corse : Cartographie des peuplements et types de fonds. Contrat Equipe Ecosystèmes Littoraux - Université de Corse & IFREMER, N° 99 3 514004 : 1-33

Location

France, Corsica, East coast, Urbinu lagoon

GPS Coordinates : N 42°02'53.92"
E 9°28'48.35"



Date of achievement

June 1999 and June 2000

Methods

Photo interpretation from aerial photography
Data field (scuba diving and observations from the surface through a bucket of Calfat)

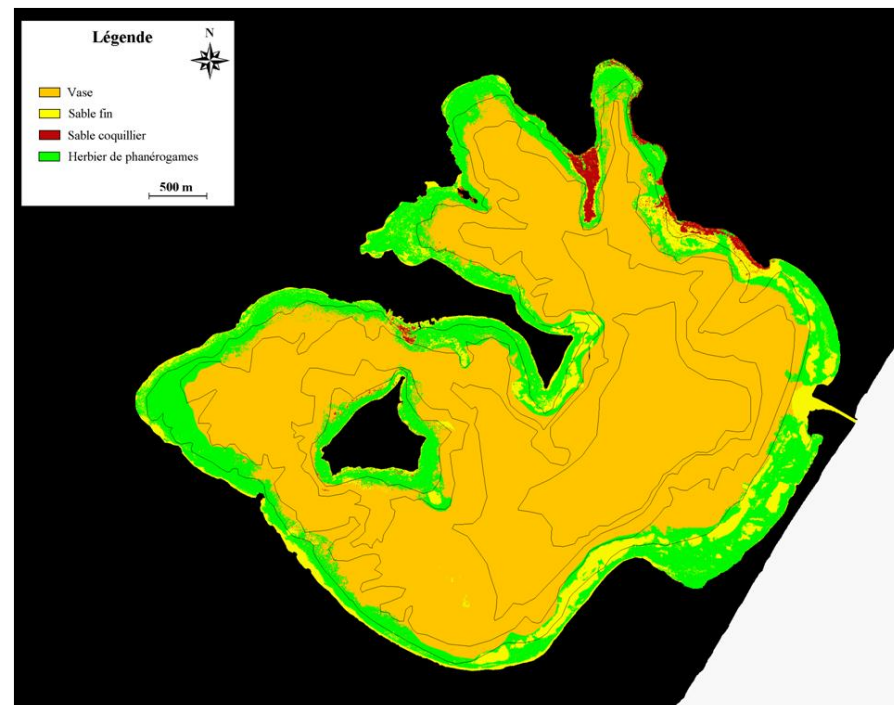
Size et précision

760 ha
Coloured aerial photography, scale 1/10 000 dated from June 1999
Photography scan with a pixel of 2 m

Copyright

Other

Map



Sheet Map FR.VERT.001

Reference

CHARBONNEL E., FRANCOUR P., 1994. Cartographie des fonds et de l'herbier à *Posidonia oceanica* entre la calanque du Mugel et l'île verte (La Ciotat) pour le passage d'une canalisation d'alimentation en eau de l'île verte. Contrat ADES-Conseil Général des Bouches-du- Rhône & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-65

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, La Ciotat, passe de l'île Verte

GPS Coordinates : N 43° 9'46.05"
E 5°36'42.13"



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving and transects)

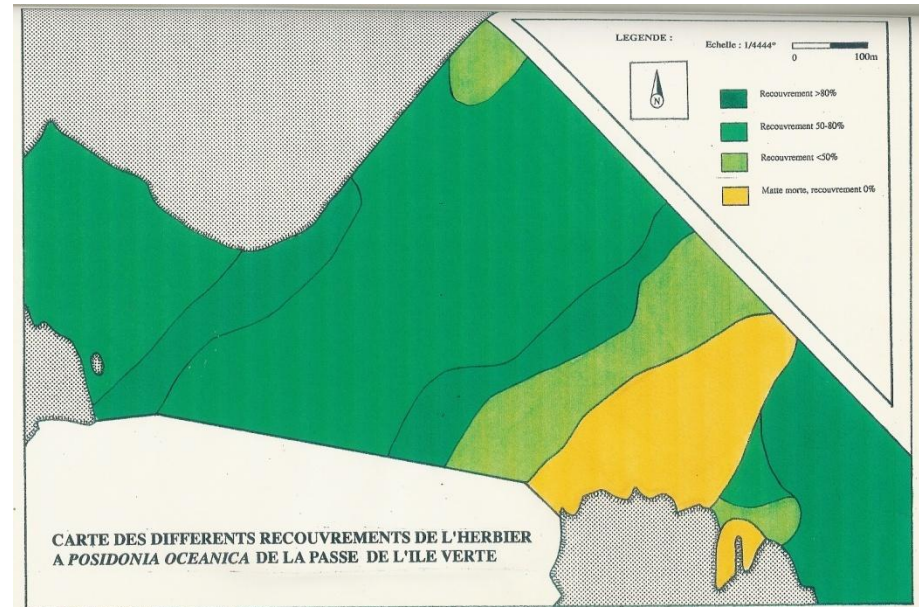
Size and accuracy

Aerial photography, scale 1/8 259 and 1/10 386 dated from 1988 and from 1990

Copyright

Other

Map



Sheet Map FR.VERT.002

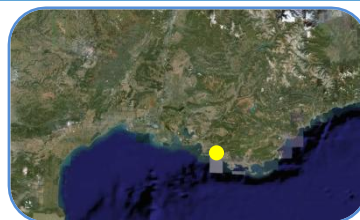
Reference

CHARBONNEL E., FRANCOUR P., 1994. Cartographie des fonds et de l'herbier à *Posidonia oceanica* entre la calanque du Mugel et l'île verte (La Ciotat) pour le passage d'une canalisation d'alimentation en eau de l'île verte. Contrat ADES-Conseil Général des Bouches-du- Rhône & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-65

Location

France, Provence-Alpes-Côte d'Azur, Bouches-du-Rhône, île Verte, Calanque de Saint Pierre

GPS Coordinates : N 43° 9'45.41"
E 5°37'2.92 "



Date of achievement

Methods

Photo interpretation from aerial photography
Data field (scuba diving and transects)

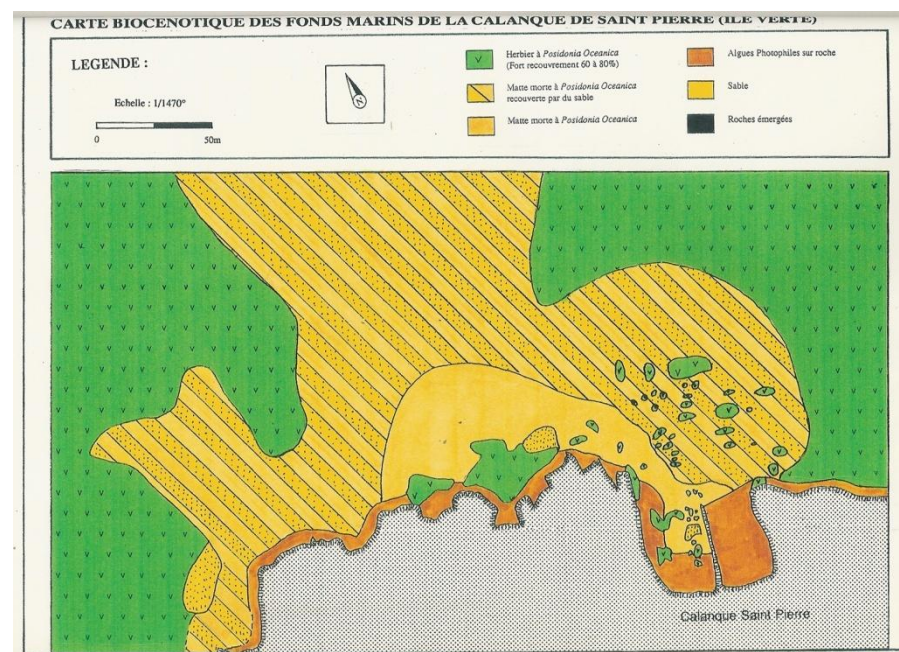
Size and accuracy

Aerial photography, scale 1/8 259 and 1/10 386, dated from 1988 and from 1990

Copyright

Other

Map



Greece

Reference	Map Code	GIS
ALIANI S., BIANCHI C. N., COCITO S., DANDO. P. R., MELONI R., MORRI C., NIEMEYER A., PEIRANO A., ZIEBIS W., 1998. A map of seagrass meadows in Palaeochori Bay (Milos Island, Greece), a marine area with hydrothermal activity. Rapp. Comm. int. Mer. Médit., 35 : 512-513	GR.PALE.001	✓
HARITONIDIS S., DIAPOULIS A., NIKOLAIDIS G., 1990. First results on the localisation of the herbiers of marine phanerogams in the gulf of Thermaikos. Posidonia Newsletter, 3(2) : 11-18	GR.THER.001	✗
	GR.THER.002	✓
MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001	GR.ADVI.001	✓
	GR.AFIT.001	✓
	GR.AGIO.001	✓
	GR.AMOR.001	✓
	GR.ANTI.001	✓
	GR.APAL.001	✓
	GR.ASFE.001	✓
	GR.ASTA.001	✓
	GR.ASTY.001	✓
	GR.CHIO.001	✓
	GR.DESP.001	✓
	GR.ELAF.001	✓
	GR.FOLE.001	✓
GR.GRAN.002	✓	

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001	GR.IKAR.001	✓
	GR.IRAK.001	✓
	GR.KAFI.001	✓
	GR.KALO.001	✓
	GR.KANA.001	✓
	GR.KARP.001	✓
	GR.KASO.001	✓
	GR.KEFA.001	✓
	GR.KERA.001	✓
	GR.KERK.001	✓
	GR.KIMA.001	✓
	GR.KLOG.001	✓
	GR.KOUF.001	✓
	GR.KOUK.002	✓
	GR.KYPA.001	✓
	GR.KYTH.001	✓
	GR.LESV.001	✓
GR.LESV.002	✓	
GR.LEUK.001	✓	

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001	GR.LICH.001	✓
	GR.LIMN.001	✓
	GR.LIVA.001	✓
	GR.MEGA.001	✓
	GR.MEGI.001	✓
	GR.METH.001	✓
	GR.MILO.001	✓
	GR.MONO.001	✓
	GR.NISS.001	✓
	GR.ORMO.001	✓
	GR.PARG.001	✓
	GR.PATA.001	✓
	GR.PEFK.001	✓
	GR.PERA.001	✓
	GR.PLAT.001	✓
	GR.POLY.001	✓
	GR.POUR.001	✓
GR.RETH.001	✓	
GR.SAMO.001	✓	

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001	GR.SANI.001 GR.SARI.001 GR.SHIN.001 GR.SIFN.001 GR.SKAL.001 GR.SOUG.001 GR.SOUN.001 GR.SPOR.001 GR.THAS.001 GR.THAS.002 GR.THER.003 GR.TING.001 GR.VOUX.001 GR.VRAV.001 GR.ZAKY.003	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
PERGENT G., PASQUALINI V., PERGENT-MARTINI C., SKOUFAS G., SOURBES L., TSIRIKA A., 2003. Caractérisation des herbiers à <i>Posidonia oceanica</i> dans le Parc marin national de Zakynthos (Grèce). Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Seagrass 2000 : 1-54	GR.ZAKY.001 GR.ZAKY.002	✓ ✗
SIAKAVARA K., VALAVANIS V., BANKS A.C., 2000. Mapping of Natura 2000 seagrass habitats using remote sensing techniques. Actes du premier symposium méditerranéen sur la végétation marine (Ajaccio, 3-4 octobre 2000). <i>Mednature 1</i> : 186-190	GR.GRAN.001	✗
TSIRIKA A., CHRISOPOLITOU V., HARITONIDIS S., 2001. Preliminary results of mapping of the coastal and halophytic habitattypes (Directive 92/43/eec) in the gulf of Koukounaries (Skiathos, North Aegean Sea). Réun. Commiss. internation. Explor. sci. Médit., 36 : 423	GR.KOUK.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map GR.ADVI.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Anatoliki Makedonia, Xanthi and Rodopi, between Advira and Imeros



GPS Coordinates : N 40°56'23.84"
E 25° 7'31.99"

Date of achievement

Methods

Size and accuracy

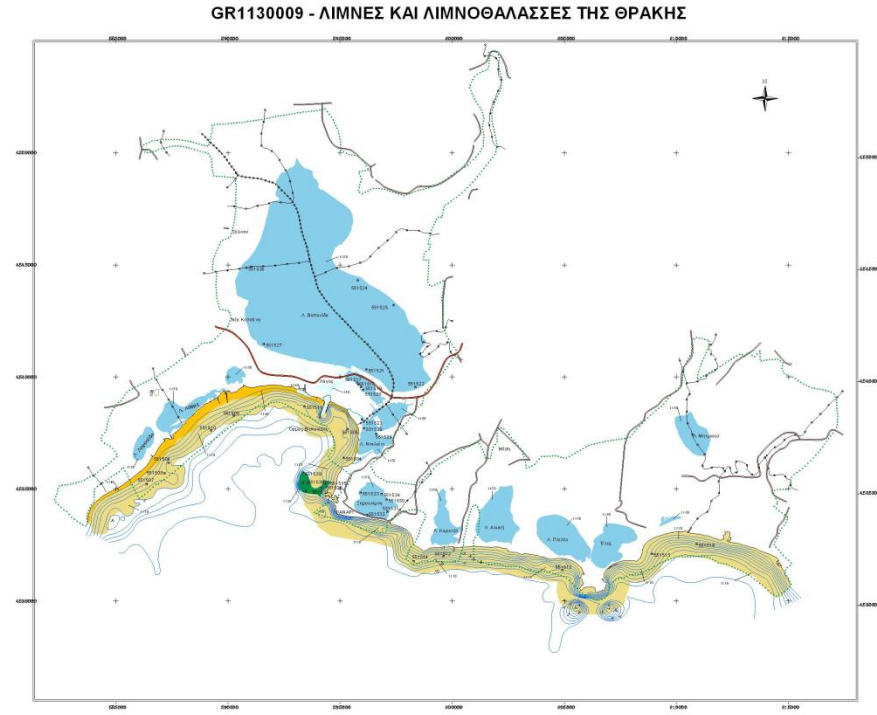
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



ΥΠΕΥΘΥΝΟΣ ΕΡΓΟ: ΕΡΕΥΝΑ - ΥΠΟΠΕΡΙΦΑΡΜΑ 3 ΜΕΤΡΩ 1.3 - ΑΝΑΓΡΟΦΗ ΚΑΙ ΠΕΡΙΦΑΡΗ ΤΗΣ ΤΟΥΤΗΣ ΟΜΟΤΗΤΙΑΣ ΚΑΙ ΠΕΡΙΩΧΩΝ ΒΑΘΥΜΕΤΡΗΣΗΣ ΤΗΣ ΚΥΡΙΑΣ ΜΕΤΕΩΣΗΣ		
Πρωτεύς Μάστρας: GR1130009 - ΛΙΜΝΕΣ ΚΑΙ ΛΙΜΝΟΘΑΛΑΣΣΕΣ ΤΗΣ ΘΡΑΚΗΣ		
Χείρτης Τμήτων Ομοτότητων - ΒΑΘΥΜΕΤΡΙΑΣ (ΕΙΣΚΡΗΝΗ ΔΙΑΣΤΑΣΗ)		
1:75000 Στοιχεία Αναφοράς: ΕΤΣΑ '87		
Ανάθεσις: ΑΝΑΓΡΟΦΙΚΟΣ ΜΗΚΟΣ	Εκτελεστική Υπόθεσις: ΠΑΝΑΓΙΩΤΗΣ ΚΑΙ ΒΑΝΑΓΙΩΤΗΣ Εταιρεία Σ.Α.Ε	
Συντάκτης: ΣΠΗΛΙΩΝΗΣ ΕΠΙΧΕΙΡΗΣΕΩΣ ΚΑΙ ΚΑΤΑΣΤΑΣΕΩΣ ΕΡΓΩΝ Ε.Π.Α.Α.Ε. ΤΙΜΩΤΑ ΕΠΕΛΕΓΜΕΝΑ ΘΕΜΑΤΑ (ΡΑΔΕΙΟΜΕΤΡΙΑ) (MRS) ΜΑΝΤΑΤΑΣΑΚΑΚΙΑ Τμήτων Ο.Ι.Σ.		
Εκδόση και Εξέλιξη: 1 XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX		Ανάθεσις Στοιχείων: ΓΕΩΓΡΑΦΙΚΑ ΣΤΟΙΧΕΙΑ (ΕΤΣΑ '87)
		Στοιχεία Στοιχείων: ΜΟΥΣΙΟΣ ΓΟΥΛΑΝΔΗΣ ΚΑΙ ΣΥΝΕΡΓΑΤΕΣ ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ - ΥΠΟΤΟΠΩΝ
		ΣΗΜΕΙΟΙ 2000

ΥΠΟΘΕΣΙΑ

- Στοιχεία Αναφοράς
- Όριο Ο.Π.
- Όριο Τμήτων
- Όριο Διοίκησης Ανατολικής
- Όριο Γ.Α.Κ.Π.Σ.
- Όριο Α.Α.Κ.Π.Σ.
- Όριο Η.Α.Κ.Π.Σ.
- Όριο Α.Α.Π.Α.Π.
- Όριο Α.Π.Α.Π.
- Όριο Α.Π.Α.Π.
- Όριο Α.Π.Α.Π.
- Όριο Α.Π.Α.Π.

1:18: Αποκλίση της ακτίνας (θωρακισμένη και βαρυσμένη) του έδαφους. Ομοτότητα έδαφους με μέγιστο όριο 10% και 20% για τα υπόλοιπα.

1:19: Αποκλίση του εδάφους (θωρακισμένη και βαρυσμένη) με μέγιστο όριο 10% και 20% για τα υπόλοιπα.

1:20: Αποκλίση του εδάφους (θωρακισμένη και βαρυσμένη) με μέγιστο όριο 10% και 20% για τα υπόλοιπα.

1:21: Αποκλίση του εδάφους (θωρακισμένη και βαρυσμένη) με μέγιστο όριο 10% και 20% για τα υπόλοιπα.



Το Βαθύμετρο είναι ημιαυτόματο, κλίμακα 1:75000, με μέγιστο σφάλμα 5% και 10% για τα υπόλοιπα. Το 1:18 είναι ομοτότητα, με μέγιστο σφάλμα 5% και 10% για τα υπόλοιπα.

Sheet Map GR.AGIO.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Agio Efstratios island

GPS Coordinates : N 39°32'29.48"
E 25° 2'57.52"



Date of achievement

Methods

Size and accuracy

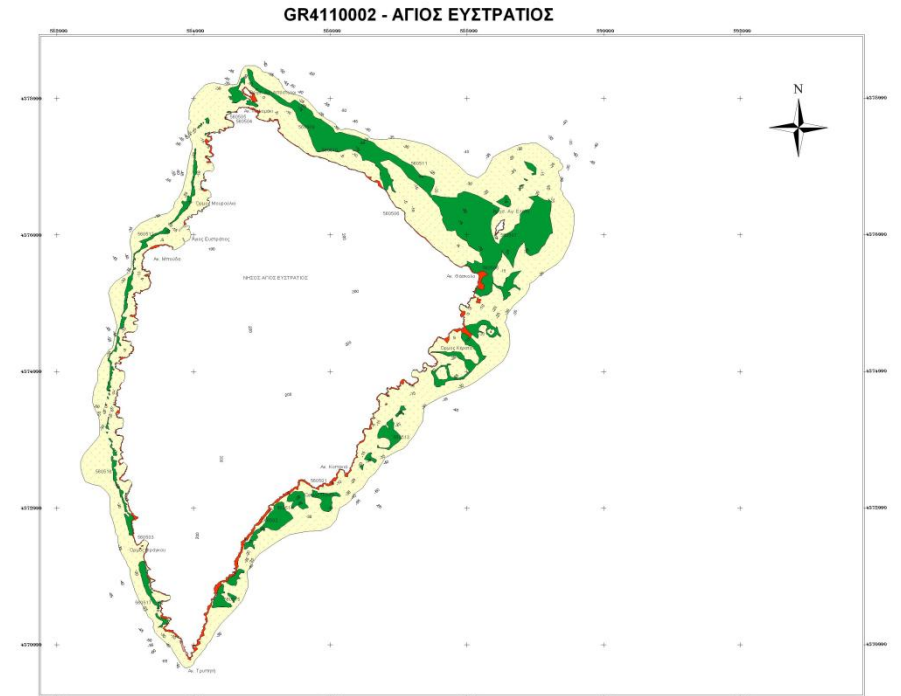
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



ΥΠΕΥΘΥΝΟΣ ΕΡΓΟ: ΕΠΕΡ - ΥΠΕΡΠΡΑΞΙΑ ΣΕΙΤΡΟ 3.3 "ΠΡΟΤΥΠΗ ΚΑΙ ΠΕΡΙΦΡΑΓΗ ΤΩΝ ΤΥΠΩΝ ΟΙΚΟΤΟΠΩΝ ΣΕ ΠΕΡΙΟΧΕΣ ΔΙΑΤΗΡΗΣΗΣ ΤΗΣ ΦΥΣΗΣ" ΜΕΤΕΡΓΩ	
Πρωτεύουσα: GR4110002 - ΑΓΙΟΣ ΕΥΣΤΡΑΤΙΟΣ	
Χάρτης: Τύπων Οικιστών - Βιοκλιματική (Ελεγκτική Διαμετρική)	
1:30000 Σύστημα Αναφοράς: ΕΓΣΑ 87	
Αυτή είναι η ΑΝΑΦΟΡΑ ΤΟΥΣ ΜΗΘΟΔΟΥΣ	Επιχειρησιακή Υπεύθυνος: ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΕΚΣΥΝΕΡΓΕΙΑΣ Ε.Σ.Α.Φ.Ε.
Επιχειρησιακή Υπεύθυνος: ΧΡΗΣΙΜΟΠΟΙΗΣΗ ΜΗΘΟΔΟΥΣ ΧΡΗΣΙΜΟΠΟΙΗΣΗ ΜΗΘΟΔΟΥΣ ΧΡΗΣΙΜΟΠΟΙΗΣΗ ΜΗΘΟΔΟΥΣ	Επιχειρησιακή Υπεύθυνος: ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΕΚΣΥΝΕΡΓΕΙΑΣ Ε.Σ.Α.Φ.Ε. ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΕΚΣΥΝΕΡΓΕΙΑΣ Ε.Σ.Α.Φ.Ε. ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΕΚΣΥΝΕΡΓΕΙΑΣ Ε.Σ.Α.Φ.Ε.
ΔΕΚΕΜΒΡΙΟΣ 2000	

ΥΠΟΜΟΝΗΜΑ	
Σημείο Αναφοράς	1150 Υψόμετρο - Όρειο
Οδός	1150 Υψόμετρο - Όρειο
Ποταμός	1150 Υψόμετρο - Όρειο
Περίγραμμα	1150 Υψόμετρο - Όρειο
1150 Υψόμετρο - Όρειο	1150 Υψόμετρο - Όρειο
1150 Υψόμετρο - Όρειο	1150 Υψόμετρο - Όρειο
1150 Υψόμετρο - Όρειο	1150 Υψόμετρο - Όρειο
1150 Υψόμετρο - Όρειο	1150 Υψόμετρο - Όρειο



Το σχέδιο είναι ημερήσιο. Ημερήσιο
Το σχέδιο είναι ημερήσιο. Ημερήσιο

Sheet Map GR.ANTI.001

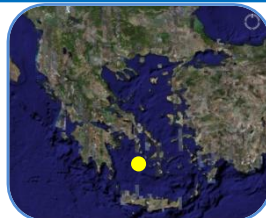
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Antimilos island

GPS Coordinates : N 36°48'25.23"
E 24°13'55.41"



Date of achievement

Methods

Size and accuracy

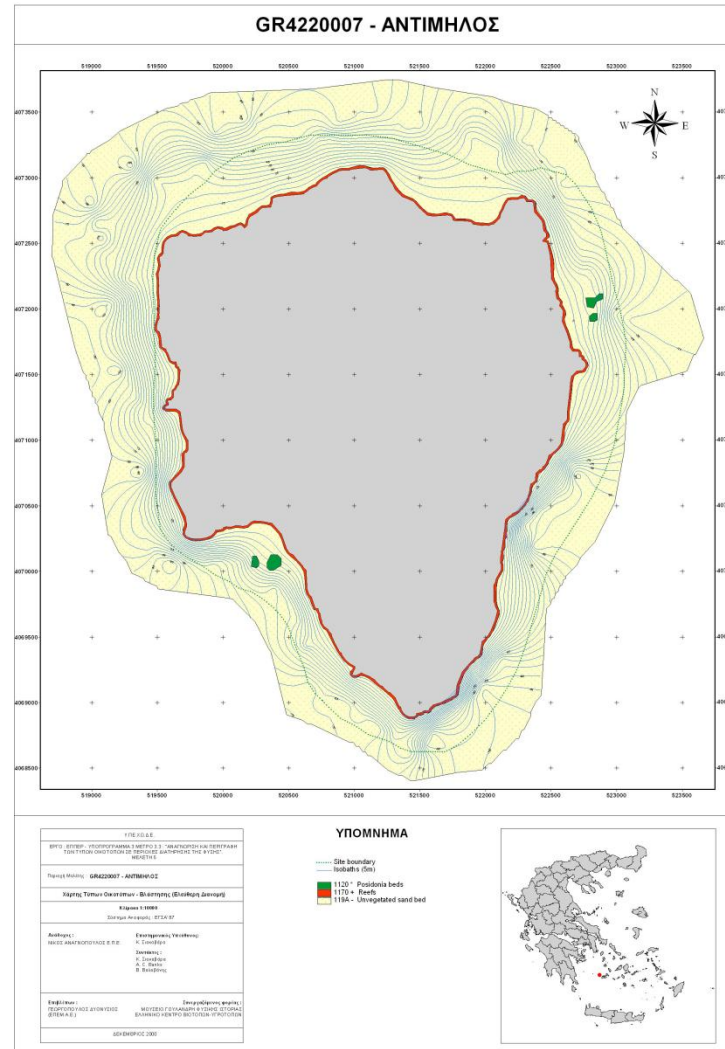
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.APAL.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Anatoliki Makedonia, Evros, Apalos

GPS Coordinates : N 40°49'37.60"
E 25°57'23.29"



Date of achievement

Methods

Size and accuracy

Copyright

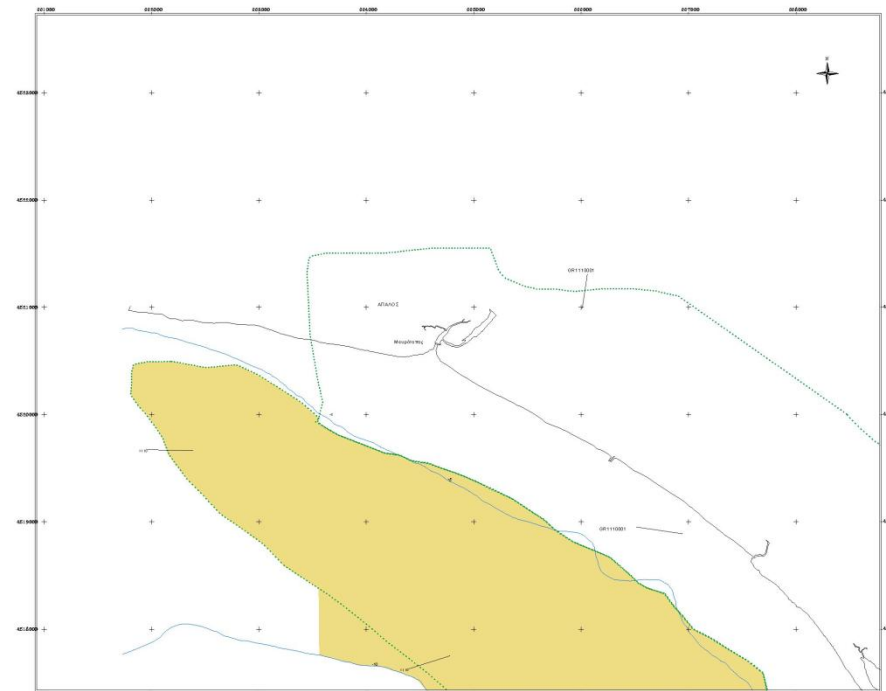
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR1110006 - ΑΠΑΛΟΣ



Υ Ρ Ε Χ Ω Δ Ε	
ΕΡΓΟ: ΕΠΙΘΕΤΟ ΥΠΟΠΡΟΓΡΑΜΜΑ ΣΕ ΠΡΟ 3.3 ΑΝΑΠΡΟΒΛΗΤΗ ΠΡΟΓΡΑΦΗ ΤΩΝ ΥΠΟΠΡΟΓΡΑΜΜΑΤΩΝ ΔΕ ΔΕΙΧΝΟΝΤΕΣ ΤΗΝ ΑΥΤΗΝ ΜΕΛΕΤΗ	
Περιμετρική: GR1110006 - ΑΠΑΛΟΣ	
Χάρτης Τόπων Οικισμών - Βιοτόπων (Εισιέρχεται Διευρύνει)	
1:10000	Επίπεδη Απεικόνιση: ΕΤΑ-87
Αυτή είναι: ΑΝΑΠΡΟΒΛΗΤΟΣ ΜΙΚΡΟΣ	Εκπαιδευτικό Υποβλήθηκε: ΓΕΩΜΟΡΦΟΛΟΓΙΚΟ ΤΟΜΕΑ ΤΗΣ ΕΡΕΥΝΗΣ Ε.Κ.Δ.Ε. Συμπληρώθηκε: ΟΡΓΑΝΙΣΜΟΣ ΣΥΣΤΗΡΙΚΗΣ ΕΡΕΥΝΗΣ, Μ.Α.Α.Ε., ΤΕΧΝΙΚΟ ΣΤΑΤΙΣΤΙΚΟ Γραφείο Υποβλήθηκε, ΗΜΕΡΑ ΜΑΝΤΙΣ ΤΑ ΠΕΛΑΓΙΑ, Τμήμα Ο.Π.Σ.
Εκτύπησε σε Φύλλα: XXXXXX XXXXXX XXXX XXXXXX XXXXXX XXXX	Αυτή είναι Σελίδα: ΓΕΩΜΟΡΦΟΛΟΓΙΑΣ ΔΥΝΑΜΙΚΟΣ ΣΥΜΠΛΗΡΩΣΗ Σελίδα 1
	Συμπληρώθηκε από: ΜΟΝΕΙΟ ΕΥΡΩΠΑΪΚΗΣ ΚΟΙΝΩΝΙΑΣ ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ ΥΠΟΠΡΟΓΡΑΜΜΑ
ΔΕΚΕΜΒΡΙΟΣ 2001	



Το θεμάτιο είναι η πρώτη σελίδα του υποπρόγραμμα 5.

Sheet Map GR.ASFE.001

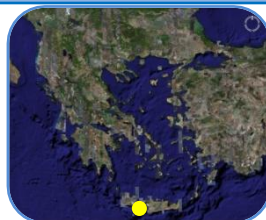
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Creta island, Asfendou region

GPS Coordinates : N 35°10'36.08"
E 24°17'56.64"



Date of achievement

Methods

Size and accuracy

Copyright

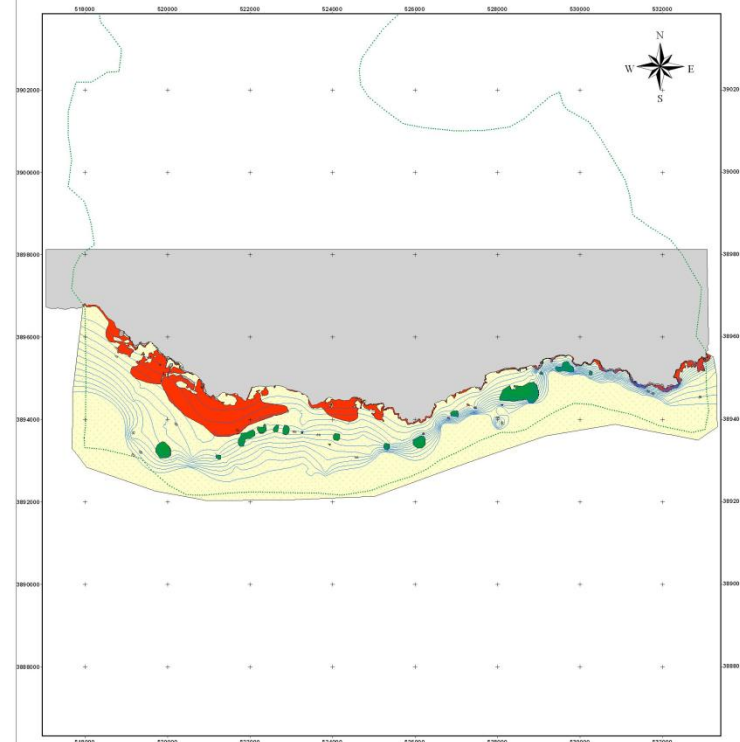
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4340012 - ΑΣΦΕΝΔΟΥ - ΚΑΛΛΙΚΡΑΤΗΣ



ΥΠΟΜΗΜΑ	
.....	Site boundary
.....	Isobaths (5m)
1120*	Posidonia beds
1174*	Sand
117A*	Unvegetated rocky bed (marine ecosystems)
118A*	Unvegetated sand bed



Sheet Map GR.ASTA.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Astakida island, Chamili, Falconera, Makra, Pachia, Syrna, Velopoula and Zafora



Date of achievement

Methods

Size and accuracy

Copyright

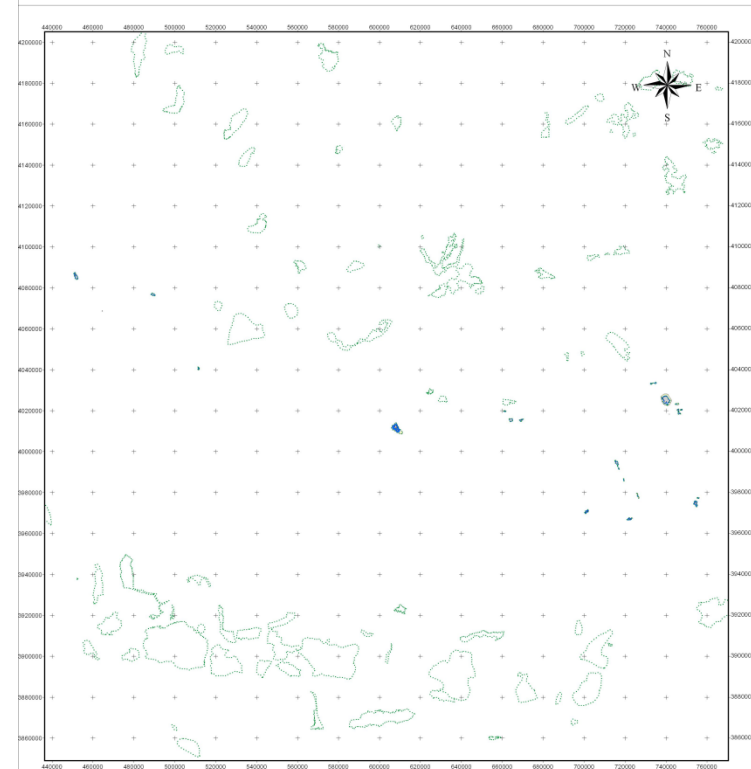
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4210011 - ΒΡΑΧΟΝΗΣΙΑ Ν. ΑΙΓΑΙΟΥ



ΥΠΟΜΝΗΜΑ	
-----	Site boundary
-----	Isobaths (5m)
■	1120 + Posidonia beds
■	1110 + Reefs
■	110A + Unvegetated sand bed
■	110B + Vegetated sand bed

ΥΠΟΜΝΗΜΑ	
-----	Site boundary
-----	Isobaths (5m)
■	1120 + Posidonia beds
■	1110 + Reefs
■	110A + Unvegetated sand bed
■	110B + Vegetated sand bed



Sheet Map GR.ASTY.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, East of Astypalaia island and Ofidoussa island, Pontikoussa, Koutsomyti et Kounoupoi

GPS Coordinates : N 36°36'13.34"
E 26°22'16.10"



Date of achievement

Methods

Size and accuracy

Copyright

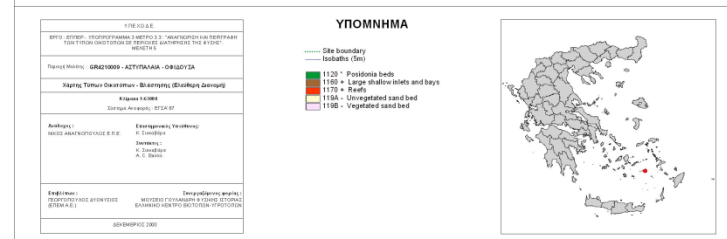
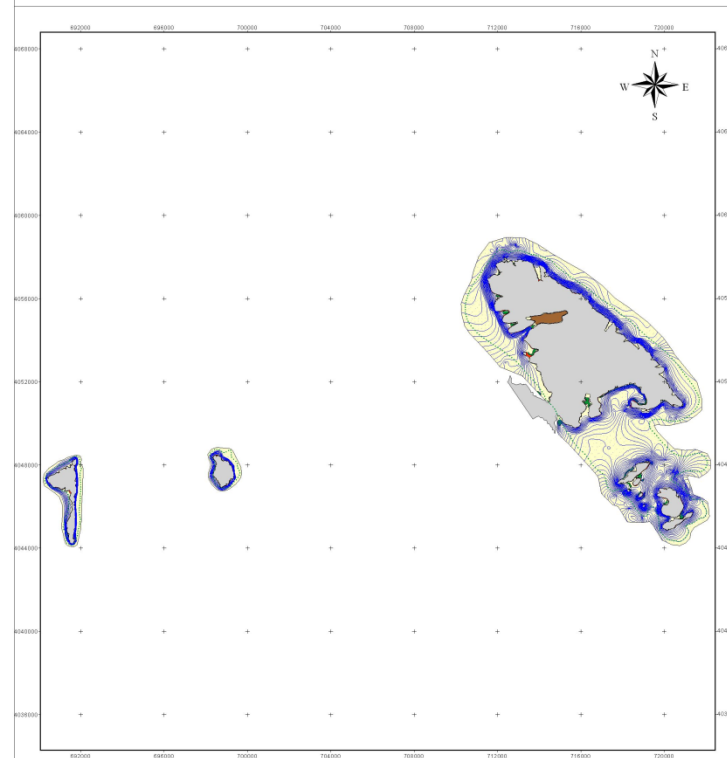
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4210009 - ΑΣΤΥΠΑΛΑΙΑ - ΟΦΙΔΟΥΣΑ



ΥΠΟΜΝΗΜΑ
 ΕΡΓΟ: ΣΤΕΡΕΟ - ΠΡΟΦΥΛΑΞΙΑ ΚΑΙ ΜΕΤΕΚΤΑΣΗ ΤΩΝ ΥΠΟΛΟΙΠΩΝ ΣΤΕΡΕΩΣ ΤΩΝ ΠΥΛΩΝ ΟΜΟΙΟΤΗΤΑ ΣΤΕΡΕΩΣ ΤΩΝ ΒΥΘΩΝ
 ΠΕΡΙΕΧΟΜΕΝΟ: GR4210009 - ΑΣΤΥΠΑΛΑΙΑ - ΟΦΙΔΟΥΣΑ
 Χάρτης Τίτλος Ομοειδής - Φωτογραφία (Βαθύτητα Δεκαμέτρ)
 Κλίμακα 1:50000
 Στοιχεία Αρχειοθέτησης: 07/24/07
 Αριθμός(οί):
 Ηλεκτρονικός Υπολογιστής: N. Γαλαριώτης
 Διευθυντής: C. Γαλαριώτης
 Α. C. Σαββής
 Εμπόλεμος: Γεωγραφικός Σχηματισμός
 Φωτογραφία: 1:50000 (1:50000) ΜΕΤΕΚΤΑΣΗ ΤΩΝ ΥΠΟΛΟΙΠΩΝ ΣΤΕΡΕΩΣ ΤΩΝ ΒΥΘΩΝ (ΣΤΕΡΕΩΣ)
 00-000000-0000

Sheet Map GR.DESP.001

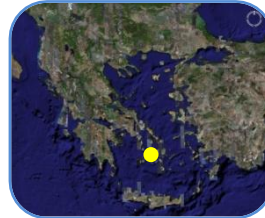
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Despotiko island and Strongyli

GPS Coordinates : N 36°57'15.19"
E 24°58'30.11"



Date of achievement

Methods

Size and accuracy

Copyright

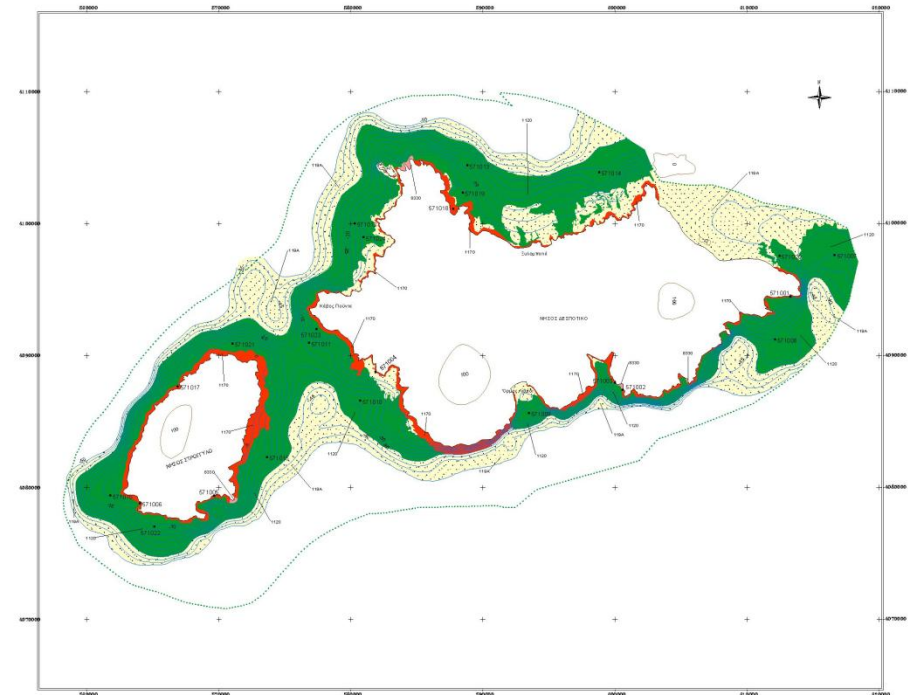
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4220017 - ΝΗΣΟΙ ΔΕΣΠΟΤΙΚΟ ΚΑΙ ΣΤΡΟΓΓΥΛΟ



ΥΠΕ ΧΥΔ Α.Ε.	
ΕΡΓΟ : ΕΡΓΟΣ - ΥΠΟΛΟΓΙΣΜΟΣ ΚΑΙ ΠΕΡΙΦΑΡΗ ΤΩΝ ΤΥΠΩΝ ΟΜΟΤΥΠΩΝ ΙΣΧΥΡΟΣΕΩΣ ΔΙΑΤΗΡΗΣΗΣ ΤΗΣ Β' ΥΠΗΨ' ΜΕΛΕΤΗΣ	
Πολεοδομ. Μάκρης :	GR4220017 - ΝΗΣΟΙ ΔΕΣΠΟΤΙΚΟ ΚΑΙ ΣΤΡΟΓΓΥΛΟ
Χάρτης Τοπων Ομοσπονύων - Βιοεστέρησης (Ελ.αίτηση Διεύρυνση)	
1:17000 Επιτόπιση Αιτωλεΐδας, ΕΤΕΑ 97	
Απόδοσης :	Ενα περιοχή Υπεύθυνη :
ΑΝΑΓΝΩΡΙΣΤΕΛΟΣ ΜΗΧΟΣ	ΠΑΝΑΓΙΩΤΗΣ ΠΑΝΑΓΙΩΤΗΣ
	ΕΡΩΤΗΣΗΣ Ε.Σ. 95
	Συντάκτης :
	ΣΠΗ ΑΝΩΤΗΣ ΕΓΧΕΙΡΗΣ ΕΡΕΥΝΗΣ Π.Α.Κ. Ε.
	ΣΤΑΤΙΣΤΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΠΑΙΔΕΙΑΣ, ΠΡΟΒΛΕΨΗΣ, ΜΕΣΩ
	ΜΑΝΗΤΑ ΤΑΞΙΑΡΧΙΑ Εργαστήριο Σ.Π.Ε.
Εκτύπησε ο οθόνη :	Απόδοσης Σχεδιασμού :
XXXXXXXXXXXXXXXXXXXX	ΓΕΩΡΓΙΟΣ ΠΑΝΑΓΙΩΤΗΣ
	ΔΕΠΕΡΑ Α.Ε.
	Συντάκτης/επιθεωρητής :
	ΜΟΥΣΤΑΦΑ ΓΟΥΣΑΛΗΣ & ΣΥΝΕΤ. ΕΣΠΕΡΑΣ
	ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ-ΥΠΟΤΟΠΩΝ
	ΔΕΚΕΜΒΡΙΟΣ 2000

ΥΠΟΜΟΙΦΗ

- Σημείο ομοσπονύων
- Όριο κοινότητας
- Ομοσπονύων
- Ομοσπονύων
- Ομοσπονύων 100μ
- 1123. Ελαστική Απορρόσηση Αέρας με ελαστική Προστατευτική Πλαστική οροφή
- 1150. Ψαλίδι - Αέρας
- 8330. Διαπερατότητα 8 m για ομοσπονύων Αέρας οροφή - Στοιβάδα οροφής ομοσπονύων 4m
- 1184. Μεταλλική οροφή από Αλουμίνιο - Προστατευτική οροφή



Το Ολοκλήρωμα είναι της ομοσπονύων οροφής, προσαρμοσμένο στο μέγεθος οροφής 8m. Το Ψαλίδι είναι της ομοσπονύων οροφής, προσαρμοσμένο στο μέγεθος οροφής 4m.

Sheet Map GR.ELAF.001

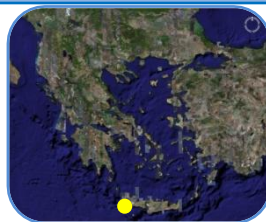
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Creta island, Elafonissi region

GPS Coordinates : N 35°15'57.86"
E 23°32'40.57"



Date of achievement

Methods

Size and accuracy

Copyright

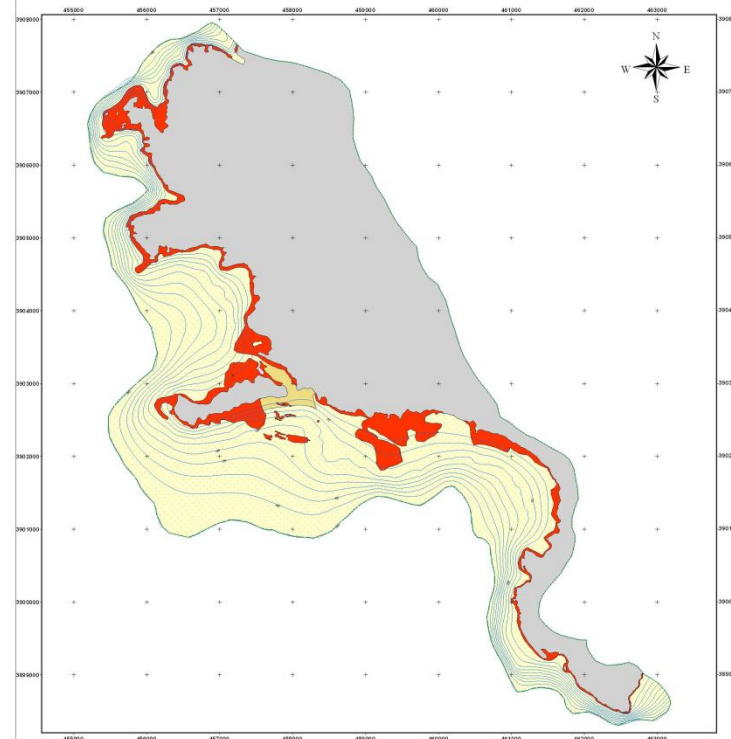
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4340002 - ΕΛΑΦΟΝΗΣΟΣ



ΥΠΟΜΗΜΑ		
<p>..... Site boundary --- Locality (City)</p> <p>1110 - Sandbanks which are slightly covered by sea water all the time 1120 - Reef 1150 - Unvegetated sand bed 1190 - Vegetated sand bed</p>		
<p>ΥΠΟΜΗΜΑ</p> <p>ΕΡΓΟ: ΕΡΓΟ ΑΠΟΚΑΤΑΣΤΑΣΗΣ ΤΗΣ ΠΕΡΙΧΩΡΗΣ ΤΗΣ ΕΛΑΦΟΝΗΣΟΣ</p> <p>Πλάτος Μακρύ: GR4340002 - ΕΛΑΦΟΝΗΣΟΣ</p> <p>Χώρα: Τμήμα Ορεινών - Βιότοπος (Βιολογικό Δασμάτιο)</p> <p>Κλίμα: ΥΜΕΘ</p> <p>Σύστημα Αναφοράς: UTM 32Q</p> <p>Ανάλυση: 1:5000</p> <p>Ανάλυση: 1:5000</p> <p>Επιμέλεια: ΓΕΩΓΡΑΦΙΚΟ ΚΑΙ ΤΟΠΟΓΡΑΦΙΚΟ ΜΕΤΡΩΝ ΕΡΓΑΣΤΗΡΙΟ (ΓΕΩΜΕΤΡΟΙ)</p> <p>Επιμέλεια: ΓΕΩΓΡΑΦΙΚΟ ΚΑΙ ΤΟΠΟΓΡΑΦΙΚΟ ΜΕΤΡΩΝ ΕΡΓΑΣΤΗΡΙΟ (ΓΕΩΜΕΤΡΟΙ)</p> <p>2001</p>	<p>ΥΠΟΜΗΜΑ</p> <p>Ανάλυση: 1:5000</p> <p>Ανάλυση: 1:5000</p> <p>Επιμέλεια: ΓΕΩΓΡΑΦΙΚΟ ΚΑΙ ΤΟΠΟΓΡΑΦΙΚΟ ΜΕΤΡΩΝ ΕΡΓΑΣΤΗΡΙΟ (ΓΕΩΜΕΤΡΟΙ)</p> <p>2001</p>	

Sheet Map GR.FOLE.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Folegandros and Sikinos

GPS Coordinates : N 36°38'10.35"
E 25° 0'5.72"



Date of achievement

Methods

Size and accuracy

Copyright

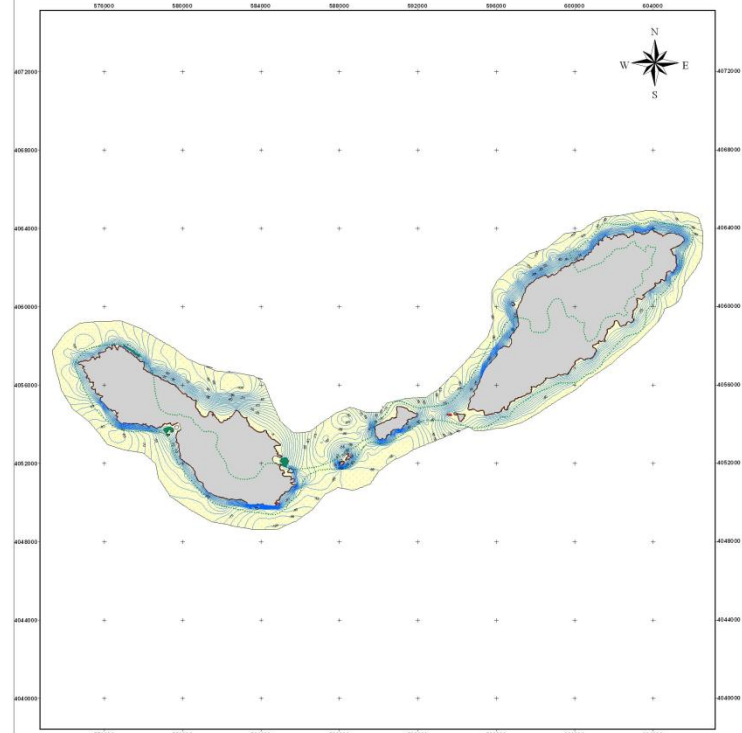
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4220004 - ΦΟΛΕΓΑΝΔΡΟΣ - ΣΙΚΙΝΟΣ



ΥΠΟΜΝΗΜΑ	
ΕΡΓΟ: ΟΡΙΣΜΟΣ ΠΕΡΙΟΧΗΣ ΠΡΟΤΕΚΤΗΣΙΑΣ ΤΩΝ ΑΡΧΑΙΟΛΟΓΙΚΩΝ ΜΝΗΜΕΙΩΝ ΣΤΗΝ ΕΠΙΧΩΡΟΝ ΤΟΥΝ ΕΣΤΙΟΝ ΤΗΣ ΠΕΡΙΟΧΗΣ ΦΟΛΕΓΑΝΔΡΟΣ - ΣΙΚΙΝΟΣ ΠΡΟΤΥΠΟ ΜΑΠΣ: GR4220004 - ΦΟΛΕΓΑΝΔΡΟΣ - ΣΙΚΙΝΟΣ ΥΠΟΥΡΓΕΙΟ ΠΕΡΙΒΑΛΛΟΝΤΟΣ, ΒΙΟΠΟΝΙΑΣ (ΕΠΙΧΩΡΙΑ ΔΙΑΧΕΙΡΙΣΗ) ΔΙΕΥΘΥΝΣΗ ΣΧΕΔΙΑΣΜΟΥ ΣΥΝΤΑΞΗ: ΑΡΧΙΤΕΚΤΟΝΙΚΟ ΕΤΕΑ ΣΤ	
ΑΝΤΙΚΕΙΜΕΝΟ: ΜΝΗΜΕΙΑ ΑΡΧΑΙΟΛΟΓΙΚΗΣ ΕΡΕΥΡΑΣ	ΕΠΙΧΩΡΙΑΚΑ ΜΝΗΜΕΙΑ: Α. Στάσιος Β. Στάσιος Γ. Στάσιος Δ. Στάσιος
ΕΠΙΧΩΡΙΑΚΑ ΜΝΗΜΕΙΑ: Α. Στάσιος Β. Στάσιος Γ. Στάσιος Δ. Στάσιος	ΕΠΙΧΩΡΙΑΚΑ ΜΝΗΜΕΙΑ: Α. Στάσιος Β. Στάσιος Γ. Στάσιος Δ. Στάσιος
ΗΜΕΡΟΜΗΝΙΑ: 2001	ΕΠΙΧΩΡΙΑΚΑ ΜΝΗΜΕΙΑ: Α. Στάσιος Β. Στάσιος Γ. Στάσιος Δ. Στάσιος

Site boundary Isobaths (5m) 1120 - Posidonia beds 1125 - Reeds 1150 - Unvegetated sand bed 1155 - Vegetated sand bed



Sheet Map GR.GRAN.001

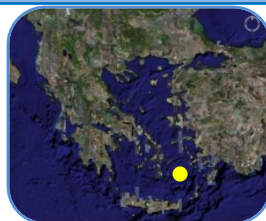
Reference

SIKAVARA K., VALAVANIS V., BANKS A.C., 2000. Mapping of Natura 2000 seagrass habitats using remote sensing techniques. Actes du premier symposium méditerranéen sur la végétation marine (Ajaccio, 3-4 octobre 2000). *Mednature 1* : 186-190

Location

Greece, Creta island, Grandes bay

GPS Coordinates : N 35°13'45.69"
E 26°17'24.58"



Date of achievement

Methods

Photo interpretation from aerial photography
Sonar

Size and accuracy

Coloured aerial photography, scale 1/5 000

Copyright

Other

Map

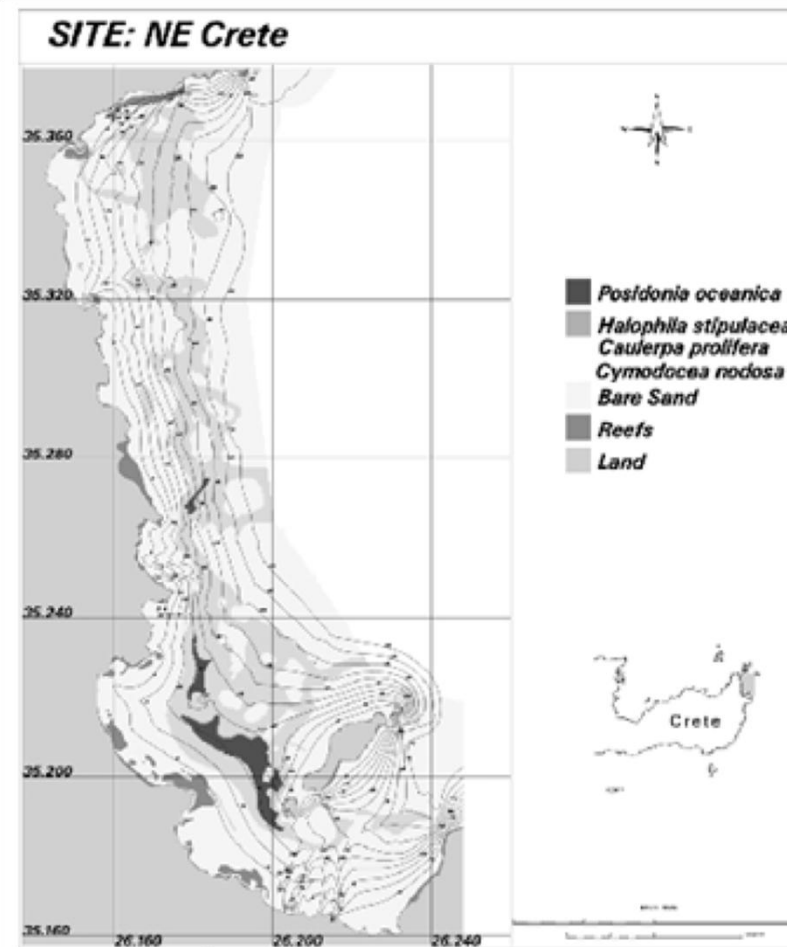


Figure 2. Map of NATURA habitat types in the Grandes bay area of NE Crete (1:16000, 5m contours)

Sheet Map GR.GRAN.002

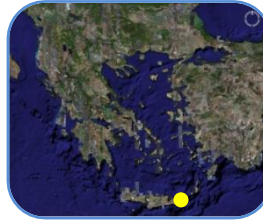
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Creta island, Grandes bay and Dragonada island, Elassa, Gianissada and Paximada

GPS Coordinates : N 35°17'8.67"
E 26°18'22.66"



Date of achievement

Methods

Size and accuracy

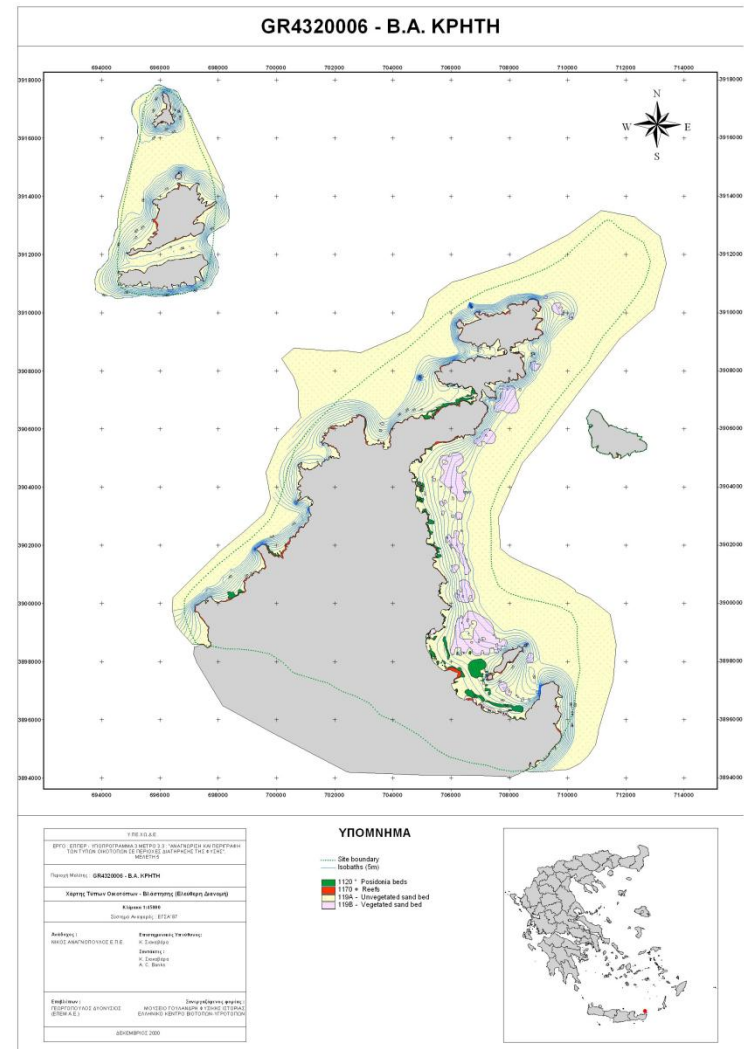
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.IKAR.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Islands of Ikaria and Fournoi

GPS Coordinates : N 37°40'16.00"
E 26°24'13.00"



Date of achievement

Methods

Size and accuracy

Copyright

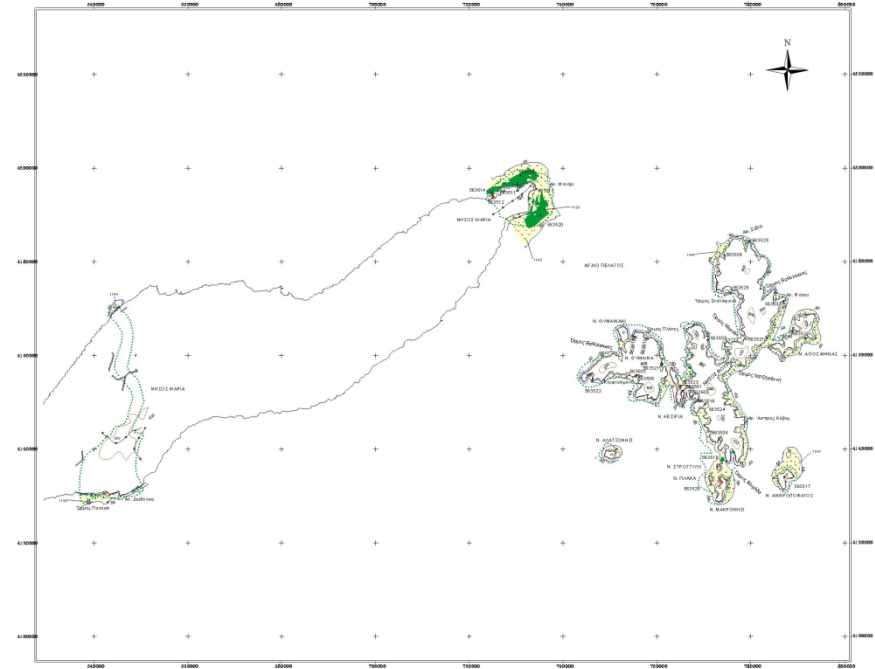
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4120004 - ΙΚΑΡΙΑ-ΦΟΥΡΝΟΙ



ΥΠΟΜΝΗΜΑ	
•	Σημεία ενδιαφέροντος
—	Οδός ΟΤΧ
—	Όσοι Διεπιστομολογημένοι
—	Οδοί Νο. 1000
—	Οδοί Νο. 100
—	Όσοι 1000
—	Όσοι 100
—	Όσοι 10
—	Όσοι 1
—	Όσοι 0,1
—	Όσοι 0,01
—	Όσοι 0,001



Το παρόν σχέδιο με μορφή ασχέτου χρησιμοποιείται από τον κατάλογο 5. Το σχέδιο είναι ένα έγγραφο, παραγωγή της ΥΠΕΧΟΔΕ για τον κατάλογο 3.

ΥΠΕΧΟΔΕ
 ΕΠΙΧ. ΕΠΕΡΓ. ΥΠΟΧΡΩΜΑΤΑ ΜΕΤΡΟ 3.3 "ΑΝΑΚΑΤΑΣΤΑΣΗ ΚΑΙ ΕΠΕΡΓΑΙΑ ΚΑΙ ΤΥΠΟΝ ΟΙΚΟΤΟΠΩΝ ΣΕ ΒΕΛΤΥΣΣΕΙΣ ΔΙΑΤΗΡΗΣΗΣ ΤΗΣ ΘΥΣΗΣ ΜΕΣΕΩΣ"
 Ταχυσ. Τμήμα Οικοδομ.-Βασιστική (Ελευθέριος Δολομάς)
 1:50000
 Έργα Αρτοποιίας, ΕΤΕΑ 97
Απόψεις:
 Ε. Κ. Παναγιώτου
 Κ. Κ. Κωνσταντίνου
 Ε. Κ. Κ. Ε.
Συντάκτης:
 ΟΡΓΑΝΙΣΜΟΣ ΣΥΓΧΡΗΜ. ΕΡΕΥΝΑΣ, Η.Α.Κ.
 ΤΕΧΝΙΚ. ΕΡΓΕΙΑ ΚΑΙ ΚΑΤΑΣΤΡΟΦ. ΠΡΟΦΗΛΗΡΗΣΙΣ
 ΚΑΜΑΤΑ ΠΑΤΕΛΙΑΝ Τυμάλι, 6 1.0.
 ΣΥΛΛΑΒΕΤΑ ΑΝΑΚΑΤΑΣΤΑΣ. ΣΥΛΛΑΒΕΤΑ
Εκτύπωση σε 1/50000:
 ΣΥΛΛΑΒΕΤΑ ΑΝΑΚΑΤΑΣΤΑΣ. ΣΥΛΛΑΒΕΤΑ
Απόψεις Σύνταξης:
 ΓΕΩΓΡΑΦΙΚΟΙ ΔΙΑΧΕΙΡΙΣΤΕΣ
 (ΕΠΕΜΕΛΕ)
Συντονιστική ομάδα:
 ΜΟΥΣΤΟΦΙΔΗΣ & ΥΠΕΧΟΔΕ
 ΟΡΓΑΝΙΣΜΟΣ ΣΥΓΧΡΗΜ. ΕΡΕΥΝΑΣ

ΔΕΚΕΜΒΡΙΟΣ 2000

Sheet Map GR.KAFI.001

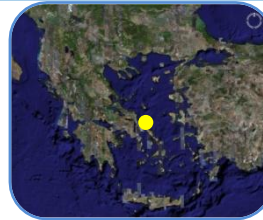
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Evia, Kafireas region

GPS Coordinates : N 38° 9'28.86"
E 24°35'33.49"



Date of achievement

Methods

Size and accuracy

Copyright

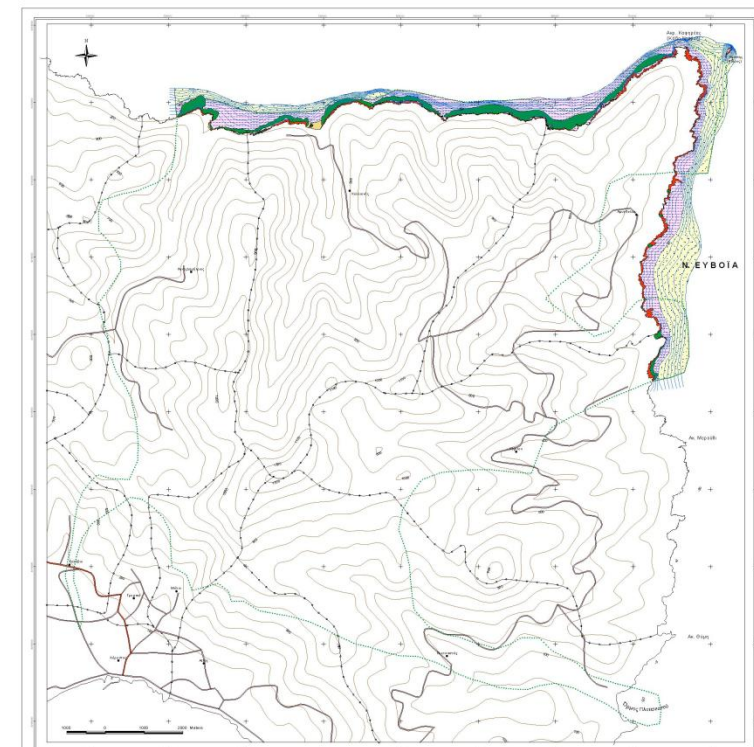
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR2420001 - ΚΑΦΗΡΕΑΣ



ΥΠΟΧΡΩΣΗ
ΑΡΧΟ ΔΕΙΧΝΕΙ "ΥΠΟΥΧΩΦΑΙΝΟΜΕΝΟΙΣ" ΤΑ ΚΑΤΩΤΕΡΑ ΚΑΙ ΔΕΙΚΝΑΙ ΤΟΝ ΤΥΠΟΝ ΟΧΙΣΤΑΤΟΝ ΕΣΤΙΝ ΕΡΕΥΝΗΣΕΣ ΣΧΗΜΑΤΟΣ ΤΗΣ ΓΕΩΤΕΧΝΟΛΟΓΙΑΣ

Χάρτης Μηνός: GR2420001 - ΚΑΦΗΡΕΑΣ
Σύστημα Τμημάτων Οριοθέτησης: Μεσογειακό (Ελλάδος Δεξιάριος)
Κλίμακα: 1:2000
Στοιχείο Ανάπτυξης: 02/24-01


Αποδοσεις:
ΑΝΑΓΝΩΡΙΣΤΕΩΣ ΧΡΩΣΤΕΣ
ΕΥΑΙΩΤΗΤΗΤΟΣ ΕΡΕΥΝΗΣ
ΜΑΡΤΙΑΣ
ΚΑΝΟΝΑΙ ΑΡΧΙΤΕΚΤΟΝΙΚΕΣ
ΠΡΟΒΛΕΨΕΙΣ ΣΧΗΜΑΤΟΣ
ΕΡΕΥΝΗΣ ΤΕΛΕΙΩΣ

Εκπονητής αλληλοπομπή:
ΓΕΩΡΓΙΟΣ ΚΑΠΟΥΔΗΣ
ΕΠΙΧΕΙΡΗΣΙΟΝ
ΜΕΤΕΩΡΟΛΟΓΙΑΣ ΚΑΙ ΣΤΡΩΜΑΤΟΛΟΓΙΑΣ
ΒΑΡΡΗΣΙΩΝ ΔΕΚΑΕΤΗΡΟ ΤΕΧΝΟΛΟΓΙΚΟΝ
ΕΚΠΑΙΔΕΥΤΙΚΟΝ ΚΕΝΤΡΟΝ

αεφ588832121001

ΥΠΟΧΡΩΣΗ

- Οριοθέτηση
- Μεσογειακό
- ΚΑΦΗΡΕΑΣ
- ΚΑΦΗΡΕΑΣ
- ΚΑΦΗΡΕΑΣ
- ΚΑΦΗΡΕΑΣ
- ΚΑΦΗΡΕΑΣ
- ΚΑΦΗΡΕΑΣ
- ΚΑΦΗΡΕΑΣ



Sheet Map GR.KALO.001

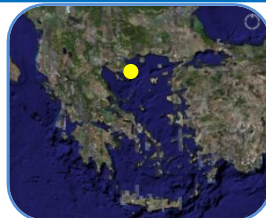
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Kentriki Makedonia, Chalkidiki, Kalogria region

GPS Coordinates : N 40°10'18.50"
E 23°42'21.77"



Date of achievement

Methods

Size and accuracy

Copyright

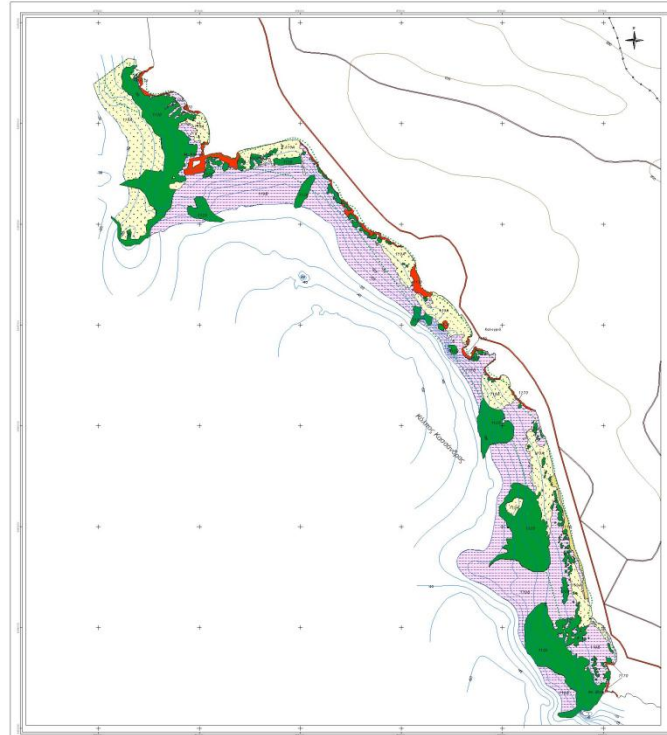
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR 1270007- AKP. ΕΛΙΑ - ΑΚΡ. ΚΑΣΤΡΟ



ΥΠΕΥΘΥΝΟΣ ΕΡΓΟΥ: ΕΠΕΛΕΓ - ΥΠΟΥΡΓΕΙΟ ΠΑΡΑΤΑΞΗΣ ΚΑΙ ΠΟΛΙΤΙΚΗΣ ΠΡΟΤΕΡΑΙΟΤΗΤΑΣ ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΚΗΣ ΕΡΕΥΝΑΣ, ΑΝΑΡΧΙΤΕΚΤΟΝΙΚΗΣ ΚΑΙ ΚΑΤΑΣΤΡΟΦΩΝ ΣΕΙΣΜΩΝ	
Πρότυπο/ΜΑΚΗΣ: GR1270007 - ΑΚΡ. ΕΛΙΑ - ΑΚΡ. ΚΑΣΤΡΟ	
Χώρα: Ελλάδα Όμιλος: Κεντρική Μακεδονία - Βιθυνικός (Ελλάδα, Δυτική)	
Κλίμακα 1:18000 Τύπος Αντίγραφου: ΒΓ/ΣΧ/97	
Αντιγράφοι ΑΝΑΓΡΑΦΗ ΧΡΩΜΑΤΟΣ	Επίσημοι Υπεύθυνοι ΧΡΩΜΑΤΟΣΤΑΘΙΑΣ ΚΑΙ ΟΧΡΩΜΑΤΟΣ ΕΠΕΛΕΓ/Τ.Ε.Α.Π.Θ. Βεβαιωθεί
Επιμέλεια/Σύμψη: ΜΕΤΕΩΡΟΛΟΓΙΑΚΟ ΕΠΙΜΕΛΕΤΗΡΙΟ ΕΛΛΗΝΙΚΟΥ ΕΓΚΛΕΤΕΤΟΥ ΣΤΑΤΙΣΤΙΚΗΣ ΕΡΕΥΝΑΣ ΚΑΙ ΣΤΑΤΙΣΤΙΚΗΣ ΕΚΔΟΣΗΣ	
Εκδοση/αριθμός: ΕΚΔΟΣΗ: 2001	Ανάλυση/Συμπλήρωση: ΥΠΟΥΡΓΕΙΟ ΠΑΡΑΤΑΞΗΣ ΚΑΙ ΠΟΛΙΤΙΚΗΣ ΠΡΟΤΕΡΑΙΟΤΗΤΑΣ ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΚΗΣ ΕΡΕΥΝΑΣ, ΑΝΑΡΧΙΤΕΚΤΟΝΙΚΗΣ ΚΑΙ ΚΑΤΑΣΤΡΟΦΩΝ ΣΕΙΣΜΩΝ

ΥΠΟΘΕΣΗ	
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης
—	Οριοχάρτης - Οριοχάρτης



Sheet Map GR.KANA.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Evia, Kanatadika region

GPS Coordinates : N 38°59'50.58"
E 23° 6'57.35"



Date of achievement

Methods

Size and accuracy

Copyright

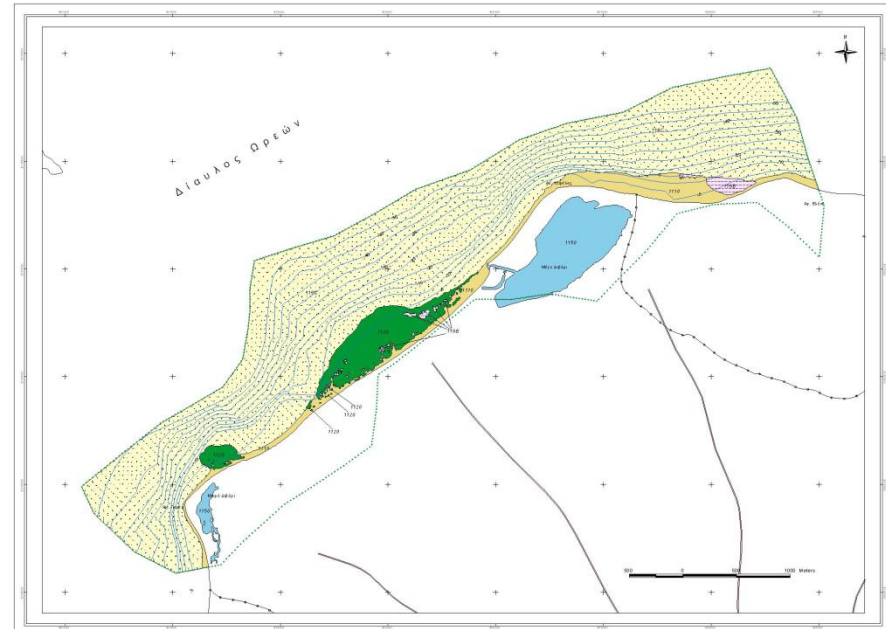
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR2420004 - ΛΙΒΑΡΙ - ΥΔΡΟΧΑΡΕΣ ΔΑΣΟΣ ΑΓ. ΝΙΚΟΛΑΟΣ



ΥΠΕΥΘΥΝΟΣ ΕΡΓΟ : ΕΠΙΣΤΡ.- ΥΠΟΓΡΑΦΜΑ 3 ΜΕΤΡΩ 33 "ΑΝΑΓΝΩΡΙΣΗ ΟΔΟΠΡΟΣΒΑΣΗ ΤΩΝ ΤΥΠΩΝ ΟΙΚΟΤΟΡΩΝ ΣΕ ΠΕΡΙΟΧΕΣ ΔΙΑΤΡΗΨΗΣ ΤΗΣ ΘΥΣΗΣ" ΜΕΤΕΤΕ	
Πίνακας Μελών : GR2420004 - ΛΙΒΑΡΙ - ΥΔΡΟΧ. ΔΑΣΟΣ ΑΓ. ΝΙΚΟΛΑΟΣ	
Χάρτης Τύπων Οικότοπων - Βλαστήριος (Ειδική Δίεση)	
Κλίμακα 1:15.000 Σύστημα Αναφοράς : ΕΓΣΑ 87	
Αυθεντία : ΑΝΑΓΝΩΡΙΣΤΕΣ ΜΗΔΕ	Σε συνεργασία με το σύνθετο ΠΑΝΑΤΟΠΙΚΟ ΠΛΑΝΟΤΥΠΟ ΣΧΗΜΑ Ε.Κ.Θ.Ε. Συντάκτης : ΔΡΑΚΟΠΟΥΛΟΥ ΠΑΡΑΣΚΕΙΗ ΠΑΝΑΤΟΠΙΚΟ ΠΛΑΝΟΤΥΠΟ ΣΥΝΑΒΑΡΑ ΑΣΤΑΤΕΣΠΗΗ
Επιτροπή και Θύματα :	Αυθεντία Σχεδιασμού : ΓΕΩΓΡΟΦΙΚΟΣ ΣΧΕΔΙΑΣΜΟΣ (ΓΠΜ Α.Ε.) Συνεργίζουσες Αρχές : ΜΟΥΣΕΙΟ ΕΡΕΥΝΑΣ ΚΑΙ ΣΤΑΣΗΣ ΟΤΟΡΑΣ ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ ΥΠΟΤΟΡΩΝ
ΣΕΠΤΕΜΒΡΙΟΣ 2008	

<p>ΥΠΟΜΗΘΙΑ</p> <ul style="list-style-type: none"> ----- Οδοί Πλάτος : 50m Ημερήσιες ----- Οδοί Πλάτος : 30m Ημερήσιες ----- Οδοί 0,75m - 1,00m ετήσιες συνολικότητες σε οικότοπους ----- Οδοί ετήσιες συνολικότητες ----- Πλάτος οικότοπων ετήσιες συνολικότητες ----- Αύξηση της υψότητας : 100m (κατά μήκος οικότοπων) ----- Αύξηση της υψότητας : 50m (κατά μήκος οικότοπων) ----- Απορροές : Οικότοπος ----- Απορροές ανά 100μ - Center per 100m ----- Απορροές : οικότοπος ----- 110m Στερεότητα στην οποία εδράζεται η ανώτερη επιφάνεια οικότοπων ----- 120m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 130m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 140m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 150m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 160m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 170m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 180m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 190m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς ----- 200m Πλάτος οικότοπων - Αδελφοί Κοτσυβιάς 	
--	--

Sheet Map GR.KARP.001

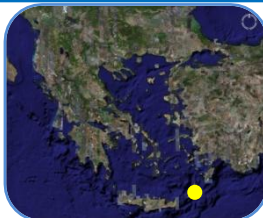
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Karpathos

GPS Coordinates : N 35°34'37.82"
E 27° 4'4.03"



Date of achievement

Methods

Size and accuracy

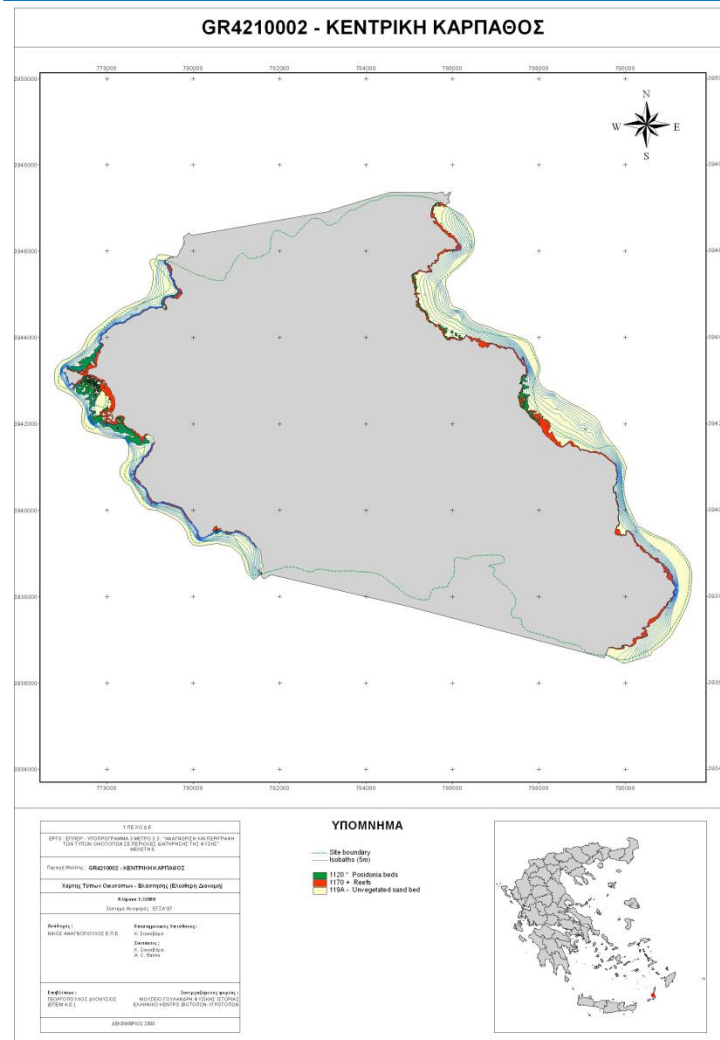
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.KASO.001

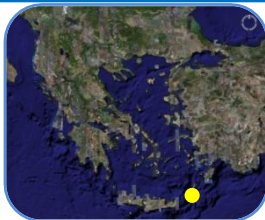
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Kasos and Armathia

GPS Coordinates : N 35°25'43.13"
E 26°53'37.53"



Date of achievement

Methods

Size and accuracy

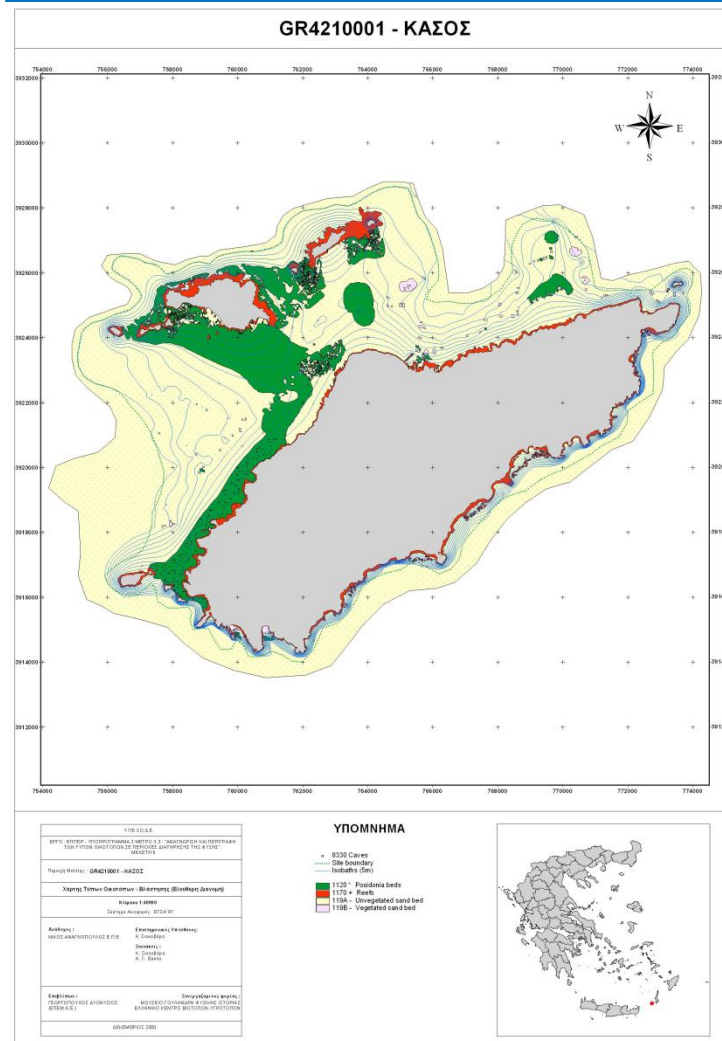
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.KEFA.001

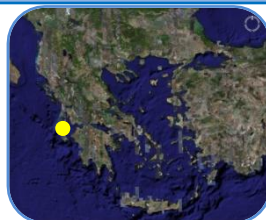
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Kefallonia island

GPS Coordinates : N 38° 4'49.98"
E 20°33'56.06"



Date of achievement

Methods

Size and accuracy

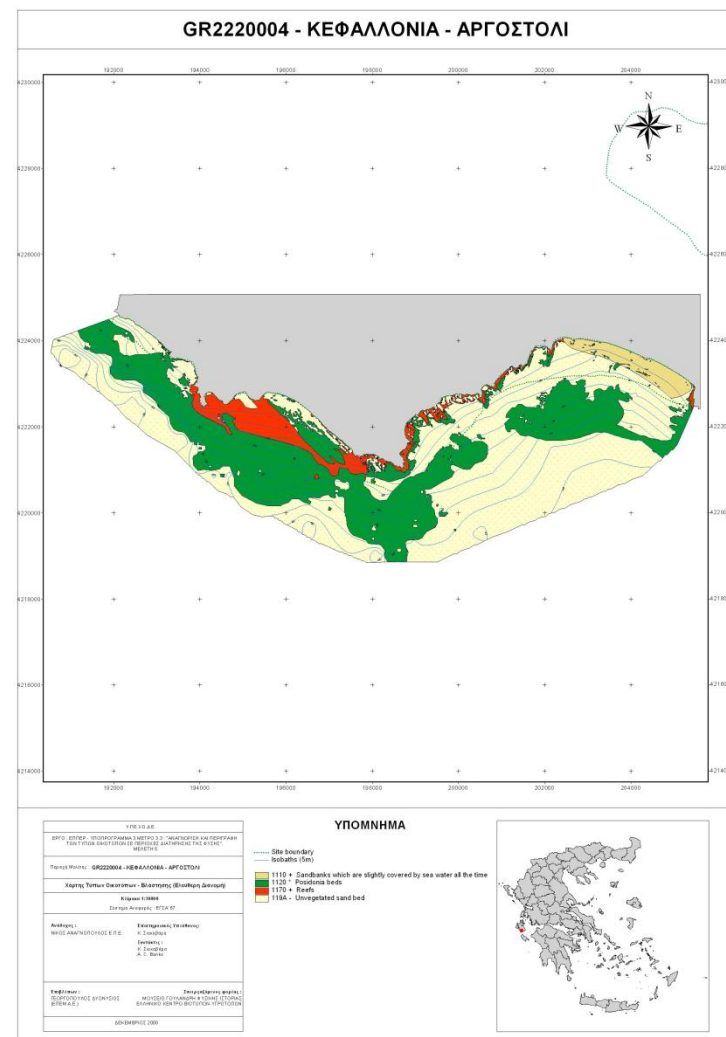
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.KIMA.001

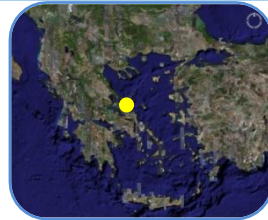
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Evia island, Kimassi region

GPS Coordinates : N 38°49'37.59"
E 23°30'20.06"



Date of achievement

Methods

Size and accuracy

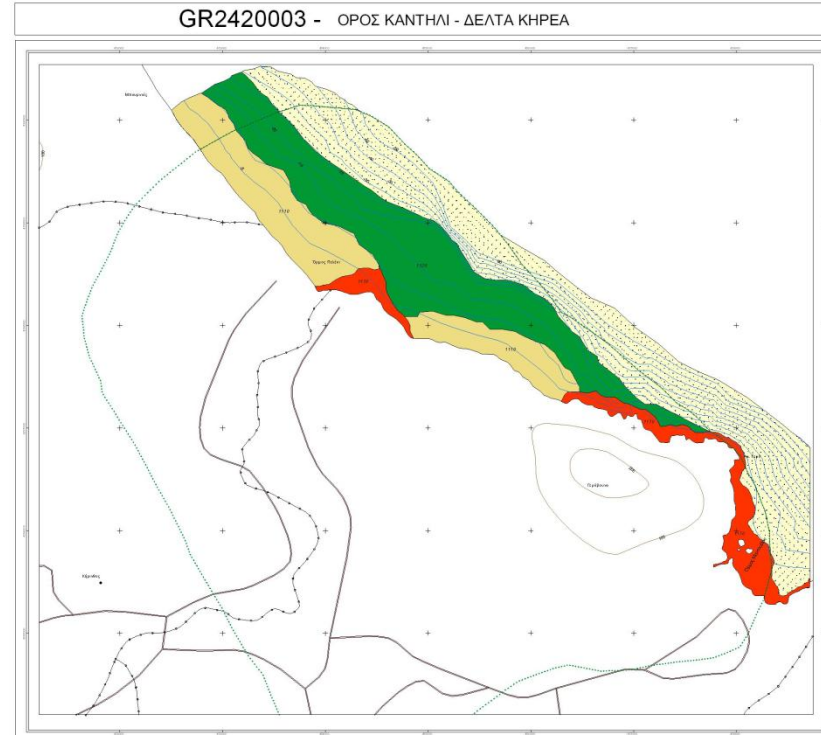
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



ΥΠΕΥΘΥΝΟΣ
ΕΡΓΟ: ΕΠΕΡΓ. ΠΡΟΤΕΡΟΡΡΑΜΑ ΣΥΝΕΡΓ. 3 - ΑΝΑΠΡΟΨΗ ΔΕΙΞΕΡΑΦΗ
ΓΩΝ ΥΠΟΝ ΟΜΟΤΟΝ ΕΣ ΤΕΡΑΠΕΙΣ ΔΙΑΤΗΡΗΣΗΣ ΤΗΣ ΚΥΗΣ
ΜΕΡΕΤΗΣ

Παραρτη Μάκρας: GR2420003 - ΟΡΟΣ ΚΑΝΘΛΙ - ΔΕΛΤΑ ΚΗΡΕΑ

Χάρτης Τύπος: Σειράσιν - Βλαιοσιν (Ερλοθέρη Δεισιν)

Κλίμακας: 1:15.500
Στρωμα: Αεροφωτ. ΕΡΣΑ 87

Ανάλυσης: Ερλοθέρη - Υαθίβηδης: ΠΑΝΑΓΙΩΤΗΣ ΠΑΠΑΔΟΠΟΥΛΟΣ
ΑΝΑΝΤΩΝ ΤΑΞΕ ΝΙΚΟΣ

Συνεργιστι: ΔΕΛΤΑ ΚΗΡΕΑ ΑΡΧΤΕΚΤΟΝΟΙ ΕΡΓΑΤΕΣ
ΣΥΜΠΡΟΚΟΛΟ ΠΑΡΑΣΕΙΣ ΗΡ ΠΑΝΑΓΙΩΤΗΣ ΠΑΠΑΔΟΠΟΥΛΟΣ

Ερλοθέρη μεΦίλωση: Ανάλυσης Σχεδιασμού: ΓΕΩΓΡΟΠΟΥΔΟΣ ΔΩΝΑΤΟΣ
ΕΡΣΑ Α.Ε.Σ.

Συνεργιστι Ερλοθέρη: ΜΟΥΣΙΕΡΟΣ ΤΟΥ ΑΛΑΜΠΡΑ ΚΥΝΗΤΕΣ ΕΣΤΙΩΝ
ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ ΥΠΟΤΟΠΩΝ

ΔΕΙΞΕΡΑΦΗΣ 2000

ΥΠΟΜΟΝΗ

- Κλίμακας: Πάσης
- Στρωμα: Αεροφωτ. 87
- Κλίμακας: 1:15.500
- Ερλοθέρη: Υαθίβηδης
- Κλίμακας: 1:15.500
- Συνεργιστι: ΔΕΙΞΕΡΑΦΗ
- Κλίμακας: 1:15.500
- Συνεργιστι: ΔΕΙΞΕΡΑΦΗ
- Κλίμακας: 1:15.500
- Συνεργιστι: ΔΕΙΞΕΡΑΦΗ

Sheet Map GR.KLOG.001

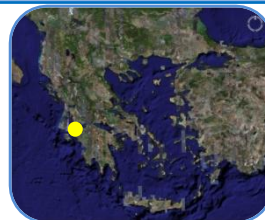
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Dytiki Ellada, Achaia et Ilia, Kalogria region

GPS Coordinates : N 38° 3'44.70"
E 21°17'17.62"



Date of achievement

Methods

Size and accuracy

Copyright

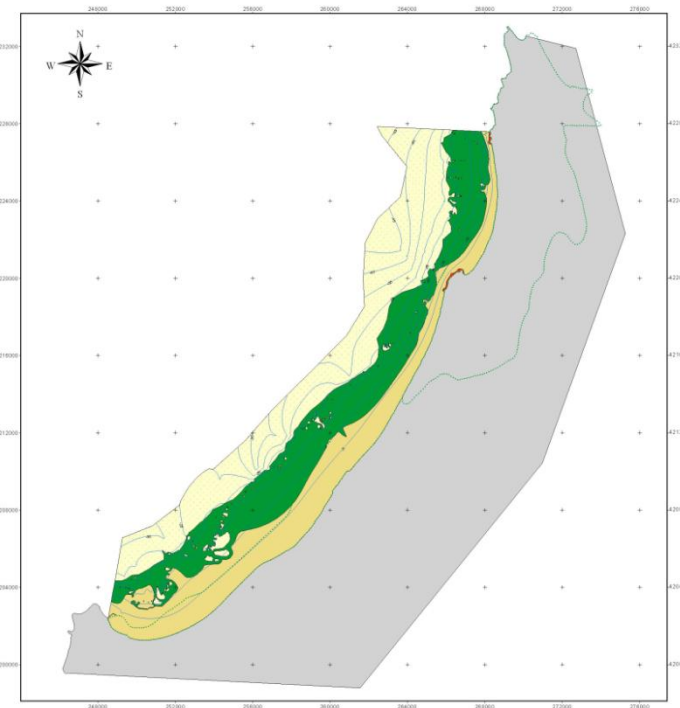
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR2330007 - ΚΑΛΟΓΡΙΑ - ΚΥΛΛΗΝΗ



Sheet Map GR.KOUF.00

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Koufonisi island

GPS Coordinates : N 34°57'8.05"
E 26° 7'55.60"



Date of achievement

Methods

Size and accuracy

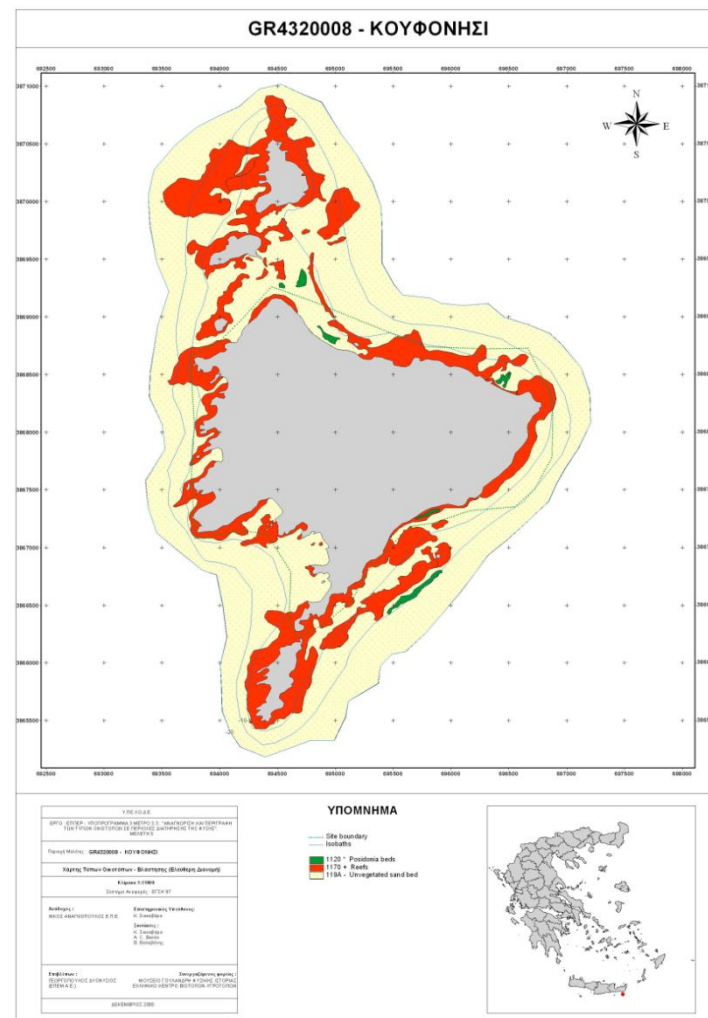
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.KOUK.001

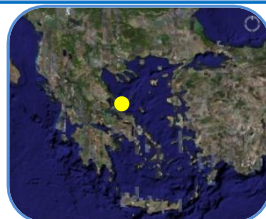
Reference

TSIRIKA A., CHRISOPOLITOU V., HARITONIDIS S., 2001. Preliminary results of mapping of the coastal and halophytic habitattypes (Directive 92/43/eec) in the gulf of Koukounaries (Skiathos, North Aegean Sea). Rapp. Comm. int. Mer. Médit., 36 : 423

Location

Greece, Skiathos island, Koukounaries gulf

GPS Coordinates : N 39°8'48.76"
E 23°24'9.01"



Date of achievement

2000

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Aerial photography, scale 1/5 000

Copyright

Other

Map

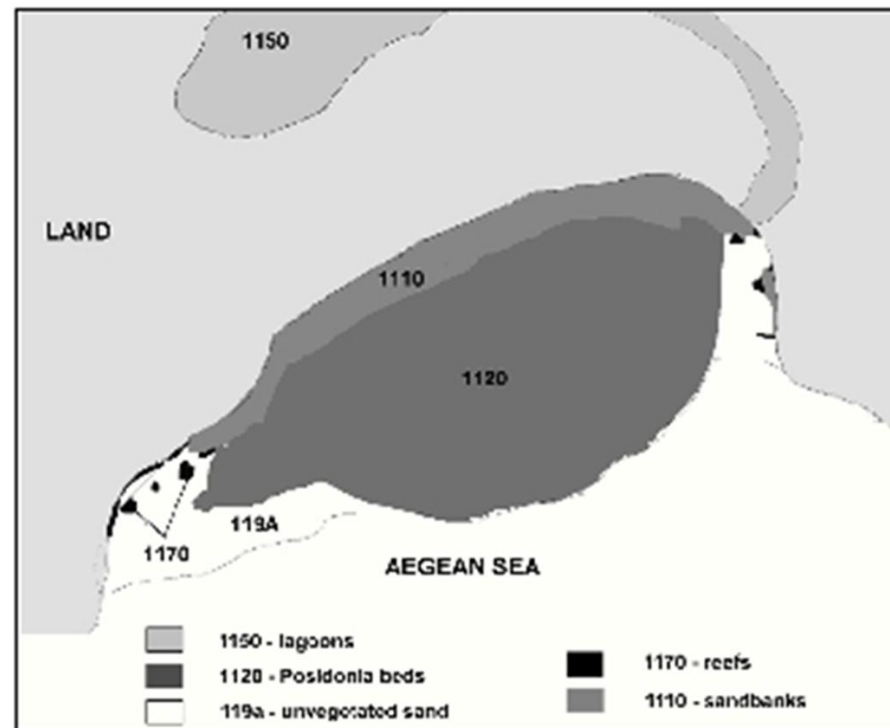


Figure 1. Map of the habitat types in the Gulf of Koukounaries.

Sheet Map GR.KOUK.002

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Skiathos island, Koukounaries gulf

GPS Coordinates : N 39°8'48.76"
E 23°24'9.01"



Date of achievement

Methods

Size and accuracy

Copyright

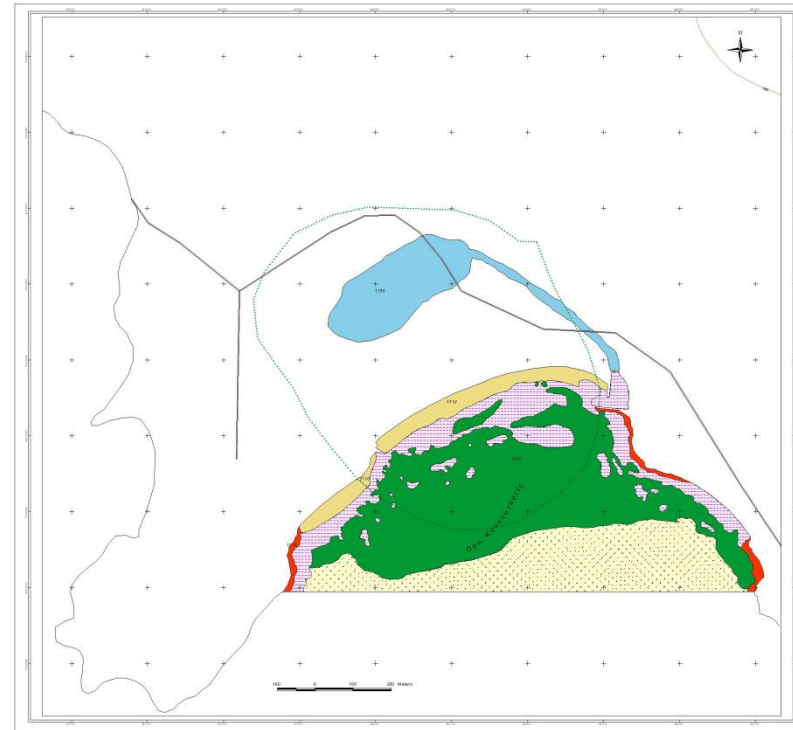
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR1430003 - ΣΚΙΑΘΟΣ - ΚΟΥΚΟΥΝΑΡΙΕΣ



ΤΙΤΛΟΣ	
ΕΡΓΟ: ΕΡΓΟ - ΥΠΟΠΡΟΓΡΑΜΜΑ 3 ΜΕΤΡΟ 3.3 "ΑΝΑΦΟΡΕΣ ΚΑΙ ΠΕΡΙΒΑΛΛΟΝ ΤΩΝ ΤΥΠΩΝ ΟΜΟΤΥΠΩΝ ΕΣΤΙΩΝ ΕΚΔΟΣΗΣ ΤΗΣ 4 ^{ης} ΚΥΚΛΟΥ ΜΕΤΡΗΣΕΩΣ"	
Υποέργο: GR1430003 - ΣΚΙΑΘΟΣ - ΚΟΥΚΟΥΝΑΡΙΕΣ	
Χώρα: Τετάρτη Οικιστική - Βιοκλιματική (Ελεγκτική Δομή)	
Κλίμα: 1: 4000	
Στοιχεία Ανάπτυξης: 8/ΣΑ/97	
Ανάδοχος: ΑΝΑΦΟΡΕΣ ΚΑΙ ΠΕΡΙΒΑΛΛΟΝ	Εκπαιδευτική Υπεύθυνος: ΓΕΩΡΓΙΟΣ ΚΑΡΑΜΑΝΩΛΗΣ ΕΠΙΜΟΡΦΟΣ Ε.Κ.Φ.Ε.
Συντάκτης: ΔΗΜΗΤΡΙΟΣ ΠΑΥΛΟΣ ΠΑΠΑΔΟΠΟΥΛΟΣ ΔΙΠΛΩΜΑΤΗΣ ΔΙΑΧΕΙΡΙΣΤΗΣ ΣΥΜΠΛΗΡΩΣΗΣ ΚΑΙ ΕΡΓΩΝ ΚΑΤΑΣΤΑΣΗΣ ΣΑΒΒΑΤ	Συντάκτης Σχεδίου: ΓΕΩΡΓΙΟΣ ΚΑΡΑΜΑΝΩΛΗΣ ΕΠΙΜΟΡΦΟΣ Ε.Κ.Φ.Ε.
Εκπαιδευτική Υπεύθυνος: ΓΕΩΡΓΙΟΣ ΚΑΡΑΜΑΝΩΛΗΣ ΕΠΙΜΟΡΦΟΣ Ε.Κ.Φ.Ε.	Συντάκτης Σχεδίου: ΔΗΜΗΤΡΙΟΣ ΠΑΥΛΟΣ ΠΑΠΑΔΟΠΟΥΛΟΣ ΔΙΠΛΩΜΑΤΗΣ ΔΙΑΧΕΙΡΙΣΤΗΣ ΣΥΜΠΛΗΡΩΣΗΣ ΚΑΙ ΕΡΓΩΝ ΚΑΤΑΣΤΑΣΗΣ ΣΑΒΒΑΤ
ΑΕΒΕ/ΕΜΠ/2000	

ΥΠΟΜΟΝΕΣ	
.....	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας
-----	Όριο Περιφέρειας - Οριο Περιφέρειας



Sheet Map GR.KYPA.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Dytiki Ellada and Peloponnisos, Iliia and Messinia, Kyparissia region

GPS Coordinates : N 37°28'6.26"
E 21°34'52.94"



Date of achievement

Methods

Size and accuracy

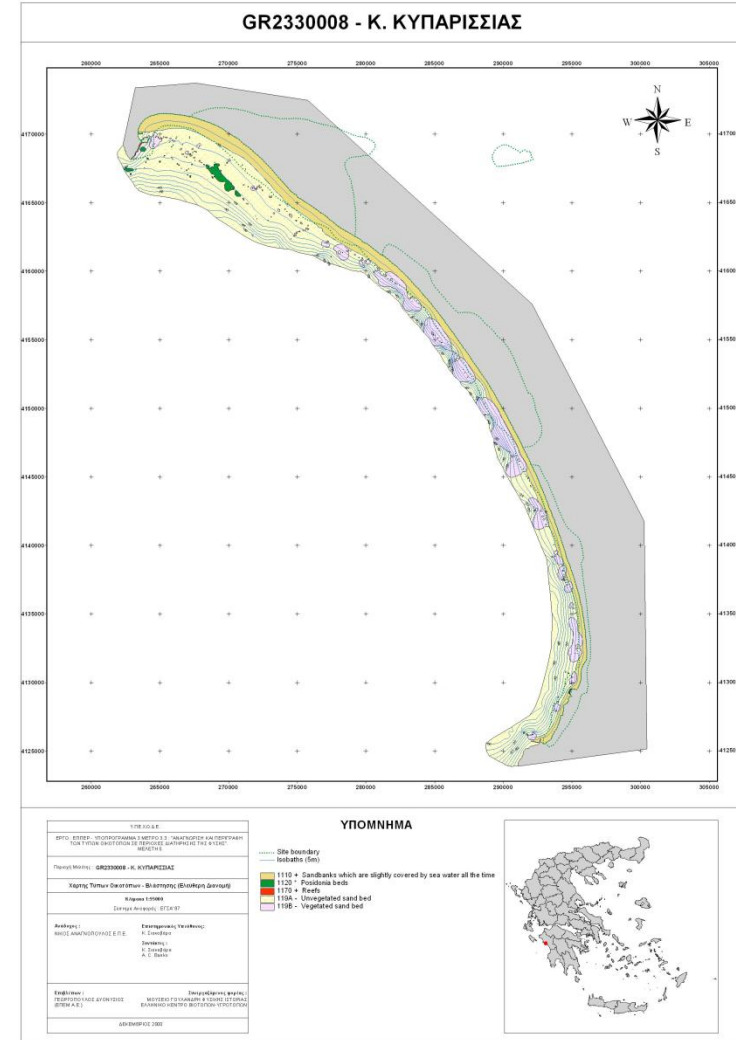
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.KYTH.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, North of Kythnos island

GPS Coordinates : N 37°27'15.63"
 E 24°23'10.34"



Date of achievement

Methods

Size and accuracy

Copyright

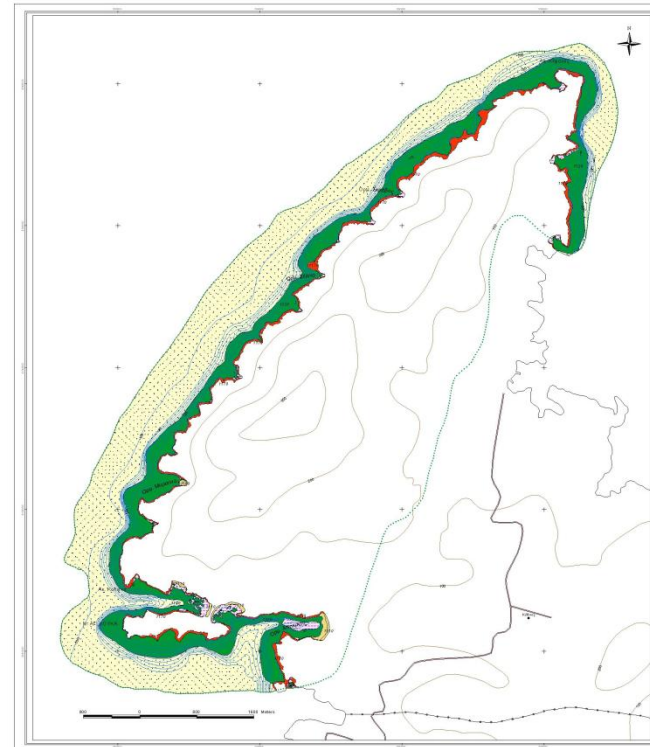
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4220010 - Β.Δ. ΚΥΘΝΟΣ - ΑΚΡ. ΚΕΦΑΛΟΣ



ΥΠΟΛΟΓΙΣΤΗΡΙΑ ΕΡΓΟ: ΕΣΕΠ - ΠΡΟΓΡΑΜΜΑ ΜΕΤΡΟ 3 - ΑΜΑΝΩΣΗ ΚΑΤΕΡΓΕΙΑΣ ΤΩΝ ΥΠΩΝΟΜΩΝ ΙΣΧΥΣΤΩΝ ΣΤΟ ΠΛΗΡΕΣ ΟΡΟΣΤΙΧΟ ΤΗΣ ΕΥΣΕ ΜΕΛΕΤΗ	
Πρωτοβουλία: GR4220010 - Β.Δ. ΚΥΘΝΟΣ - ΑΚΡ. ΚΕΦΑΛΟΣ	
Υπόψη: Τμήμα Οικιστικού - Βιολογίας (Επιθεωρ. Διοίκησης)	
κ. Σάββας Γ. ΠΑΝΟΣ Διοικητής Αποκλειστικής ΕΤΣΑ/ΕΥ	
Ανάθεση: ΑΝΑΠΟΡΤΕΥΣΤΗΣ ΜΕΛΟΣ	Ελεγχόμενη Υποθετική ΓΕΝΙΚΟΤΑΤΗΤΑ ΠΡΑΚΤΙΚΟΤΗΤΑΣ ΕΠΙΣΤΗΜΟΝΙΚΗΣ
Συντάκτης: ΔΙΟΙΚΗΤΗΣ ΑΡΧΙΤΕΚΤΟΝΙΚΗΣ ΕΡΓΩΝ ΕΠΙΧΕΙΡΗΣΕΩΝ ΠΡΟΓΡΑΜΜΑΤΟΣ ΜΕΤΡΟ 3 ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ ΥΠΟΥΡΓΕΙΟ ΠΕΡΙΒΑΛΛΟΝΤΟΣ, ΦΥΣΙΚΟΥ ΠΡΟΒΛΕΠΟΜΕΝΟΥ ΚΑΙ ΚΑΤΑΣΤΡΟΦΩΝ	
Ευχαριστώ πολύ:	Ανάθεση Υποθέσεων: ΠΕΡΙΦΕΡΕΙΑΚΟ ΣΥΜΒΟΥΛΙΟ ΚΥΘΝΟΣ
Μελέτη: ΠΟΛΙΤΕΧΝΕΙΟ ΚΡΗΤΗΣ ΕΡΓΑΣΤΗΡΙΟ ΒΙΟΛΟΓΙΑΣ ΚΑΙ ΟΙΚΙΣΤΙΚΗΣ	
ΔΕΚΕΜΒΡΙΟΣ 2009	

ΥΠΟΛΟΓΙΣΤΗΡΙΑ ● Ορισμός: Πηγή - - - - - Όριο Υποθέσεων - 100m ακτίνας - - - - - Όριο Υποθέσεων - 200m ακτίνας - - - - - Όριο Υποθέσεων - 300m ακτίνας - - - - - Όριο Υποθέσεων - 400m ακτίνας - - - - - Όριο Υποθέσεων - 500m ακτίνας - - - - - Όριο Υποθέσεων - 600m ακτίνας - - - - - Όριο Υποθέσεων - 700m ακτίνας - - - - - Όριο Υποθέσεων - 800m ακτίνας - - - - - Όριο Υποθέσεων - 900m ακτίνας - - - - - Όριο Υποθέσεων - 1000m ακτίνας	ΥΠΟΛΟΓΙΣΤΗΡΙΑ - - - - - Όριο Υποθέσεων - 100m ακτίνας - - - - - Όριο Υποθέσεων - 200m ακτίνας - - - - - Όριο Υποθέσεων - 300m ακτίνας - - - - - Όριο Υποθέσεων - 400m ακτίνας - - - - - Όριο Υποθέσεων - 500m ακτίνας - - - - - Όριο Υποθέσεων - 600m ακτίνας - - - - - Όριο Υποθέσεων - 700m ακτίνας - - - - - Όριο Υποθέσεων - 800m ακτίνας - - - - - Όριο Υποθέσεων - 900m ακτίνας - - - - - Όριο Υποθέσεων - 1000m ακτίνας	
--	---	--

Sheet Map GR.LEUK.001

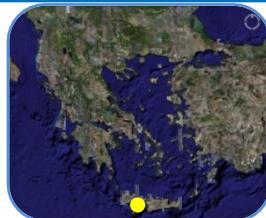
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Creta island, Leuka Ori region

GPS Coordinates : N 35°11'42.18"
E 24° 0'9.55"



Date of achievement

Methods

Size and accuracy

Copyright

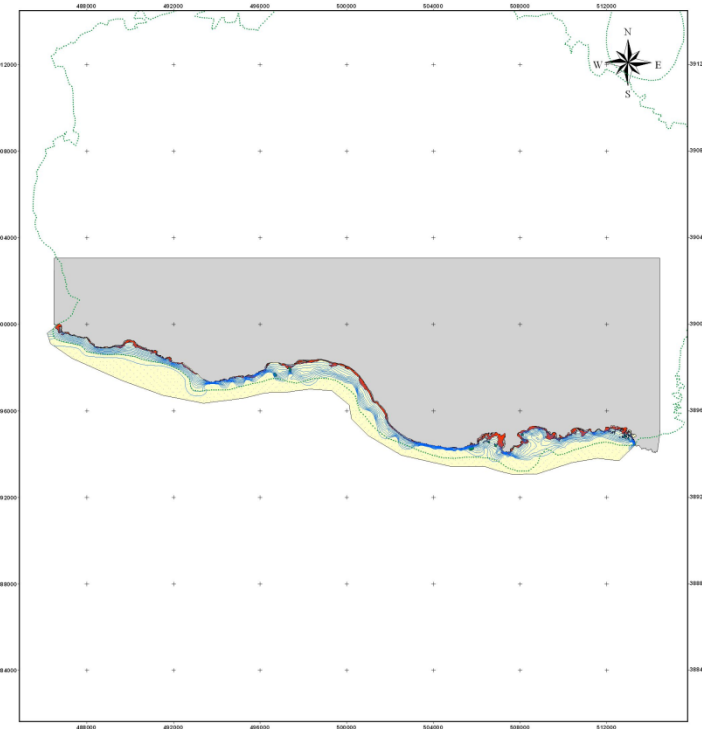
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4340008 - ΛΕΥΚΑ ΟΡΗ



ΥΠΟΜΝΗΜΑ	
•	S300 Caves
—	Site boundary
—	Isobaths (5m)
■	1120 - Psidium beds
■	1170 - Beach
■	117A - Unvegetated rocky bed (marine ecosystems)
■	118A - Unvegetated sand bed



Sheet Map GR.LICH.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Evia island, Lichada region

GPS Coordinates : N 38°49'58.14"
E 22°53'36.29"



Date of achievement

Methods

Size and accuracy

Copyright

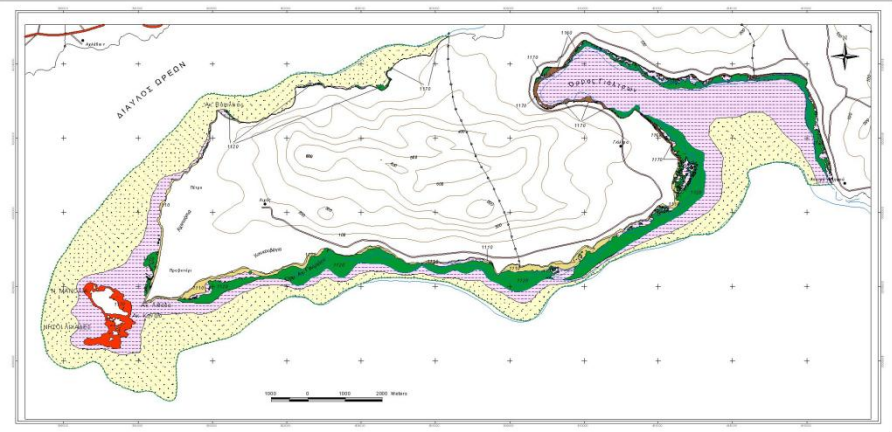
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR2420005 - ΤΕΛΕΘΡΙΟ - ΛΙΧΑΔΑ - ΓΙΑΛΤΡΑ



ΥΠΕΥΘΥΝΟΣ ΕΡΓΟΥ :		
ΕΦΟ - ΕΠΕΡΕ - ΥΠΟΠΡΟΓΡΑΜΜΑ 3 ΜΕΤΡΟ 3.3 "ΧΑΡΑΚΤΗΡΙΣΤΙΚΗ ΚΑΙ ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΤΥΠΩΝ ΟΜΟΤΥΠΟΥ ΚΕ ΣΠΕΡΙΝΕΣ ΣΙΑΤΡΕΦΕΣ ΤΗΣ ΘΥΡΑΣ" ΜΕΛΕΤΗΣ		
Παιράρσι Μελίσσι : GR2420005 - ΤΕΛΕΘΡΙΟ - ΛΙΧΑΔΑ - ΓΙΑΛΤΡΑ		
Χάρτης Τύπων Ομοοτυπίας - Βλαστήσης (Βλαστήρη Δασοφύλαξη)		
Κλίμακα 1:45000 Στοιχεία Αναστάσιος : ΕΓΔΚ 97		
Προέτοιμασι :	Επισημασμένοι Ύψοί :	
ΑΝΑΓΝΩΣΤΟΣΑΣ ΝΗΚΟΣ	ΔΙΑΜΕΤΡΙΤΕΛΗ ΔΙΑΜΕΤΡΙΤΗΣ ΕΡΕΥΝΗΤΕΣ Ε.Κ.Β.Ε.	
	Συν ΝΕΜΕΚΣ :	
	ΣΥΜΠΕΡΙΛΗΨΗ ΜΠΕΤΕΛΗΤΗΤ ΕΡΕΥΝΗΤΕΣ ΤΟΥΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ ΔΙΑΜΕΤΡΙΤΗΣ	
Επισημασμένοι Ομοοτυπίας :		Προέτοιμασι :
	ΓΕΩΡΓΙΟΣ ΤΡΙΑΝΤΑΚΗΣ	ΕΡΕΥΝΗΤΕΣ
	ΜΟΥΣΚΟΣ ΓΕΩΡΓΙΟΣ Κ. ΤΣΙΜΕΣ ΔΕ ΣΤΡΑΤΑΣ	ΣΥΜΠΕΡΙΛΗΨΗ ΜΠΕΤΕΛΗΤΗΤ
	ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ ΥΠΟΠΡΟΓΡΑΦΗ	ΜΠΕΤΕΛΗΤΗΤ
		ΕΡΕΥΝΗΤΕΣ
		2005

ΥΠΟΜΗΝΗΜΑ	
☒	Ομοοτυπίας - Τυπός
----	Ομοοτυπίας - Σημειώσεις
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας
---	Ομοοτυπίας - Αποψήφισμα Ομοοτυπίας



Sheet Map GR.LIVA.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Tinos island, Livada region

GPS Coordinates : N 37°36'17.39"
E 25°15'30.87"



Date of achievement

Methods

Size and accuracy

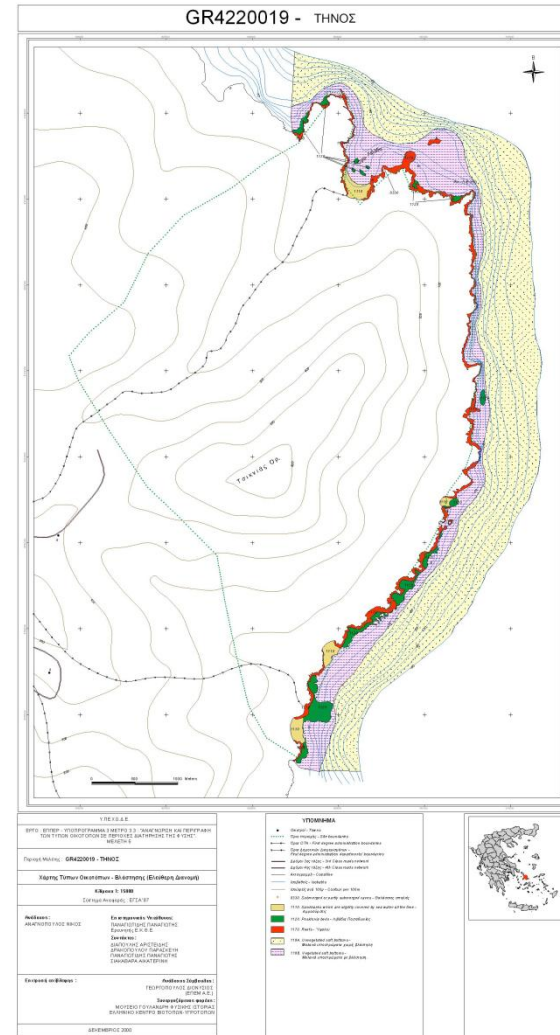
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.MEGA.001

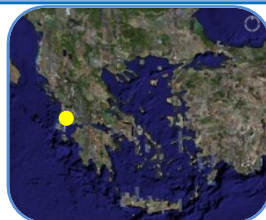
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Islands of Meganisi, Kalamos, Arkoudi, Kastos, Atakos, Vromonas, Makri and Oxeia

GPS Coordinates : N 38°31'53.53"
E 20°55'24.31"



Date of achievement

Methods

Size and accuracy

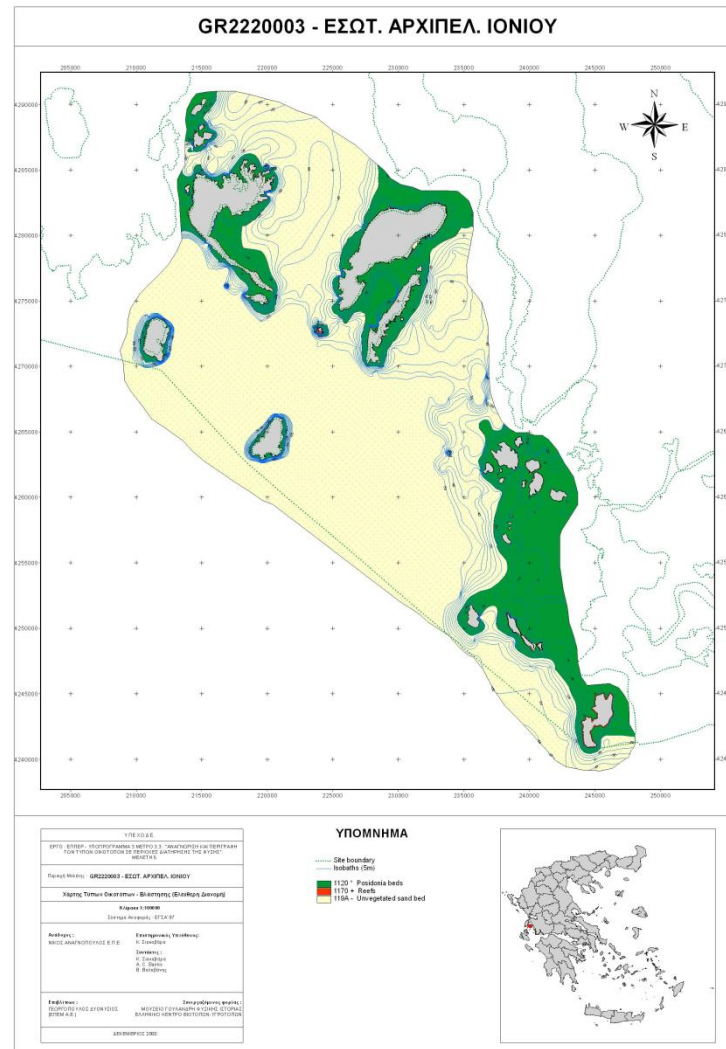
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.MEGI.001

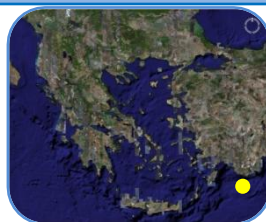
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, islands of Megisti and Strongiu

GPS Coordinates : N 36° 7'45.55"
E 29°36'9.19"



Date of achievement

Methods

Size and accuracy

Copyright

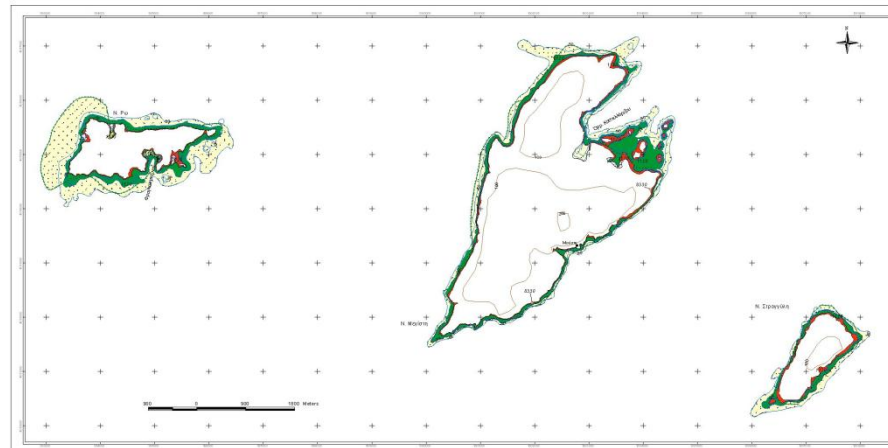
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4210004 - ΚΑΣΤΕΛΛΟΡΙΖΟ ΚΑΙ ΝΗΣΙΔΕΣ ΡΩ ΚΑΙ ΣΤΡΟΓΓΥΛΗ



ΥΠΕΥΘΥΝΟΣ	
ΕΡΓΟ: ΣΥΜΠΛΗΡΩΣΗ ΚΑΙ ΑΝΑΝΕΩΣΗ ΤΩΝ ΠΕΡΙΟΧΩΝ ΣΤΗΝ ΠΕΡΙΟΧΗ ΤΩΝ ΝΗΣΩΝ ΟΚΙΩΤΩΝ ΣΤΗ ΠΕΡΙΟΧΗ ΣΑΥΗΡΗΣΗΣ ΚΑΙ ΒΙΩΣΙΜΗΣ ΜΕΝΕΤΗΣ	
Ποσειδών Μάρτιος	GR4210004 - ΚΑΣΤΕΛΛΟΡΙΖΟ ΚΑΙ ΝΗΣΙΔΕΣ ΡΩ ΚΑΙ ΣΤΡΟΓΓΥΛΗ
Χώρα: Τήνος - Οικισμός - Βιολογικός (Βιολογική Διακρίση)	
Κλίμα: S.3000	
Επίπεδο Απειρίας: ΕΤΕΚ 87	
Αυθεντία:	Εταιρεία Διαχείρισης Τοπικών Διαφορών και Περιφέρειας Τήνου Ε.Κ.Β.Ε.
Αναφορές:	ΑΝΑΦΟΡΑ ΥΠΟΧΡΕΩΣΗ
Επιχειρησιακή Ομάδα:	ΜΟΤΙΒΟ ΠΟΛΥΤΕΧΝΕΙΟ ΚΑΙ ΟΡΓΑΝΙΣΜΟΣ ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ-ΚΤΑΡΤΩΤΩΝ
Αυθεντία Διαμόρφωσης:	ΓΕΩΓΡΟΦΙΚΟ ΔΙΑΧΕΙΡΙΣΤΙΚΟ ΣΥΣΤΗΜΑ (GIS)
Συντονιστική Ομάδα:	ΜΟΤΙΒΟ ΠΟΛΥΤΕΧΝΕΙΟ ΚΑΙ ΟΡΓΑΝΙΣΜΟΣ ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ-ΚΤΑΡΤΩΤΩΝ
ΔΕΚΕΜΒΡΙΟΣ 2003	

ΥΠΟΜΟΝΗ	
.....	Όριο Περιφέρειας - Σημειώνεται
-----	Απορροή - Οριοθύρα
-----	Οδοί (αριθμ.) - Δρόμοι
-----	Οδοί (αριθμ.) - Δρόμοι (αριθμ.)
+	0000 - Οριοθύρα ή οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0100 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0200 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0300 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0400 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0500 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0600 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0700 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0800 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	0900 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1000 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1100 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1200 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1300 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1400 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1500 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1600 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1700 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1800 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	1900 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)
■	2000 - Διακρίση που έχει οριοθύρα (αριθμ.) - Οριοθύρα (αριθμ.)

Sheet Map GR.METH.001

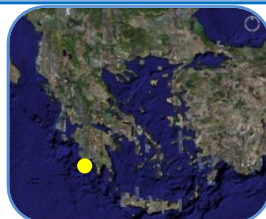
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece Peloponnisos, Messinia, Methoni region

GPS Coordinates : N 36°47'46.69"
E 21°43'43.07"



Date of achievement

Methods

Size and accuracy

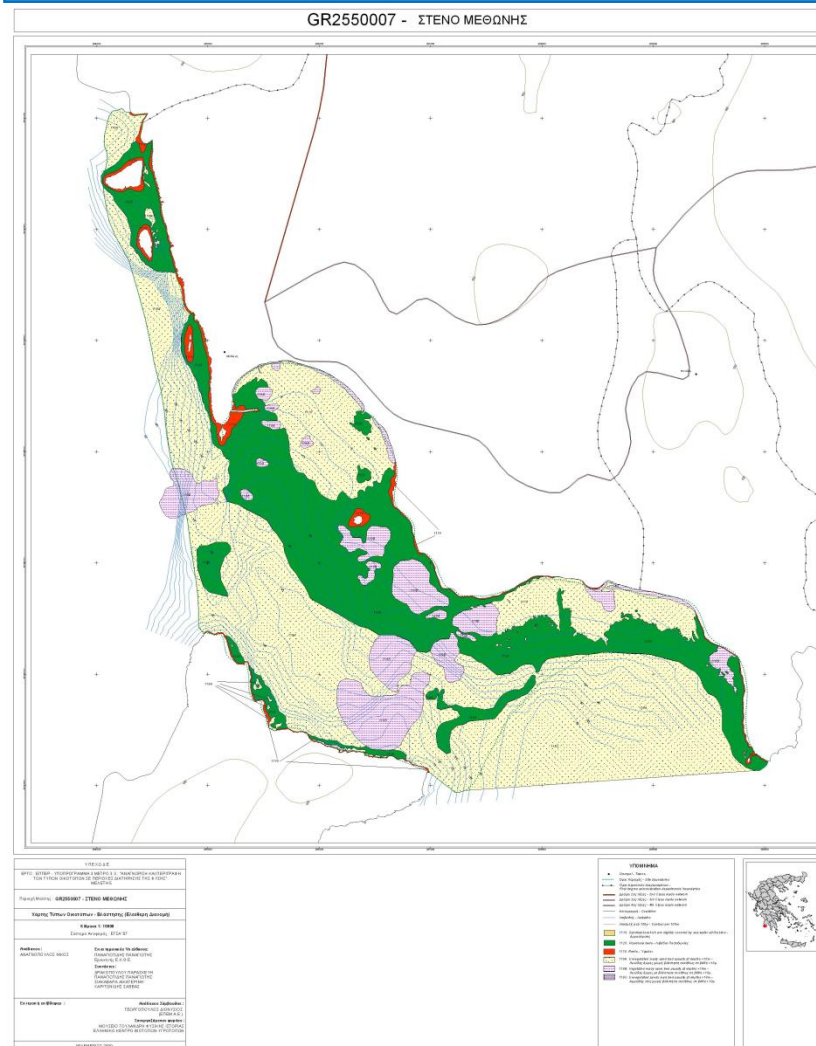
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.MILO.001

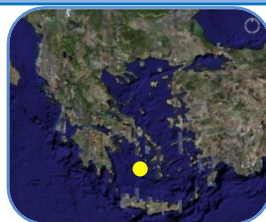
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, West of Milos island

GPS Coordinates : N 36°40'43.66"
E 24°19'2.37"



Date of achievement

Methods

Size and accuracy

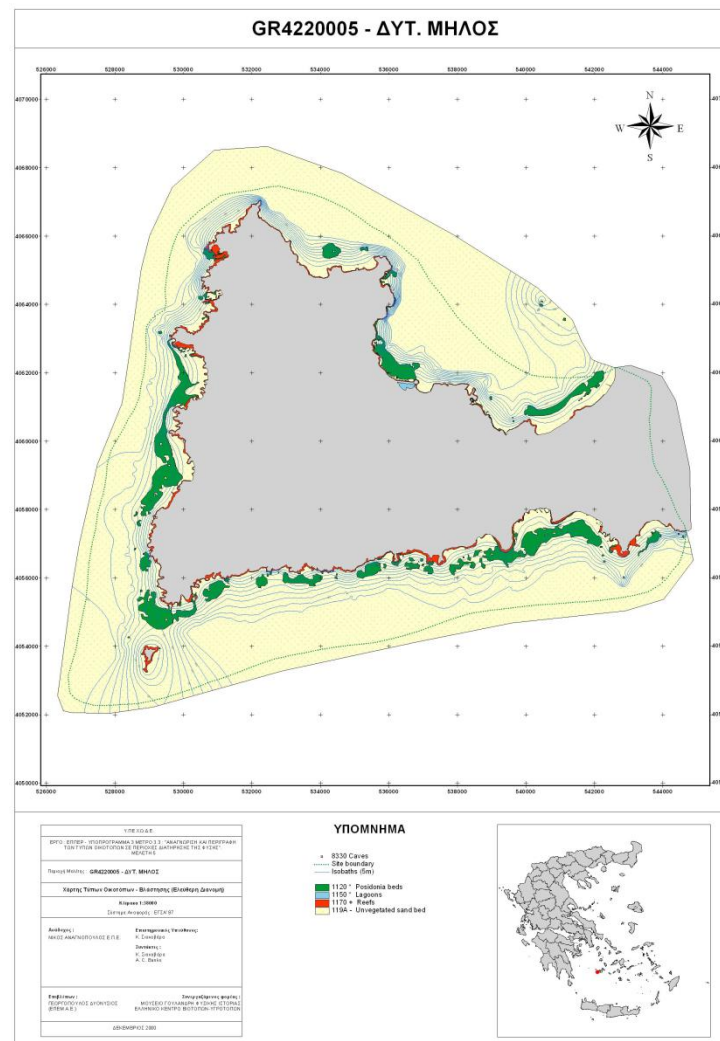
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.NISS.001

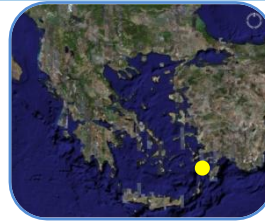
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Islands of Nissiros and Stongyli

GPS Coordinates : N 36°37'53.14"
E 27°11'10.43"



Date of achievement

Methods

Size and accuracy

Copyright

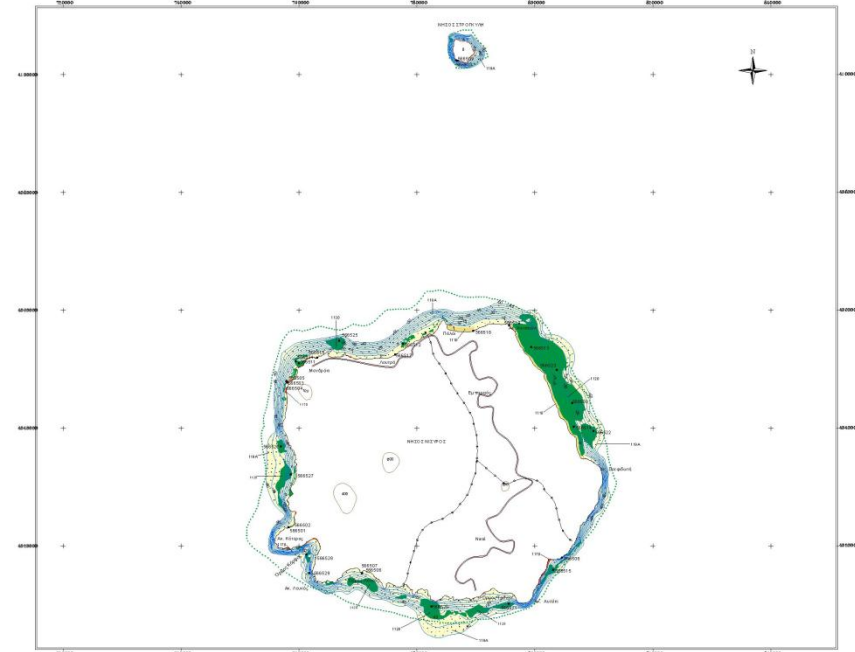
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4210007 - ΝΙΣΥΡΟΣ ΚΑΙ ΣΤΡΟΓΓΥΛΗ



ΥΠΕΡΧΩΔΕ	
ΕΡΓΟ: ΕΠΙΣΤ.-ΥΠΕΡΧΩΔΕΣ ΠΛΑΝΟ 3 ΜΕΤΡΩ 3.3 "ΑΝΑΡΧΙΤΕΚΤΟΝΙΚΗ ΚΑΙ ΠΕΡΙΦΕΡΑΗ ΤΩΝ ΠΥΛΩΝ ΟΜΟΤΟΡΩΝ ΕΙΣ ΤΗΡΙΣΙΕΣ ΔΕΛΤΑΙΩΣ ΤΗΣ ΨΥΛΗΣ ΜΕΘΕΤΗΣ"	
Στοιχείο Μητρώου: GR4210007 - ΝΙΣΥΡΟΣ ΚΑΙ ΣΤΡΟΓΓΥΛΗ	
Χάρτης Τεχνών Οικοδομών - Βιοκλιματικής (Βιοκλιματικός Δορυμνός)	
1:20000	
Σύστημα Αναφοράς: ΕΓΣΑ 87	
Αντικείμενο:	Εκείνη η περιοχή της ομώνυμης ΠΑΡΑΧΩΣΤΕΛΑΣ ΔΑΝΑΤΟΣΗΣ ΕΙΣ ΤΗΡΙΣΙΕΣ ΕΠΙΣΤΕ.
Στοιχεία:	ΟΡΓΑΝΙΣΜΟΣ ΣΤΡΟΓΓΥΛΗΣ ΔΕΛΤΑΙΩΣ, Ν.Α.Ε.Ε. ΤΕΧΝ. ΕΥΧΑΡΙΣΤΙΑ ΒΑΛΑΧΟΥ ΨΥΛΟΒΑΛΕΩΣ (ΜΒΣ) ΜΑΝΩΤΑΣ ΠΑΝΑΓΙΩΤΗΣ Τεχνικός Δ.Σ.Σ. ΣΥΛΛΑΒΑΡΑ ΑΝΑΚΤΗΡΗΝ Βαλάνης Ψυλλοβάλλου (ΠΦΣ)
Εκτύπωση σε 08/09/01:	Αντικείμενο Σχεδίασης: ΠΕΡΙΦΕΡΑΕΣ ΒΥΘΑΝΤΩΣΕΩΣ ΕΠΙΣΤΕ.Α.Ε.Ε.
Στοιχεία Σχεδίασης:	ΜΟΤΙΣΙΟ ΓΟΥΛΑΝΑΡΑ & ΣΥΝΕΡΓΕΣ ΕΤΑΙΡΕΙΑ ΕΚΜΕΤΕΧΕΥΜΕΝΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ ΥΠΟΤΟΠΩΝ
ΣΕΠΤΕΜΒΡΙΟΣ 2000	

ΥΠΟΜΟΡΦΙΑ	
•	Ζωή/Κατασκευαστική
—	Όρια & ομοιομορφία
—	Ασφάλτος/Παθ
—	Όχι Πλάστικο
—	Ασφάλτος
—	Ασφάλτος
—	Πλάστικο και ΠΡΑ
■	ΥΠΟ
■	ΥΠΟ
■	ΥΠΟ
■	ΥΠΟ



Το παρόν σχέδιο έχει τηριστεί σύμφωνα με το άρθρο 3.3 του Ν. 2291/94 (Κ.Α.Π. 102/94) και το άρθρο 3.3 του Ν. 2291/94 (Κ.Α.Π. 102/94).

Sheet Map GR.ORMO.001

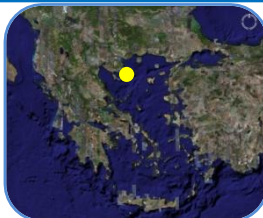
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Kentriki Makedonia, Chalkidiki, from Ormos Panagias to Karidi

GPS Coordinates : N 40°12'4.62"
E 23°46'26.63"



Date of achievement

Methods

Size and accuracy

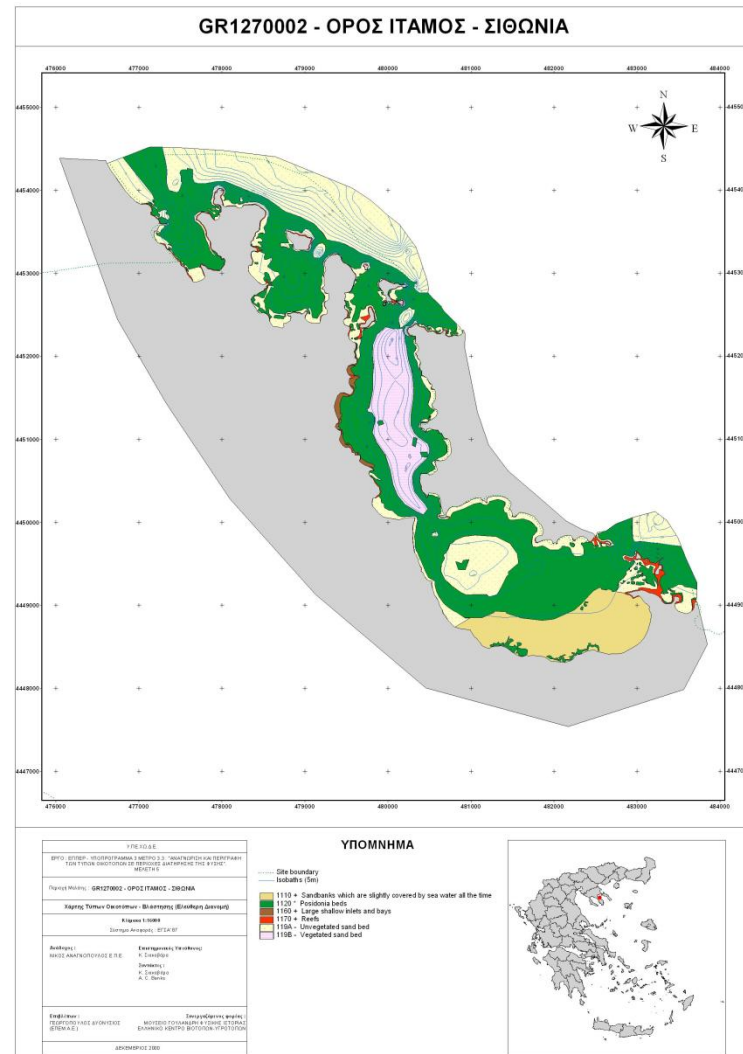
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.PALE.001

Reference

ALIANI S., BIANCHI C. N., COCITO S., DANDO. P. R., MELONI R., MORRI C., NIEMEYER A., PEIRANO A., ZIEBIS W., 1998. A map of seagrass meadows in Palaeochori Bay (Milos Island, Greece), a marine area with hydrothermal activity. Rapp. Comm. int. Mer. Médit., 35 : 512-513

Location

Greece, Milos island , Paleochori bay

GPS Coordinates : N 36°40'22.43"
E 24°31'5.82"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field

Size and accuracy

Copyright

Other

Map

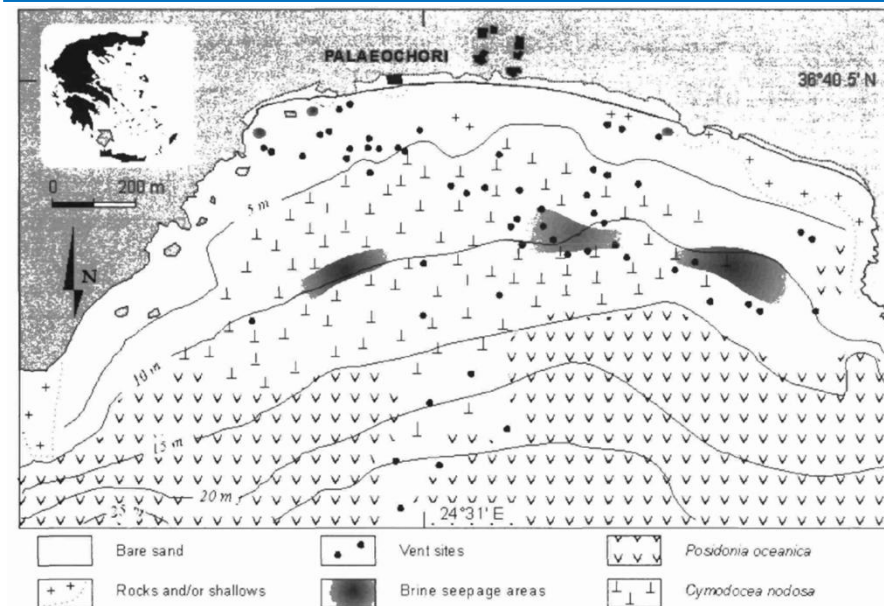


Figure 1 : Bathymetric map of Palaeochori Bay, Milos Island, with hydrothermal sites and seagrass meadows.

Sheet Map GR.PATA.001

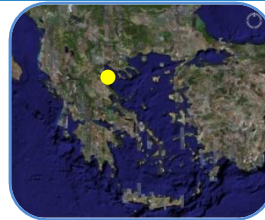
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Thessalia, Larisa, Platamonas region

GPS Coordinates : N 39°56'19.57"
E 22°43'24.22"



Date of achievement

Methods

Size and accuracy

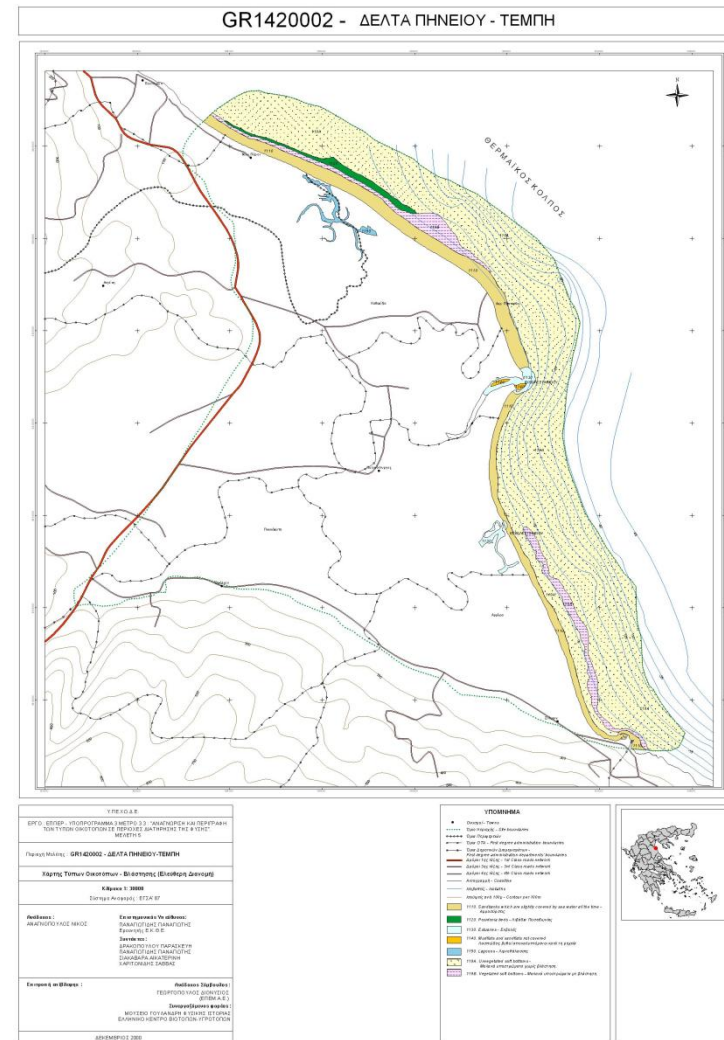
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.PERA.001

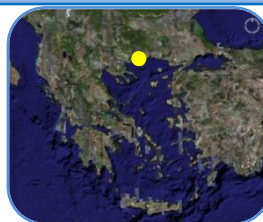
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Anatoloki Makedonia, Kavala, from Nea Peramos to Palio Tsifliki

GPS Coordinates : N 40°51'37.28"
 E 24°20'59.03"



Date of achievement

Methods

Size and accuracy

Copyright

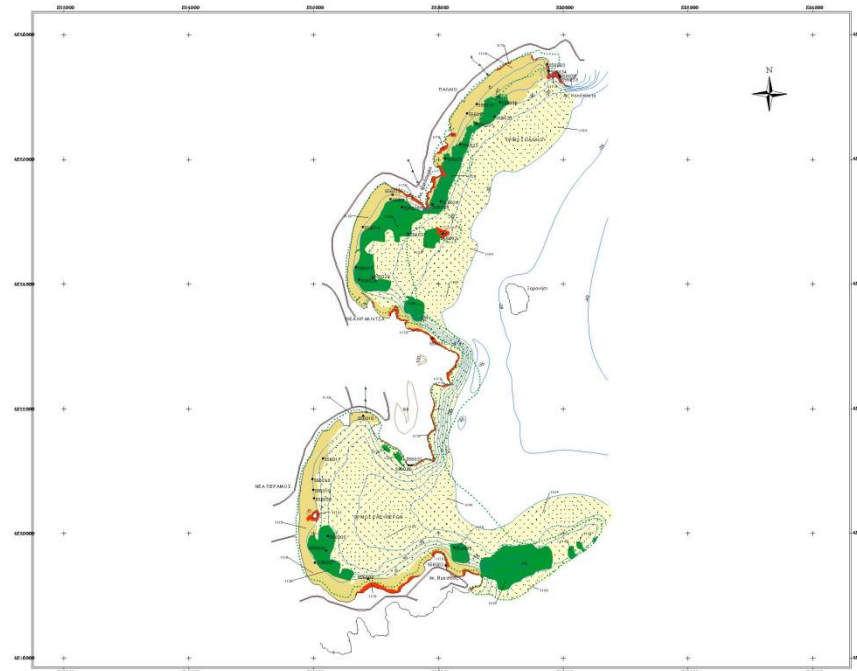
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR1150009 - ΚΟΛΠΟΣ ΠΑΛΑΙΟΥ - ΟΡΜΟΣ ΕΛΕΥΘΕΡΩΝ



ΥΠΟΛΟΓΙΣΤΙΚΑ	
●	Ζωική Ανατομία
→	Ομάδα Ανατομίας
→	Ομάδα ΟΤΑ
→	Αεροπορική
→	Αδελφοτική
→	Ομάδα Παιδείας
→	Αστυνομία
→	Υδραυλικά
→	Υπερακρωτήριο

ΥΠΟΛΟΓΙΣΤΙΚΑ	
■	1150 Ενδοχώρα μελέτη και μελέτη (Ενδοχώρα) Προστασία ΟΤΑ
■	1151 Ήπιος - Παιδιά
■	1152 Μελέτη ανάπτυξης και ανάπτυξη (Χρηματοδοτούμενη)
■	1153 Αρμενική (αυτονομία) και ανάπτυξη (αυτονομία) και ανάπτυξη (αυτονομία) και ανάπτυξη (αυτονομία)



Το διαγράμμα δείχνει τη περιοχή μελέτης και τη περιοχή μελέτης.

Sheet Map GR.POLY.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Polyaigos island

GPS Coordinates : N 36°47'19.04"
E 24°38'3.00"



Date of achievement

Methods

Size and accuracy

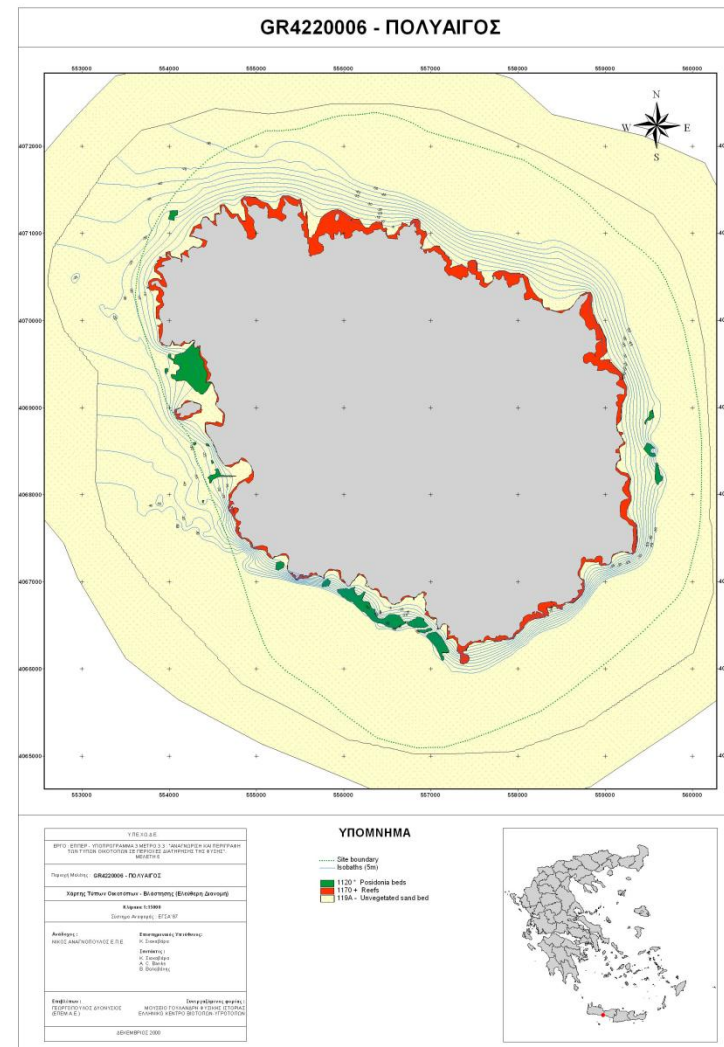
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.POUR.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Thessalia, Magnisia, Pouri region

GPS Coordinates : N 39°29'32.50"
E 23° 6'42.88"



Date of achievement

Methods

Size and accuracy

Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR1430001 - ΟΡΟΣ ΠΗΛΙΟ



ΕΡΓΟ: ΕΠΕΡ- ΣΥΣΤΗΜΑΤΑ ΣΕΤΡΟΣ 3 ΣΧΗΜΑΤΙΣΜΟΣ ΔΙΑΤΕΛΕΥΚΑΝ ΓΙΑ ΤΗΝ ΟΡΓΑΝΩΣΗ ΚΑΙ ΛΕΙΤΟΥΡΓΙΑ ΤΗΣ ΕΡΕΥΡΑΣ ΜΕΤΕΤΙΣ	
Πομπή Μαγιά: GR1430001 - ΟΡΟΣ ΠΗΛΙΟ	
Μεταξά Τμήμα Οργανισμού: Βιολογικός (Βιολογικός Οργανισμός)	
Κλίμακα 1:50.000 Σχέδια Αριθμοί: ΕΤΕΚ 07	
Αυθεντία: ΔΙΑΧΕΙΡΙΣΤΙΚΟ ΣΧΗΜΑ	Εκ ή Αρμόδια Νοσών: ΠΡΟΓΝΩΣΤΙΚΟ ΣΧΗΜΑΤΙΣΜΟΣ ΡΕΥΣΗ Ε.Κ.Ε.Ε.
Στοιχεία: ΠΡΑΚΤΙΚΟ ΕΚΕΤ ΣΧΗΜΑΤΙΣΜΟΣ ΤΗΣ ΟΡΓΑΝΩΣΗΣ ΚΑΙ ΛΕΙΤΟΥΡΓΙΑΣ ΤΗΣ ΕΡΕΥΡΑΣ ΜΕΤΕΤΙΣ ΤΗΣ ΠΕΡΙΟΧΗΣ ΤΗΣ ΜΕΤΕΤΙΣ	Παραπομπές: ΜΟΤΕΒΟ ΓΙΑ ΚΑΘΑΡΑ ΚΑΙ ΕΥΛΑΒΗ ΕΤΗΜΑΤΑ ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΣΥΝΕΡΓΙΑΣ
Επιτροπή & μεθόδους:	Αυθεντία Σχημάτων: ΕΠΙΤΡΟΠΗ ΑΝΕΣΤΙΣΤΕΣ ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ

ΥΠΟΣΗΜΑΝΣΗ	
●	Όριο της Ζώνης
-----	Οριοθυσία της Ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης
-----	Όριο της Ζώνης προστατευτικής ζώνης



Sheet Map GR.RETH.001

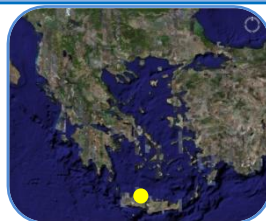
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of creta, Rethimno region

GPS Coordinates : N 35°23'8.44"
E 24°34'0.13"



Date of achievement

Methods

Size and accuracy

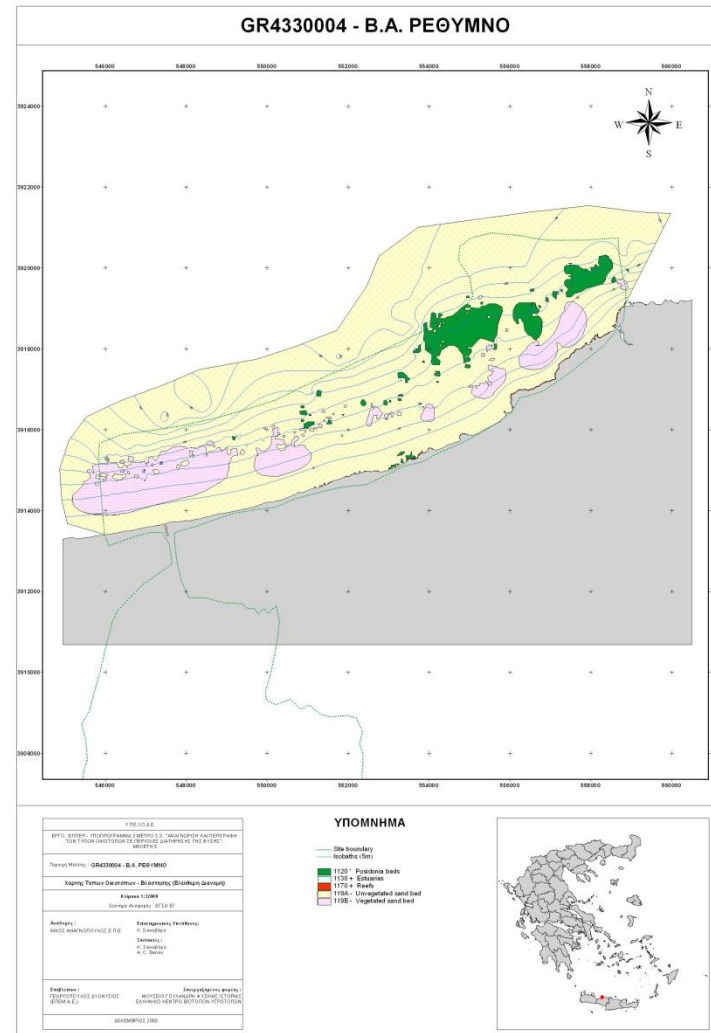
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.SAMO.001

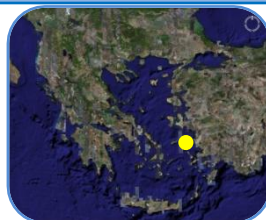
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Samos island, Drakei region

GPS Coordinates : N 37°46'56.15"
E 26°37'51.22"



Date of achievement

Methods

Size and accuracy

Copyright

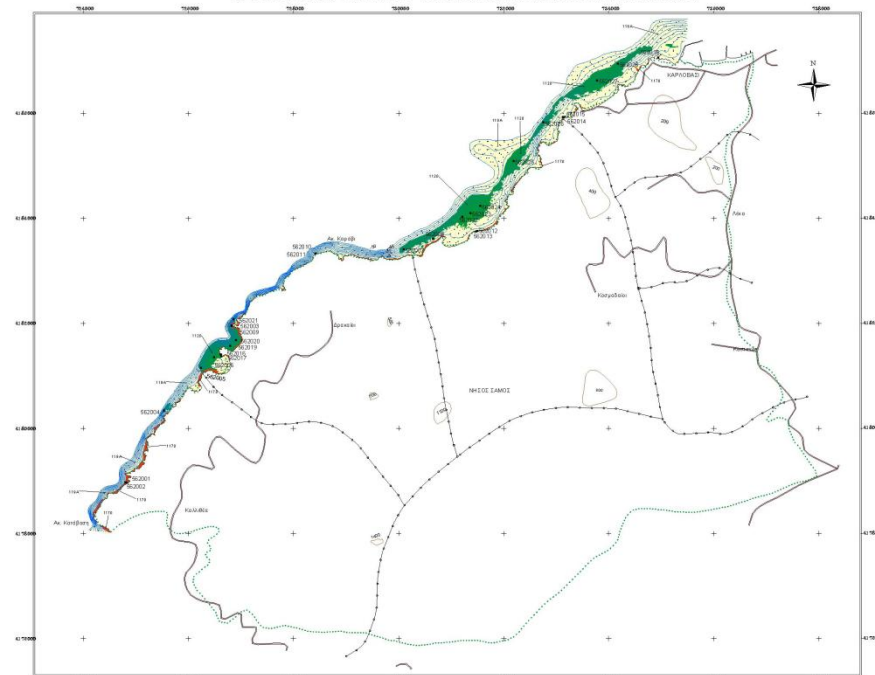
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4120003 - ΣΑΜΟΣ: ΟΡΟΣ ΚΕΡΚΕΥΤΕΥΣ - ΜΙΚΡΟ ΚΑΙ ΜΕΓΑΛΟ ΣΕΪΤΑΝΙ - ΔΑΣΟΣ ΚΑΣΤΑΝΙΑΣ ΚΑΙ ΛΕΚΚΑΣ



ΥΠΕΥΘΥΝΟΣ	
ΕΡΓΟ: ΕΠΙΠΛΩ - ΥΠΟΚΑΤΑΣΤΑΣΗ 3 ΜΕΤΡΩ 3.3 - ΜΕΛΕΤΗ ΚΑΙ ΠΕΡΙΦΑΝΗ ΤΩΝ ΠΥΛΩΝ ΟΙΚΟΔΟΜΩΝ ΕΞ ΕΡΕΥΡΑΣ ΤΗΣ ΚΥΣΗΣ - ΜΕΛΕΤΗΣ	
Παραγωγή Μελέτης: GR4120003 - ΣΑΜΟΣ: ΟΡΟΣ ΚΕΡΚΕΥΤΕΥΣ - ΜΙΚΡΟ ΚΑΙ ΜΕΓΑΛΟ ΣΕΪΤΑΝΙ - ΔΑΣΟΣ ΚΑΣΤΑΝΙΑΣ ΚΑΙ ΛΕΚΚΑΣ	
Κλίμα: Τίτλος: Οροσειρά - Βιότοπος (Εκθεσιακή Διάταξη)	
1:20000 Επίπεδο Ανάπτυξης: ΕΡΓΑ 87	
Αυθεντία: ΠΕΡΙΦΕΡΕΙΑΚΟΣ ΝΟΜΟΣ	Επιχειρησιακή Υπηρεσία: ΠΑΡΑΤΙΤΛΗΣ ΠΑΝΑΓΙΩΤΗΣ ΣΤΑΘΜΟΣ Ε.Κ.Σ.Ε. ΣΥΝΤΗΡΗΣ ΟΡΓΑΝΙΣΜΟΣ ΕΡΕΥΡΑΣ ΚΑΙ ΕΚ- ΤΑΣΗΣ ΣΥΣΤΗΜΑΤΟΣ ΒΙΟΤΟΠΩΝ (ΟΡΓΑΝΙΣΜΟΣ ΜΕΣ) ΜΑΝΤΙΛΑ ΒΑΛΕΑΝΙΑ ΤΕΡΜΗΣ, Ο.Σ.
Επιχειρησιακή Υπηρεσία: XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	Αυθεντία Διατήρησης: ΠΕΡΙΦΕΡΕΙΑΚΟΣ ΝΟΜΟΣ ΕΒΕΡΑΣ ΕΒΕΡΑΣ Συντηρητικός Όμιλος: ΜΟΝΤΕΡΟ ΓΟΝΑΝΙΩΝ ΚΑΙ ΤΩΝΕΣ ΣΤΕΡΝΑΣ ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ/ΥΠΟΚΑΤΑΣΤΑΣΗΣ
ΣΕΠΤΕΜΒΡΙΟΣ 2000	

- ΥΠΟΜΟΡΦΙΑ
- Σημείο αναφοράς
 - Οριο ΟΤΑ
 - Οριο Διαμερισμού Ομοιογενούς
 - Ακτίνα 500 μ. ΠΥΛΩΝ
 - Ακτίνα 100 μ. ΠΥΛΩΝ
 - Οριο Βιοτόπου
 - Ανομοιογενής
 - Υδροδότηση
 - Οριο ΟΤΑ 1990

- 1104: Μεγάλο υποκατασκευασμένο διαμερισμό - υποκατασκευασμένο κτίριο
- 1105: Κατασκευασμένο κτίριο που βρίσκεται στο διαμερισμό - κτίριο κτίριο
- 1170: Ήπειρος - Κέρκυρα



Το σχέδιο είναι έργο της Υπηρεσίας Σχεδίασης και Σχεδιασμού της ΥΠΕΧΟΔΕ. Το σχέδιο είναι της μορφής που είναι, χωρίς να αποσκοπεί στην επίτευξη ορισμένων αποτελεσμάτων από την υλοποίησή του.

Sheet Map GR.SANI.001

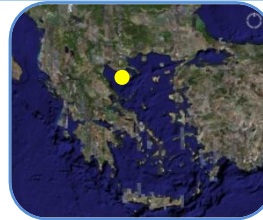
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Kentriki Makedonia, Chalkidiki, Sani region

GPS Coordinates : N 40° 4'35.46''
E 23°18'34.09''



Date of achievement

Methods

Size and accuracy

Copyright

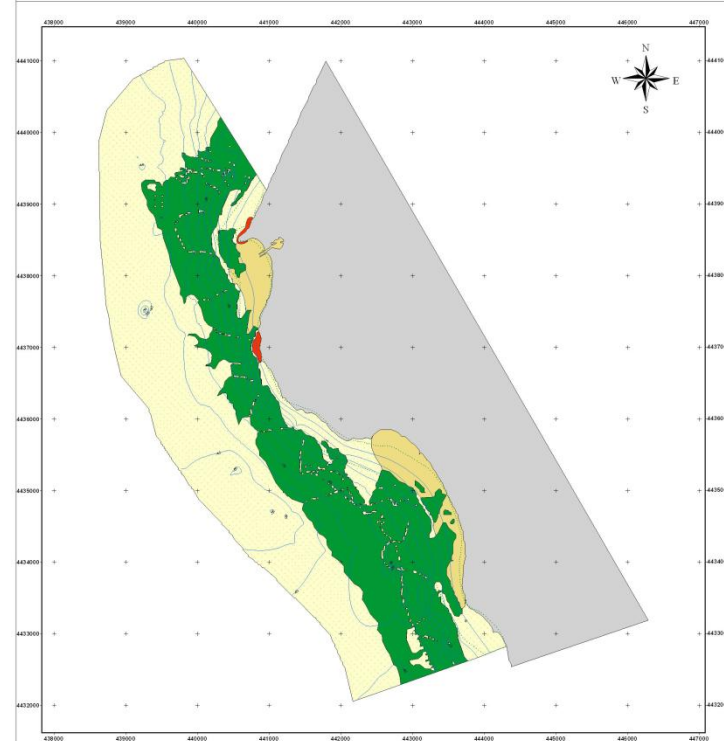
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

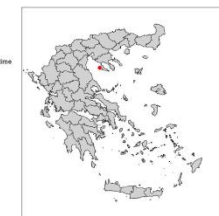
GR1270010 - ΑΚ.ΠΥΡΓΟΣΣ - ΚΥΨΑ - ΚΑΣΣΑΝΔΡΑ



ΥΠΟΛΟΓΟΣ	
ΕΡΓΟ:	ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΜΕΤΩΠΙΣΤΕΡΟ ΣΧΗΜΑΤΟΣ ΜΕΣΟΓΕΙΑΣ ΚΑΙ ΑΙΓΑΙΟΥ ΓΙΑ ΤΟ ΠΡΩΤΟ ΟΡΟΣΤΑΣΙΟ ΚΑΙ ΔΕΥΤΕΡΟ ΑΝΤΙΚΕΙΜΕΝΟ ΤΗΣ ΑΥΤΗΣ ΜΕΤΩΠΙΣΤΕΡΟ
Πλαίσιο Μέτρος:	GR1270010 - ΑΚ.ΠΥΡΓΟΣΣ - ΚΥΨΑ - ΚΑΣΣΑΝΔΡΑ
Κρατικός Τομέας/Οργανισμός - Βιολογία (Επαγγελματίας Δικαστής):	Κατασκήνωση
Ασκήσεις:	Διευθυντής: Δ. Πασαλάκης
	Υποσυντονιστής: Π. Σουλτάνος
	Επιπρόσθετοι: Α. Σουλτάνος, Α. Γ. Καραγιάννης, Β. Βουδούρης
Επιπλέον:	Επιχειρησιακό Μάκρο-προγραμμα ΜΕΣΟΓΕΙΑΣ ΚΑΙ ΑΙΓΑΙΟΥ ΚΑΙ ΔΕΥΤΕΡΟ ΑΝΤΙΚΕΙΜΕΝΟ ΤΗΣ ΑΥΤΗΣ ΜΕΤΩΠΙΣΤΕΡΟ (2007-2013)
Στοιχεία:	ΜΕΤΩΠΙΣΤΕΡΟ ΚΑΙ ΔΕΥΤΕΡΟ ΑΝΤΙΚΕΙΜΕΝΟ ΤΗΣ ΑΥΤΗΣ ΜΕΤΩΠΙΣΤΕΡΟ (2007-2013)

ΥΠΟΜΝΗΜΑ

- Site boundary
- Isobaths (1m)
- 1110 - Sandbanks which are slightly covered by sea water at the time
- 1120 - Posidonia beds
- 113A - Unvegetated sand bed



Sheet Map GR.SARI.001

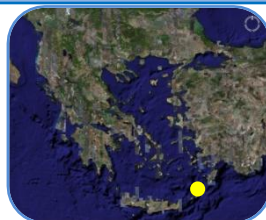
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Saria island and north of Karpathos island

GPS Coordinates : N 35°50'0.96"
E 27°13'5.49"



Date of achievement

Methods

Size and accuracy

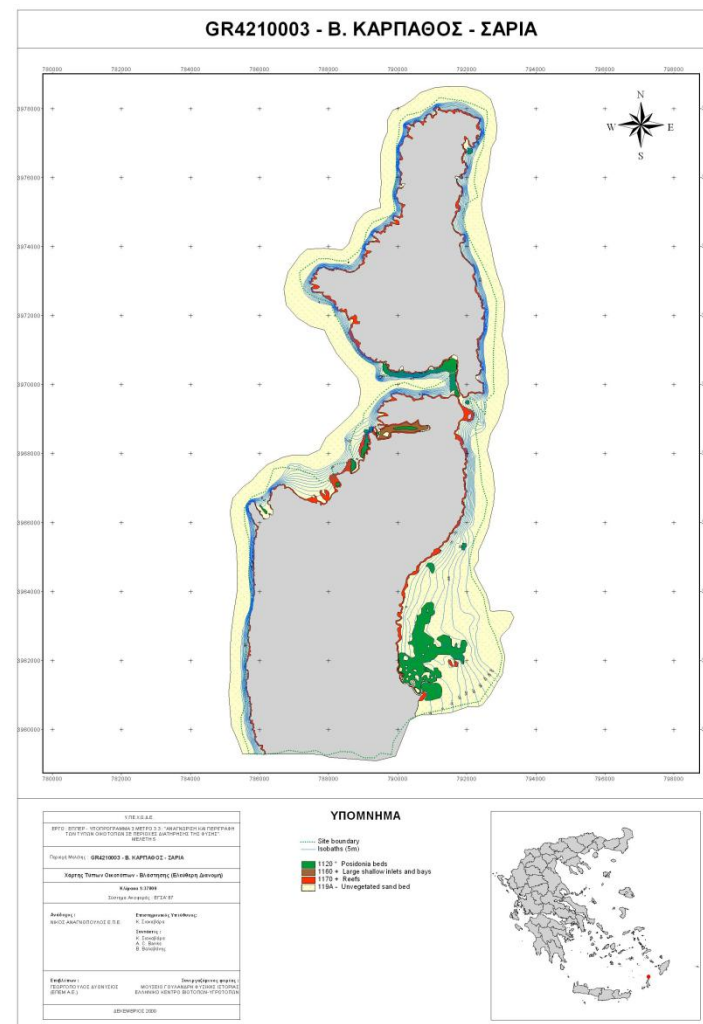
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.SIFN.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, West of Sifnos island

GPS Coordinates : N 36°56'48.07"
E 24°40'21.70"



Date of achievement

Methods

Size and accuracy

Copyright

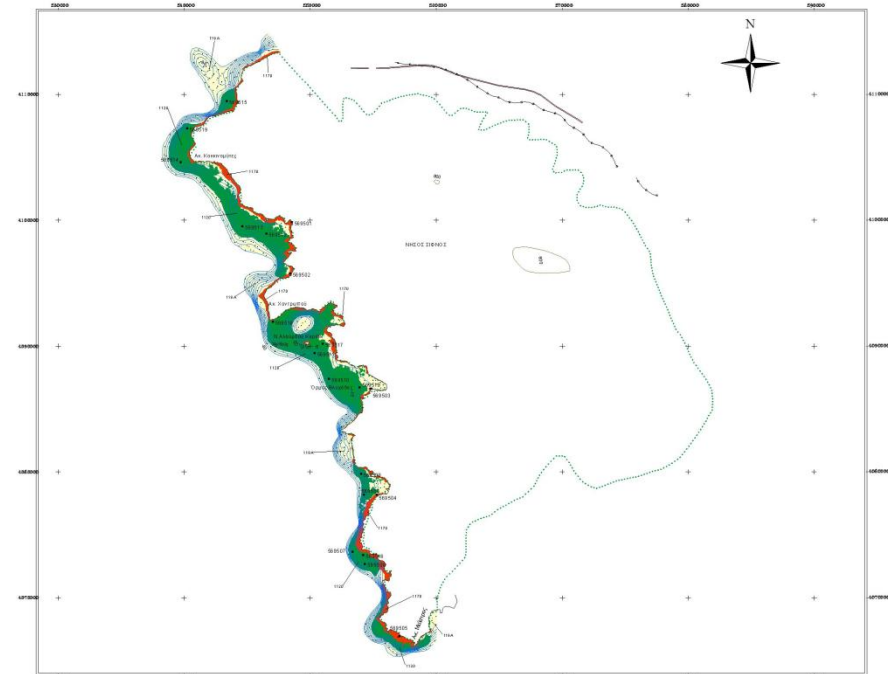
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4220008 - ΣΙΦΝΟΣ: ΠΡΟΦΗΤΗΣ ΗΛΙΑΣ ΜΕΧΡΙ ΔΥΤΙΚΕΣ ΑΚΤΕΣ



ΥΠΕΥΘΥΝΟΣ	
ΕΡΓΟ : ΕΣΤΡΑΤ. ΥΠΟΧΡΩΜΑΤΑ 3 ΜΕΤΡΩ 3.3 "ΑΒΑΤΟΡΕΙΑ ΚΑΛΠΕΡΕΡΑΚ-ΤΩΝ ΤΥΓΩΝ ΟΜΟΤΟΠΟΙ ΔΕ ΠΕΡΙΟΧΕΣ ΔΙΑΤΗΡΗΣΗΣ ΤΗΣ ΘΥΣΗΣ ΗΜΕΤΕΡΩΝ"	
Ποιητής Μηνύει : GR4220008 - ΣΙΦΝΟΣ: ΠΡΟΦΗΤΗΣ ΗΛΙΑΣ ΜΕΧΡΙ ΔΥΤΙΚΕΣ ΑΚΤΕΣ	
Χάρτης Τεχνών Οικιστικών - Βιοκλιματικής (Ελεκτήρας Διευθυντής)	
1:18000 Σύστημα Αναφοράς : ΕΤΓΑ 87	
Αυθεντία :	Εταιρεία Παρασκευαστών
ΑΝΕΚΟΤΟΜΟΛΟΓΟΣ ΜΗΧΟΣ	ΕΛΛΗΝΙΚΟ ΚΑΤΑΣΤΡΟΦΟΛΟΓΙΚΟ ΕΓΧΕΙΡΙΔΙΟ (Ε.Κ.Α.Ε.)
Συντάκτης :	ΟΡΓΑΝΙΣΜΟΣ ΣΥΝΤΗΡΗΣΗΣ ΕΡΓΩΝ ΚΑΙ ΒΑΛΕ ΤΕΧΝΕΣ ΣΤΑΣΙΝΟΣ ΒΑΛΑΝΗΣ (ΥΠΟΥΡΧΕΙΟ ΠΟΥ)
	ΜΑΝΤΣΑ ΣΑΧΣΑΚΙΑ ΤΟΥΡΟΥ Δ.Ι.Σ.
Επιτροπή Έκθεσης :	Αυθεντία Σχεδιασμού :
XXXXXXXXXXXXXXXXXXXX	ΓΕΩΓΡΟΦΙΚΟ ΚΑΙ ΔΙΑΧΕΙΡΙΣΤΙΚΟ ΣΥΣΤΗΜΑ (GIS)
XXXXXXXXXXXXXXXXXXXX	Συμμετέχοντες φορείς :
	ΜΟΥΣΕΙΟ ΕΥΛΑΛΙΑΡΗ - ΕΥΣΕΒΗ ΣΤΟΡΙΑΣ
	ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΕΧΝΟΛΟΓΙΑΣ
ΔΕΝΕΜΒΡΙΟΣ 2000	

ΥΠΟΜΝΗΜΑ	
●	Ζώνες Οικιστικής
→	Οριοί Απορροής
—	Οριοί της Ψύξης
—	Οριοί Παραρτήματος
—	Ακτογραμμή
—	Οδοί
—	Συνορεύσεις Ψύξης
■	100 : Ζώνη Απορροής Απορροής με Διεύθυνση (Προβλεπόμενη) Απορροής
■	1000 : Ήπιος - Άριστος
■	10000 : Μακροπρόθεσμα κίνηση (Προβλεπόμενη) Απορροής



Το παρόν σχέδιο αποτελεί προϊόν έργο του ΥΠΟΥΡΧΕΙΟΥ ΠΕΡΙΒΑΛΛΟΝΤΟΣ ΚΑΙ ΦΥΣΙΚΩΝ ΠΟΡΩΝ. Το σχέδιο είναι υπό την εποπτεία του ΥΠΟΥΡΧΕΙΟΥ ΠΕΡΙΒΑΛΛΟΝΤΟΣ ΚΑΙ ΦΥΣΙΚΩΝ ΠΟΡΩΝ.

Sheet Map GR.SOUG.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Creta island, Sougia region

GPS coodinates : N 35°13'45.27"
E 23°46'24.56"



Date of achievement

Methods

Size and accuracy

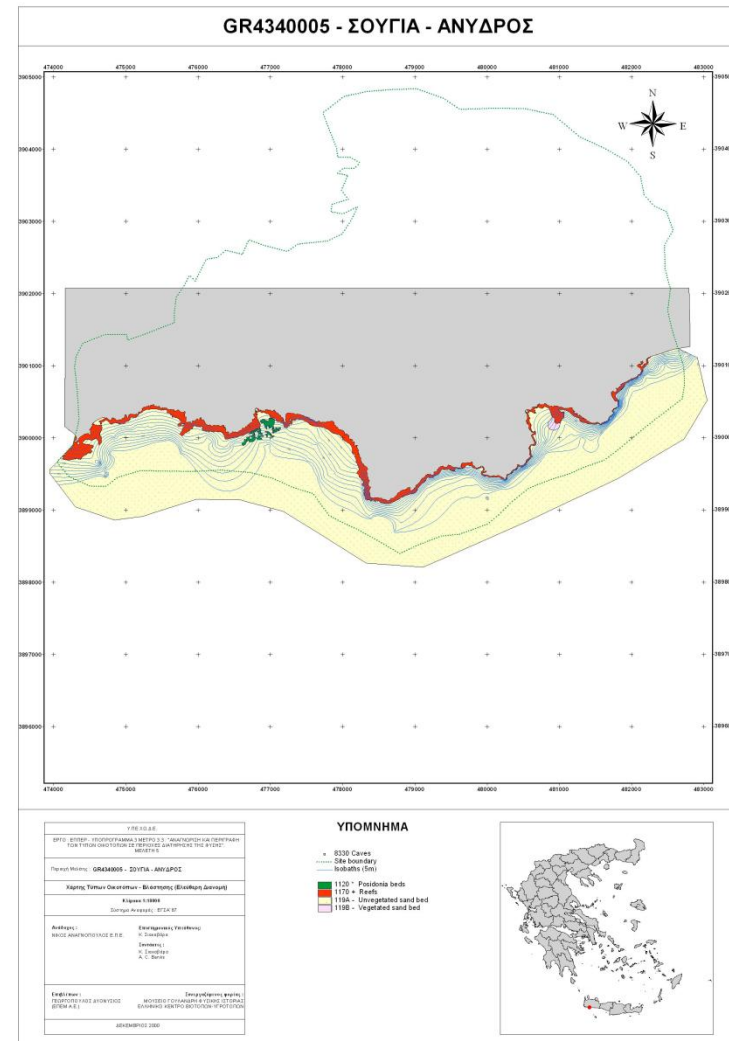
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.SOUN.001

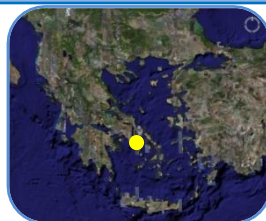
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Attiki, Anatoliki Attiki, from Patroklou island to Cap Sounion

GPS Coordinates : N 37°39'9.63"
E 23°59'14.12"



Date of achievement

Methods

Size and accuracy

Copyright

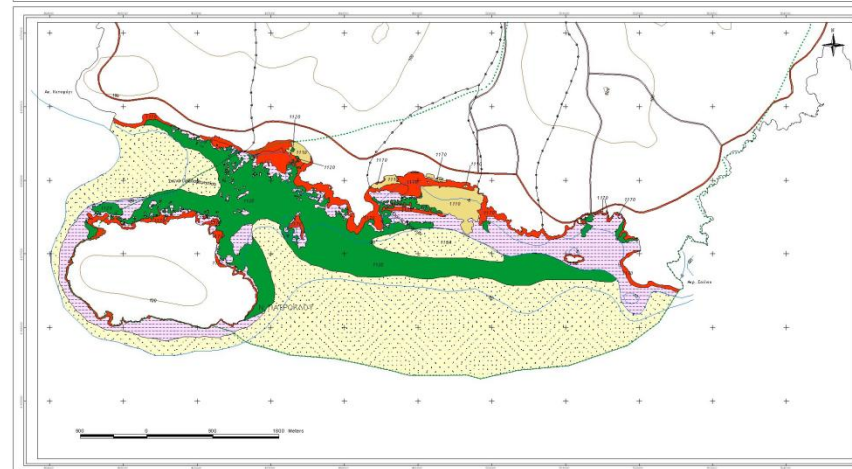
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR3000005 - ΣΟΥΝΙΟ - ΠΑΤΡΟΚΛΟΣ



ΥΠΕΥΘΥΝΟΣ	
ΕΡΓΟ: ΣΥΜΠΛΗΡΩΣΗ ΠΡΟΓΡΑΜΜΑΤΟΣ ΜΕΤΡΟ 2.3 "ΑΝΑΓΚΟΝ ΚΑΙ ΠΕΡΙΡΑΦΗ ΤΩΝ ΤΥΠΩΝ ΟΜΟΤΥΠΙΑΣ ΣΕ ΠΕΡΙΣΤΑΣΙΑ ΣΑΤΗΡΗΣ ΤΗΣ ΨΥΧΗΣ ΜΕΛΕΤΗΣ"	
Πρωτεύς Μηχανικός: GR3000005 - ΣΟΥΝΙΟ - ΠΑΤΡΟΚΛΟΣ	
Χάρτης Τύπων Ομοτιπίας - Βιοκλιματική (Εκτέλεση Διανομής)	
Κλίμακα 1:22.500	
Στοιχεία Αναφοράς: ΕΓΓΑ 97	
Αντέλεγχος:	Εκτελεστική Υπόθεση:
ΑΝΑΠΟΤΥΠΩΣΗ ΜΗΔΕΣ	ΠΑΝΑΓΙΩΤΗΣ ΠΑΝΑΓΙΩΤΗΣ
	ΕΡΜΙΝΙΟΣ Σ. Σ. Σ. Ε.
	Συντάκτης:
	ΔΙΑΚΟΝΟΣ ΑΡΧΙΤΕΚΤΟΝΙΚΗΣ
	ΔΡΑΚΟΠΟΥΛΟΥ ΠΑΡΑΣΚΕΪΗ
	ΠΑΝΑΓΙΩΤΗΣ ΠΑΝΑΓΙΩΤΗΣ
	ΣΚΑΒΑΡΑ ΑΔΑΜΑΝΤΙΝΗ
Εκτύπωση σε: 08/09/01	Αντέλεγχος Σχεδίου:
	ΓΕΩΡΓΙΟΣ ΚΑΩΣ ΔΥΝΑΤΙΔΗΣ
	(ΕΠΕΜ.Α.Σ.)
	Συμπληρωματικές πληροφορίες:
	ΜΟΤΕΣΟ ΓΟΥΛΑΝΩΝ Η ΓΕΩΣΤΡΟΦΙΑΣ
	ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ ΒΙΟΤΟΠΩΝ ΥΠΟΠΟΤΩΝ
ΔΕΝΕΜΒΡΙΟΣ 2000	

ΥΠΟΜΟΝΕΣ	
.....	Όριο Περιοχής - Διεθνή Σύνορα
-----	Όριο ΟΤΑ - Πρωτεύς Ομοτιπίας Διανομής
-----	Όριο ΟΤΑ 100% - Διεθνή Σύνορα
-----	Όριο ΟΤΑ 100% - Διεθνή Σύνορα
-----	Αποκλιση - Ομοτιπία
-----	Ομοτιπία - Ομοτιπία
-----	Ομοτιπία - Ομοτιπία - Συνορεύει με ΟΤΑ
-----	ΟΤΑ 100% Διακρίσεις - Όριο Ομοτιπίας - Διεθνή Σύνορα
-----	ΟΤΑ 100% - Όμοτιπία
-----	ΟΤΑ 100% Διακρίσεις - Όριο Ομοτιπίας - Διεθνή Σύνορα
-----	Όριο Ομοτιπίας - Διεθνή Σύνορα
-----	Όριο Ομοτιπίας - Διεθνή Σύνορα



Sheet Map GR.SPOR.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Sporades islands

GPS Coordinates : N 39°17'28.93"
E 24° 0'11.43"



Date of achievement

Methods

Size and accuracy

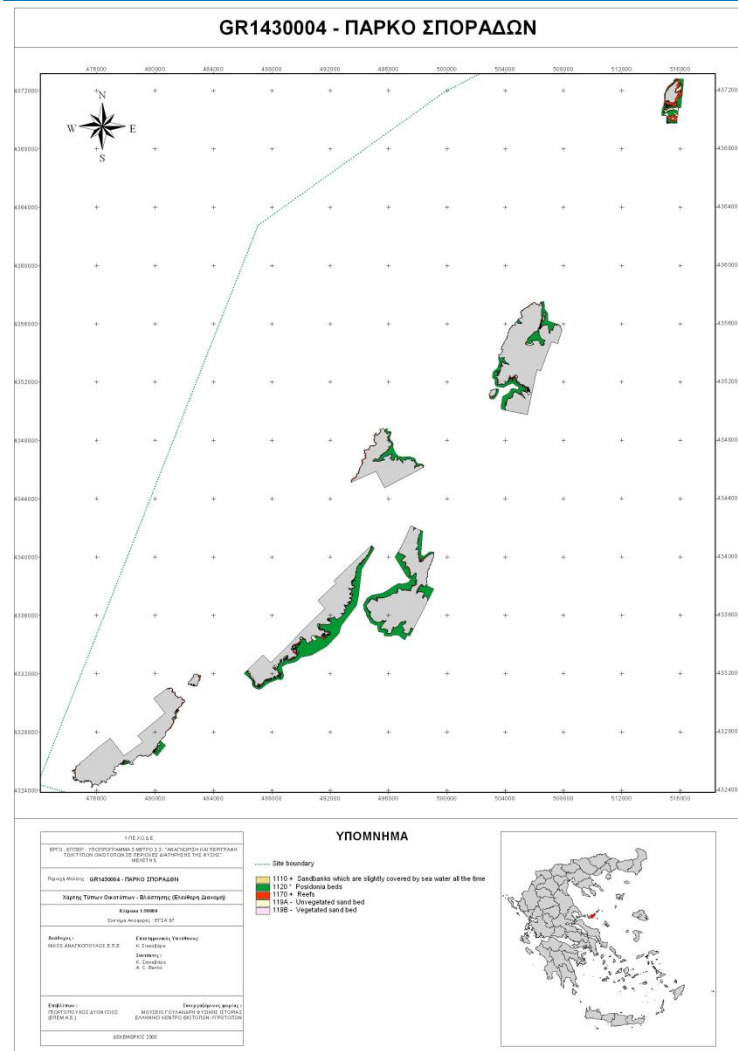
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.THAS.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Thasos island, East of Limenaria

GPS Coordinates : N 40°37'34.58"
E 24°31'14.61"



Date of achievement

Methods

Size and accuracy

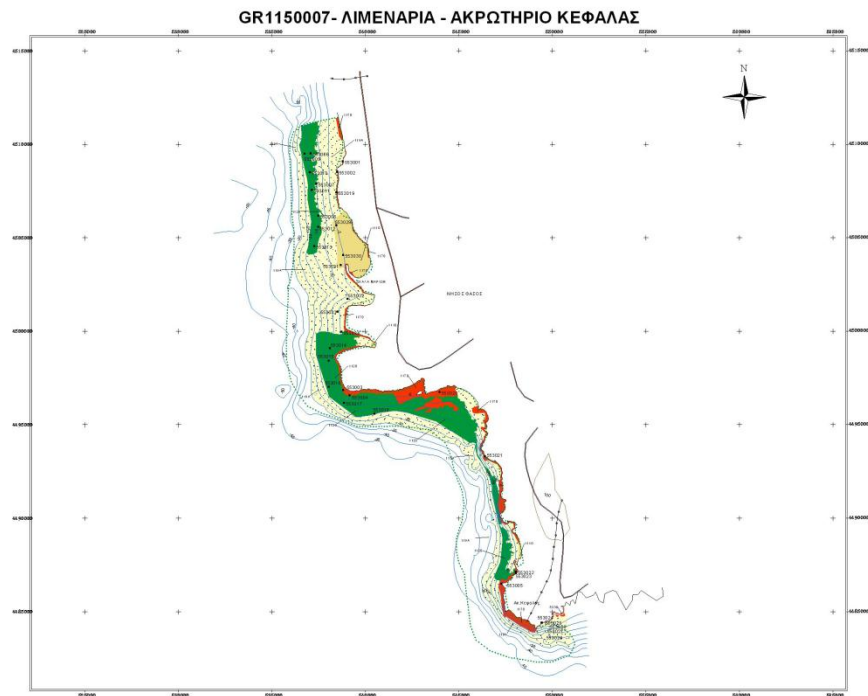
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



ΥΠΕΧΟΔΕ	
ΕΡΓΟ: ΕΠΙΣΤ.- ΠΡΟΤΥΠΟΧΑΡΤΗΣ ΜΕΤΡΟΣ 1:3 "ΛΙΜΕΝΑΡΙΩΝ ΣΑΤΙΣΤΕΡΙΑΣ ΤΩΝ ΤΥΠΩΝ ΟΡΟΓΡΑΦΩΝ ΕΚ ΠΕΡΙΟΧΗΣ ΔΙΑΜΟΡΦΗΣ ΤΗΣ ΕΥΡΩΣΗΣ ΜΕΣΗΣ"	
Πορεία Μελέτης :	GR1150007- ΛΙΜΕΝΑΡΙΑ - ΑΚΡΩΤΗΡΙΟ ΚΕΦΑΛΛΑΣ
Χάραξη Τίτλων Ομοσπονυ - Βασιστικής (Ελευθέριος Γαλαριός)	
1:12000 Στοιχεία Αν. Μητρώο: ΕΡΓΑ 97	
Αριθμός: 1122000	
ΑΝΑΓΝΩΣΤΕΣ ΥΠΟΧΕΙΡΟΙ:	Εκ ομοσπονυ Υποχέτοι:
ΠΑΝΑΓΙΩΤΗΣ ΔΑΜΑΓΙΩΤΗΣ Ελευθέριος Γ. Γ. Β.	ΠΑΝΑΓΙΩΤΗΣ ΔΑΜΑΓΙΩΤΗΣ Ελευθέριος Γ. Γ. Β.
Συντάκτης:	ΟΡΓΑΝΙΣΜΟΣ ΕΥΡΩΠ. ΕΡΕΥΝΩΝ (N.A.T.O.)
	ΤΣΜ/ΤΑΞΙΑΤΕΛΕΙΑ Βελώνος, Ήρωδοτ. 10, Α.Ε.
	ΜΑΝΤΕΛΙ ΔΙΔΑΧΑΛΑ Τεχνολ. Ο.Σ.
	ΣΥΜΒΟΥΛΟΓΙΚΟ ΚΑΤΕΡΓΗΜΑ Βελώνος, Ήρωδοτ. 10, Α.Ε.
Εκ ομοσπονυ Υποχέτοι :	Αριθμός Υποχέτου:
00000000000000000000	ΓΕΩΡΓΙΟΣ ΠΡΟΣ ΔΡΟΜΙΟΥΣ
XXXXXX XXXXXXXXXX	(ΕΡΓΑ 97)
	Συντελεστές: εμπρός:
	ΜΟΤΕΣΟ ΦΟΥΛΑΔΑΚΗ & ΥΙΟΣ ΣΤΟΡΙΑΣ
	ΒΙΛΙΑΝΟ ΚΑΡΝΤΟ ΒΙΟΤΕΧΝΟΓΡΑΦΟΙ
	ΔΕΚΕΜΒΡΙΟΣ 2000



Το θάλασμα στην τις μετρώο 1:3 (ΑΝΑΓΝΩΡΙΣΤΕΙ ΣΑΤΙΣΤΕΡΙΑΣ ΤΩΝ ΤΥΠΩΝ ΟΡΟΓΡΑΦΩΝ ΕΚ ΠΕΡΙΟΧΗΣ ΔΙΑΜΟΡΦΗΣ ΤΗΣ ΕΥΡΩΣΗΣ ΜΕΣΗΣ)

Sheet Map GR.THER.001

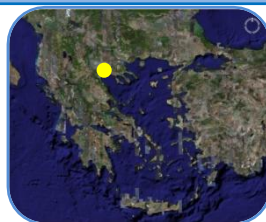
Reference

HARITONIDIS S., DIAPOULIS A., NIKOLAIDIS G., 1990. First results on the localisation of the herbiers of marine phanerogams in the gulf of Thermaikos. *Posidonia Newsletter*, 3(2) : 11-18

Location

Greece, Thessalonika, Thermaikos gulf

GPS Coordinates : N 40°30'41.83"
E 22°47'21.29"



Date of achievement

1978

Methods

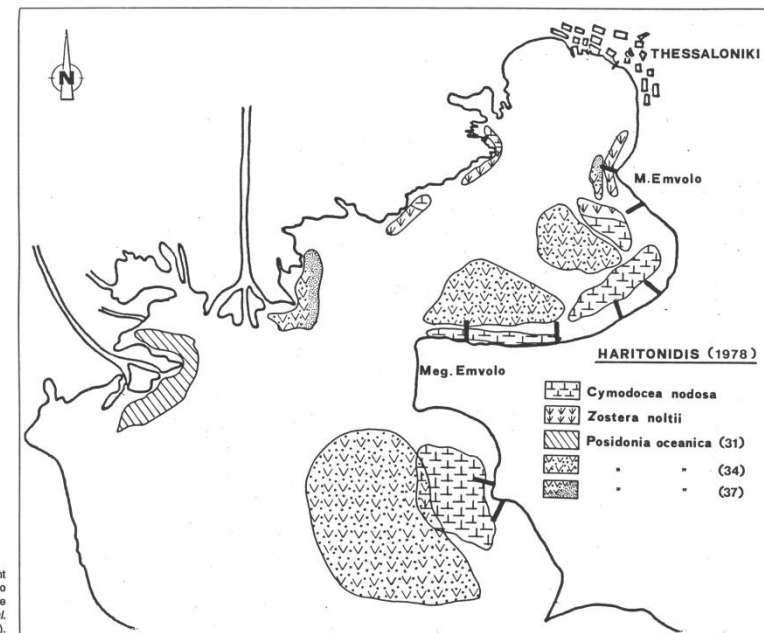
Bibliographic Synthesis from the document :
HARITONIDIS S., 1978. Contribution to the research of marine plant macrophyceae (Chloro-, Phaeo- and Rhodo-phyceae) of Thermaikos Gulf. Dissertation, Thessaloniki Greece, (in Greek with English summary) : 1-175

Size and accuracy

Copyright

Other

Map



Sheet Map GR.THER.002

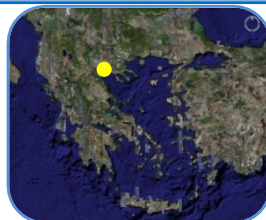
Reference

HARITONIDIS S., DIAPOULIS A., NIKOLAIDIS G., 1990. First results on the localisation of the herbiers of marine phanerogams in the gulf of Thermaikos. *Posidonia Newsletter*, 3(2) : 11-18

Location

Greece, Thessalonika, Thermaikos gulf

GPS Coordinates : N 40°30'41.83"
E 22°47'21.29"



Date of achievement

1985

Methods

Bibliographic Synthesis from the document :
NIKOLAIDIS G., 1985. Qualitative and Quantitative investigation of the marine plant macrophyceae (Chlorophyceae, Phaeophyceae and Rhodophyceae) in different polluted (Thessaloniki Gulf) and no polluted areas (Chalkidiki). Dissertation, Thessaloniki, Greece, (in Greek with English summary) : 1-163

Size and accuracy

Copyright

Other

Map

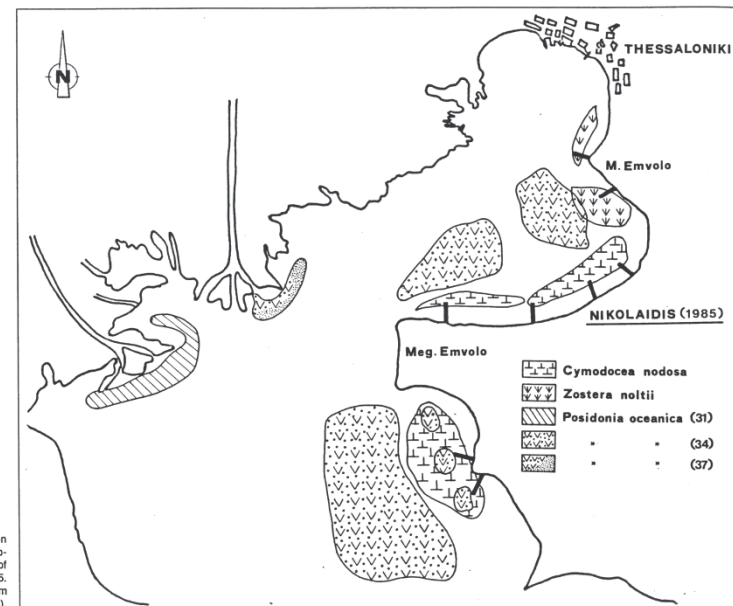


Figure 3 : The situation of marine phanerogams in the gulf of Thermaikos in 1985. Symbols are from Meinesz *et al.* (1985).

Sheet Map GR.THER.003

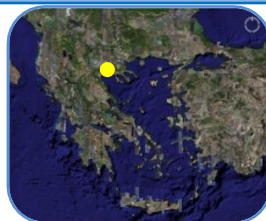
Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, Kentriki Makedonia, Thessaloniki, South – East
Thermaikos gulf

GPS Coordinates : N 40° 21'33.34"
E 22° 52'34.24"



Date of achievement

Methods

Size and accuracy

Copyright

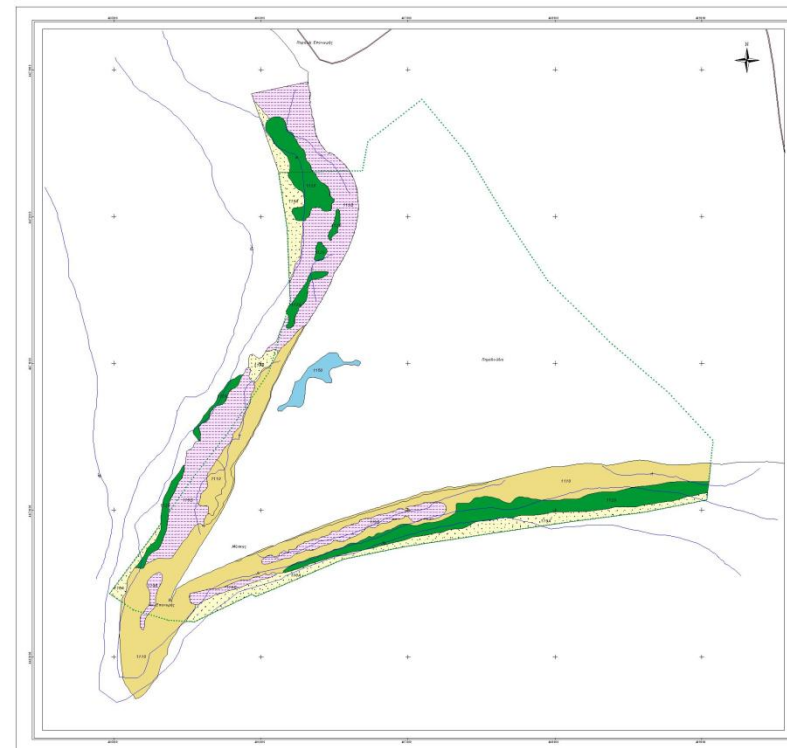
Ministry for the environment, physical planning and public works

Other

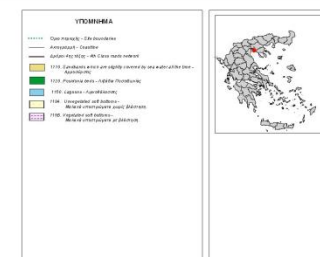
YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR1220004 - ΛΙΜΝΟΘΑΛΑΣΣΑ ΕΠΑΝΩΜΗΣ



ΥΠΕ Κ.Σ.Α.Ε.	
ΕΡΓΟ: ΣΥΜΠΛΗΡΩΣΗ ΚΑΡΤΗΣ ΣΤΑ "ΛΙΜΝΟΘΑΛΑΣΣΑ ΕΠΑΝΩΜΗΣ ΚΑΙ ΤΕΡΜΑΤΙΣΜΟΣ ΤΗΣ ΓΥΝΑΙΚΟΚΟΙΤΗΣ ΣΕ ΠΕΡΙΣΤΕΡΕΣ ΔΙΑΤΡΑΧΕΣ ΤΗΣ Θ. ΠΕΛΑΓΟΥΣ"	
Πολεοδομ. Μολύσι: GR1220004 - ΛΙΜΝΟΘΑΛΑΣΣΑ ΕΠΑΝΩΜΗΣ	
Χάρτης: Τέρμας Οικισμού - Βιοεργασιών (Ειδική Διαμόρφ.)	
Κλίμακα: 1: 10000	
Στοιχεία σε κελύφος: 100x100 κμ	
Αυθεντικός:	Εκπαιδευτικός Υπεύθυνος:
ΑΝΑΠΤΥΚΤΙΚΟΣ ΣΥΜΒΟΥΛΟΣ	ΔΙΕΥΘΥΝΤΗΣ ΔΙΑΧΕΙΡΙΣΗΣ
	ΚΑΡΤΩΝΕΣ Κ.Σ.Α.Ε.
	Συντάκτης:
	ΔΙΕΥΘΥΝΤΗΣ ΓΕΩΓΡΑΦΙΚΗΣ
	ΕΚΔΟΣΗΣ ΚΑΡΤΩΝ
	ΔΙΑΧΕΙΡΙΣΗΣ ΚΑΡΤΩΝ
	ΚΑΡΤΩΝΕΣ Κ.Σ.Α.Ε.
Επιμέλεια σε κελύφος:	
	Αυθεντικός Υπεύθυνος:
	ΔΙΕΥΘΥΝΤΗΣ ΔΙΑΧΕΙΡΙΣΗΣ
	ΚΑΡΤΩΝΕΣ Κ.Σ.Α.Ε.
	ΜΟΥΣΟΥ ΠΟΛΙΤΙΚΗΣ ΚΑΙ ΠΟΛΙΤΙΚΗΣ
	ΕΚΔΟΣΗΣ ΚΑΡΤΩΝ
	ΚΑΡΤΩΝΕΣ Κ.Σ.Α.Ε.
ΣΕΠΤΕΜΒΡΙΟΣ 2003	



Sheet Map GR.TING.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Kos, Tingaki region and Kos region

GPS Coordinates : N 36°54'4.93"
E 27°18'25.57"



Date of achievement

Methods

Size and accuracy

Copyright

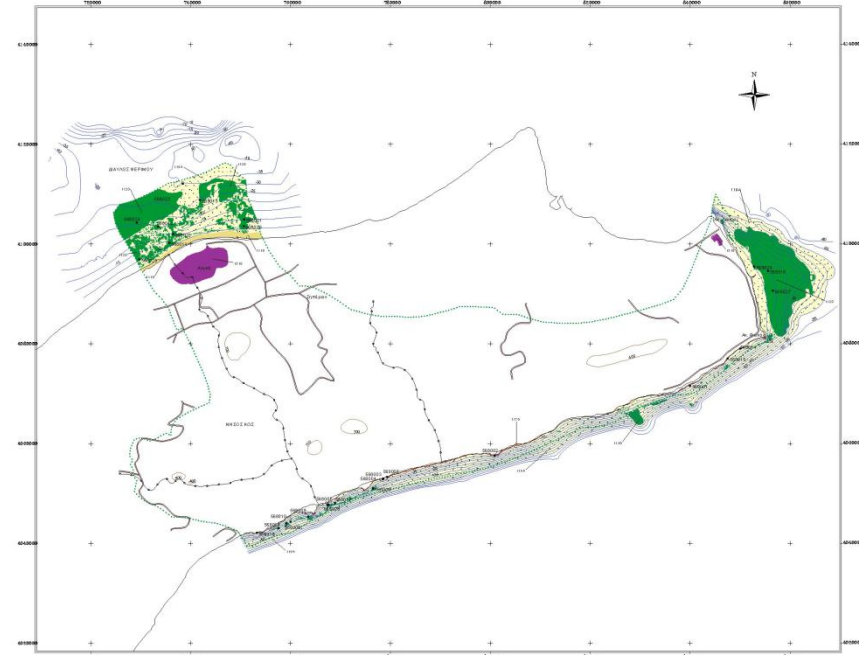
Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map

GR4210008 - ΚΩΣ: ΑΚΡΩΤΗΡΙΟ ΛΟΥΡΟΣ - ΛΙΜΝΗ
ΨΑΛΙΔΙ - ΟΡΟΣ ΔΙΚΑΙΟΣ - ΑΛΥΚΗ



ΠΡΟΛΟΓΟΣ	
ΟΡΓΑΝΙΣΜΟΣ: ΥΠΟΥΡΓΕΙΟ ΠΑΡΑΤΑΞΗΣ ΚΑΙ ΑΣΦΑΛΕΙΑΣ ΤΗΣ ΠΑΤΡΙΔΟΣ ΤΜΗΜΑ ΓΕΩΓΡΑΦΙΑΣ ΚΑΙ ΧΡΗΣΗΣ ΤΟΥ ΧΩΡΟΥ ΚΑΤΑΣΤΑΣΙΑΣ ΧΩΡΟΥ	
Πρωτόκολλο: GR4210008 - ΚΩΣ: ΑΚΡΩΤΗΡΙΟ ΛΟΥΡΟΣ - ΛΙΜΝΗ ΨΑΛΙΔΙ - ΟΡΟΣ ΔΙΚΑΙΟΣ - ΑΛΥΚΗ	Χάρτης Τυπών Οικοτόπων - Βιοσφαιρική (Βιοσφαιρική Δοσολογία)
1:40.000 Στοιχεία Αναγραφής: ΕΓ 24 07	
Αιτιολογία: ΑΝΑΓΩΓΗ ΣΤΟ ΕΠΙΠΕΔΟ ΤΗΣ ΧΡΗΣΗΣ ΤΟΥ ΧΩΡΟΥ	Εκτελεστικό Υπόμνημα: ΟΡΓΑΝΙΣΜΟΣ: ΥΠΟΥΡΓΕΙΟ ΠΑΡΑΤΑΞΗΣ ΚΑΙ ΑΣΦΑΛΕΙΑΣ ΤΗΣ ΠΑΤΡΙΔΟΣ ΤΜΗΜΑ ΓΕΩΓΡΑΦΙΑΣ ΚΑΙ ΧΡΗΣΗΣ ΤΟΥ ΧΩΡΟΥ ΚΑΤΑΣΤΑΣΙΑΣ ΧΩΡΟΥ
Εκτελεστικό Υπόμνημα: ΕΚΤΕΛΕΣΤΙΚΟ ΥΠΟΜΝΗΜΑ	Αιτιολογία (Προβλεπόμενη): ΠΡΟΒΛΕΠΟΜΕΝΗ ΧΡΗΣΗ ΧΩΡΟΥ
Στοιχεία Αναγραφής: ΜΟΝΙΜΟ ΠΟΛΙΤΙΚΟ ΚΕΝΤΡΟ ΒΙΟΣΦΑΙΡΙΚΗΣ ΧΡΗΣΗΣ	Στοιχεία Αναγραφής: ΜΟΝΙΜΟ ΠΟΛΙΤΙΚΟ ΚΕΝΤΡΟ ΒΙΟΣΦΑΙΡΙΚΗΣ ΧΡΗΣΗΣ
ΔΕΚΕΜΒΡΙΟΣ 2008	

ΥΠΟΜΝΗΜΑ	
<ul style="list-style-type: none"> Σημείο (Σημείωση) Οδός 2ης Οδός (Κατασκευασμένη) Αστική (Σημείωση) Δρόμος (Σημείωση) Κατασκευασμένη Ποταμός Ποταμίσια κρήνη 	<ul style="list-style-type: none"> 1100 Αρτοποιία (Σημείωση) (Σημείωση) (Σημείωση) 1105 Κατασκευασμένη (Σημείωση) (Σημείωση) 1110 Ψαλίδι - Αλυκή 1140 Αρτοποιία (Σημείωση) (Σημείωση) (Σημείωση) 1150 Αρτοποιία (Σημείωση) (Σημείωση) (Σημείωση)



Το θ-άκοντο κλίμα της περιοχής αυτής, στην περιοχή αυτή, τον καιρό αυτόν, 5. Τα στοιχεία αυτά τα στοιχεία αυτά, για την περιοχή αυτή, τον καιρό αυτόν, 5.

Sheet Map GR.VOUX.001

Reference

MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS, 2001

Location

Greece, island of Creta, Cap Vouxa and Falassarna region

GPS Coordinates : N 35°37'14.24"
E 23°35'22.92"



Date of achievement

Methods

Size and accuracy

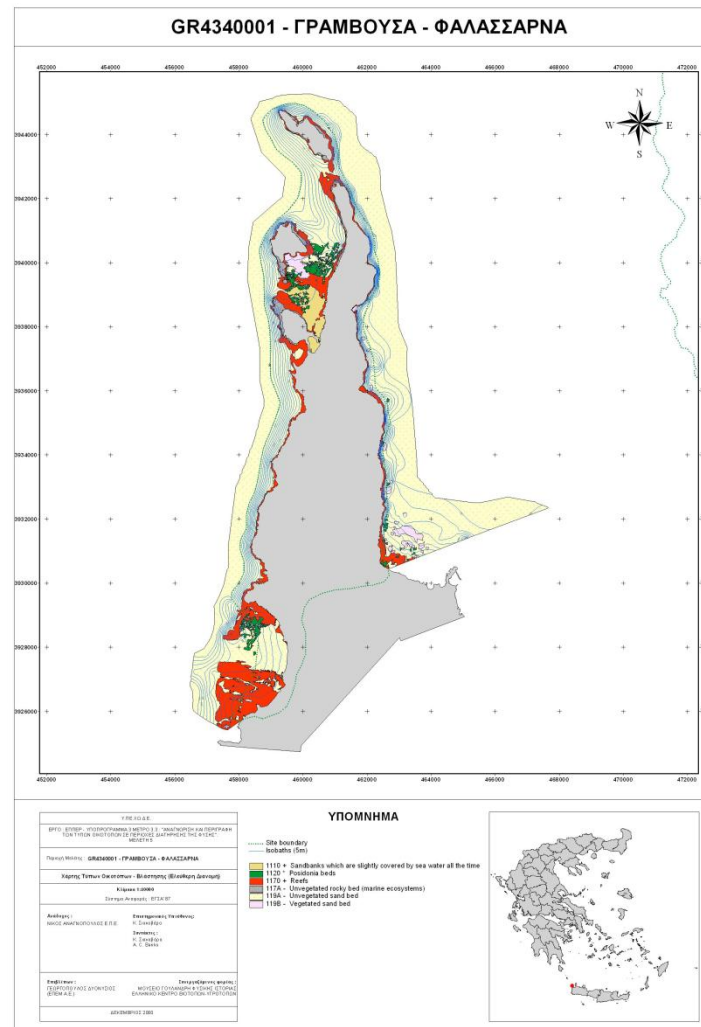
Copyright

Ministry for the environment, physical planning and public works

Other

YPECHODE with the support of 2nd and 3rd Community Support framework

Map



Sheet Map GR.ZAKY.001

Reference

PERGENT G., PASQUALINI V., PERGENT-MARTINI C., SKOUFAS G., SOURBES L., TSIRIKA A., 2003. Caractérisation des herbiers à *Posidonia oceanica* dans le Parc marin national de Zakynthos (Grèce). Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Seagrass 2000 : 1-54

Location

Greece, Zakynthos island, Laganas bay

GPS Coordinates : N 37°42'40.61"
E 20°53'26.69"



Date of achievement

2003

Methods

Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

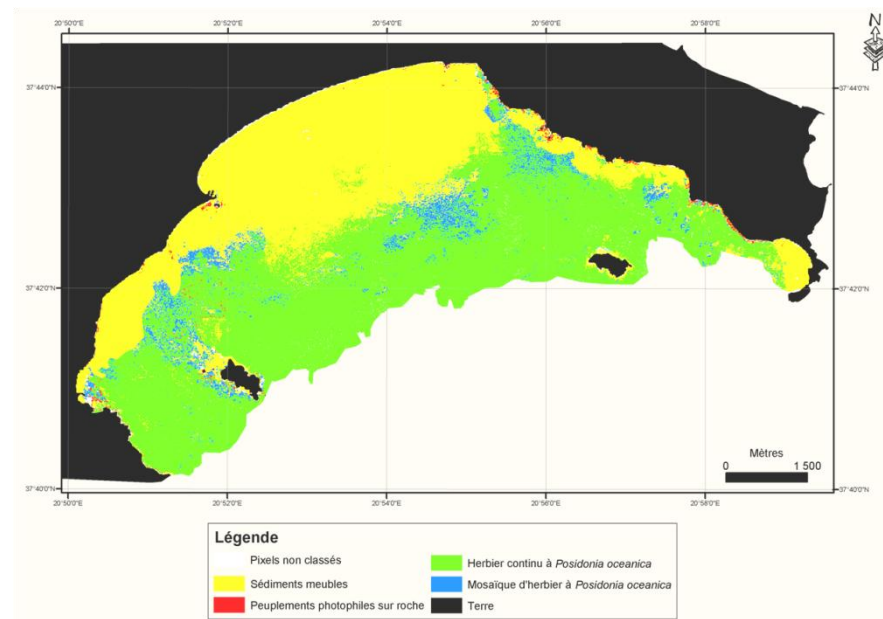
Size and accuracy

Satellite image SPOT 5 dated from 1st September 2003 with an accuracy of 10 m

Copyright

Other

Map



Sheet Map GR.ZAKY.002

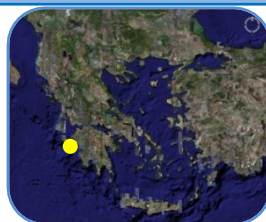
Reference

PERGENT G., PASQUALINI V., PERGENT-MARTINI C., SKOUFAS G., SOURBES L., TSIRIKA A., 2003. Caractérisation des herbiers à *Posidonia oceanica* dans le Parc marin national de Zakynthos (Grèce). Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Seagrass 2000 : 1-54

Location

Greece, Zakynthos island, Laganas bay

GPS Coordinates : N 37°42'40.61"
E 20°53'26.69"



Date of achievement

2003

Methods

Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

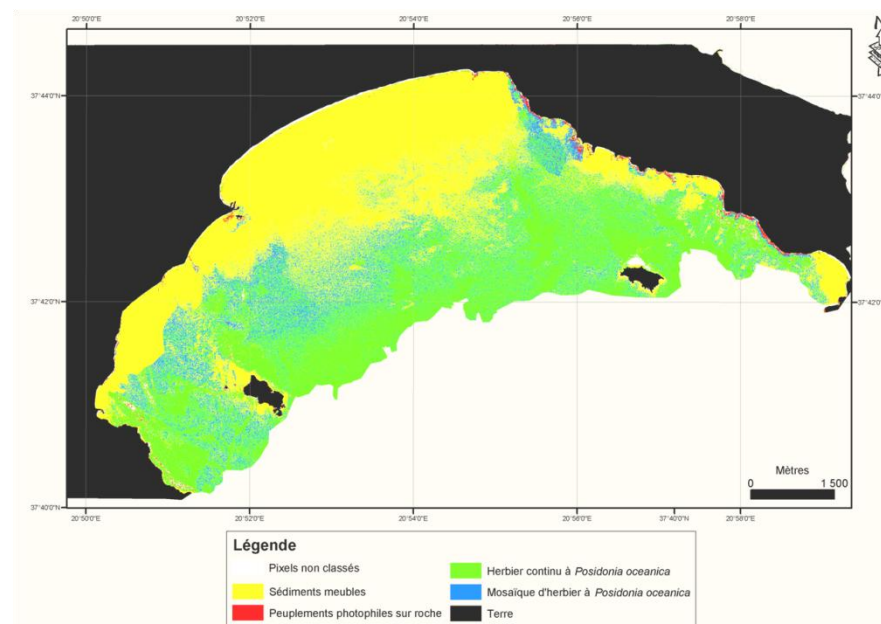
Size and accuracy

Satellite image SPOT 5 dated from 1st September 2003 with an accuracy of 3 m

Copyright

Other

Map



Italy

Reference	Map Code	GIS
ARDIZZONE G.D., 1992. Cartografia bentonica con sistemi video controllati a distanza. Oebalia, Suppl., XVII : 441-452	IT.PONZ.001	x
ARDIZZONE G.D., BELLUSCIO A., 1992. Cartografia delle praterie di <i>Posidonia oceanica</i> lungo le coste laziali. Oebalia, Suppl., XVII : 539-541	IT.LAZI.001	x
ARDIZZONE G.D., PELUSI P., 1983. Regression of a Tyrrhenian <i>Posidonia oceanica</i> prairie. Rapp. P.V. Réun. Commiss. internation. Explor. sci. Médit., 28 (3) : 175-177	IT.TERR.001	x
BAROLI M., DE FALCO G., ANTONINI C., COPPA S., FACHERIS C., 2006. Distribution and population structure of sea urchin <i>Paracentrotus lividus</i> in the Penisola del Sinis - Isola di Mal di Ventre Marine Protected Area (Western Sardinia) finalised to fishery management. Biol. Mar. Medit., 13(1) : 326-333	IT.SINI.001	x
BIANCHI C.N., CINELLI F., MORRI C., 1993. Carta bionomica dei mari toscani. Centro Ricerche Ambiente Marino et Regione toscana	IT.TOSC.001	x
CALVO S., FRADA ORESTANO C., 1984. L'herbier à <i>Posidonia oceanica</i> des côtes siciliennes : les formations récifales du Stagnone. International Workshop <i>Posidonia oceanica</i> Beds, Boudouresque C.F., Jeudy de Grissac A. et Olivier J. edit., GIS Posidonie publ., Fr., 1 : 29-37	IT.STAG.001	x
CALVOS S., FRADA ORESTANO C., ABBADESSA P., 1993. The suitability of a topographical instrument for an integrated approach to the cartography of <i>Posidonia oceanica</i> meadows. Oceanologica acta, 16(3) : 273-278	IT.MOND.001	x
CANCEMI G., BAROLI M., DE FALCO G., AGOSTINI S., PIERGALLINI G., GUALA I., 2000. Cartografia integrata delle praterie marine superficiali come indicatore dell'impatto antropico sulla fascia costiera. Biol. Mar. Medit., 7(1) : 509-516	IT.ORIS.001	x
CANCEMI G., PASQUALINI V., PIERGALLINI G., BAROLI M., DE FALCO G., PERGENT-MARTINI C., 1997. Indagine cartographica sulla prateria a <i>Posidonia oceanica</i> (L.) Delile di Capo S. Marco (Golfo di Oristano), mediante elaborazione di immagini fotoaeree. Biologia Marina Mediterranea, 4(1) : 472-474	IT.SANM.001	x
COLANTONI P., GALLIGNANI P., FRESI E., CINELLI F., 1982. Patterns of <i>Posidonia oceanica</i> (L.) Delile beds around the island of Ischia (Gulf of Naples) and adjacent waters. Marine Ecology, 3 (1) : 53-74	IT.ISCH.002 IT.NAPL.001 IT.NAPL.002	x x x
COSSU A., GAZALE V., MONNI A., 1992. Primo contributo allo studio del fitobenthos dell'Isola Asinara. Boll. Acc. Gioenia sci. Nat., 25(339) : 179-194	IT.ASIN.001	x

FRESI E., CINELLI F., MAZZELLA L., DE ROSA S., RIGILLO-TRONCONE M., SAGGIOMO V., 1979. Documenti sull'ecologia dell'ecosistema <i>Posidonia oceanica</i> (L.) Del. nelle acque dell'isola d'Ischia. Atti. Del Convegno Scientifico Nazionale, Ital., 1 : 145-155	IT.ISCH.001	✘
GENETTA C., PESSANI D., PONCINI F., VETERE M., 1989. Sur la distribution de <i>Posidonia oceanica</i> autour de l'île de Salina (îles éoliennes, Sicile). <i>Posidonia Newsletter</i> , 2(1) : 29-31	IT.SALI.001	✘
MINISTERO DELL'AMBIENTE E DELLA TUTELA DEL TERRITORIO E DEL MARE - DIREZIONE PROTEZIONE NATURA - SI.DI.MAR	IT.ITAL.001	✓
ORRU P., ULZEGA A. Riserva Marina di Tavolara – Capo Coda Cavallo (Sardegna NE) Carta geomorfologica marina e continentale. Università degli studi di Cagliari - Dipartimento di Scienze della Terra, Centro Ricerche Energia Ambiente, Consorzio Ricerche Sardegna	IT.TAVO.001	✘
SILVESTRI C., 1993. Studio sinecologico sulla prateria di <i>Posidonia oceanica</i> (L.) Delile di Monterosso al mare (SP) : cartografia quali-quantitativa e dinamica stagionale. Tesi, Univ. Roma, Ital. : 1-97 + annexes	IT.MONT.001	✘
TOCCACELI M., 1990. Il recife-barriera di <i>Posidonia oceanica</i> (L.) Delile della Baia di Carini (Sicilia Nord-Occidentale). <i>Oebalia</i> , XVI suppl. 2 : 781-784	IT.CARI.001	✘
WURTZ M., REPETTO N., MATRICARDI G., 1988. A simple and fast method to obtain rough density maps of the <i>Posidonia oceanica</i> beds. <i>Rapp. P.V. Réunion. Commiss. internation. Explor. sci. Médit.</i> , 31(2) Y-I3 : 316	IT.COGO.001	✘

✓ : Vectorized map in the GIS ✘ : Map with short cut in the GIS

Sheet Map IT.ASIN.001

Reference

COSSU A., GAZALE V., MONNI A., 1992. Primo contributo allo studio del fitobenthos dell'Isola Asinara. Boll. Acc. Gioenia sci. Nat., 25(339) : 179-194

Location

Italy, Sardinia, Asinara island

GPS Coordinates : N 40°59'03.20"
E 8°13'23.21"



Date of achievement

1992

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

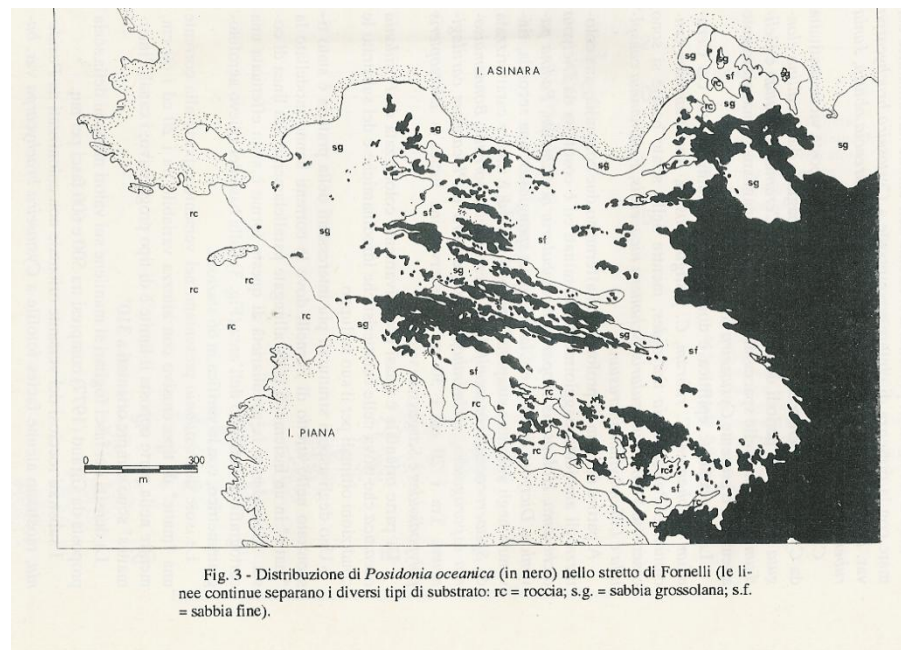
Size and accuracy

Aerial photography, scale 1/10 000, dated from 1977

Copyright

Other

Map



Sheet Map IT.CARI.001

Reference

TOCCACELI M., 1990. Il recife-barriera di *Posidonia oceanica* (L.) Delile della Baia di Carini (Sicilia Nord-Occidentale). Oebalia, XVI suppl. 2 : 781-784

Location

Italy, Sicily, Palermo region, Carini bay

GPS Coordinates : N 38°10'23.47"
E 13°12'13.18"



Date of achievement

Summer 1987

Methods

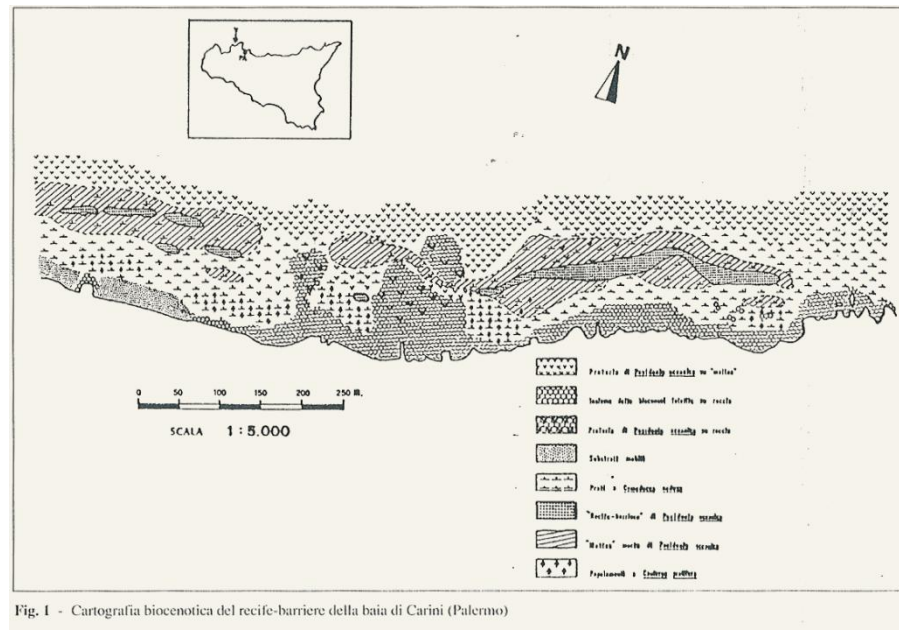
Photo interpretation from aerial photography
Data-field (transects)

Size and accuracy

Copyright

Other

Map



Sheet Map IT.COGO.001

Reference

WURTZ M., REPETTO N., MATRICARDI G., 1988. A simple and fast method to obtain rough density maps of the *Posidonia oceanica* beds. Rapp. P.V. Réunion. Commiss. internation. Explor. sci. Médit., 31(2) Y-I3 : 316

Location

Italy, Ligurie, Cogoletto gulf

GPS Coordinates : N 44°23'17.27"
E 8°38'55.51"



Date of achievement

Summer 1986

Methods

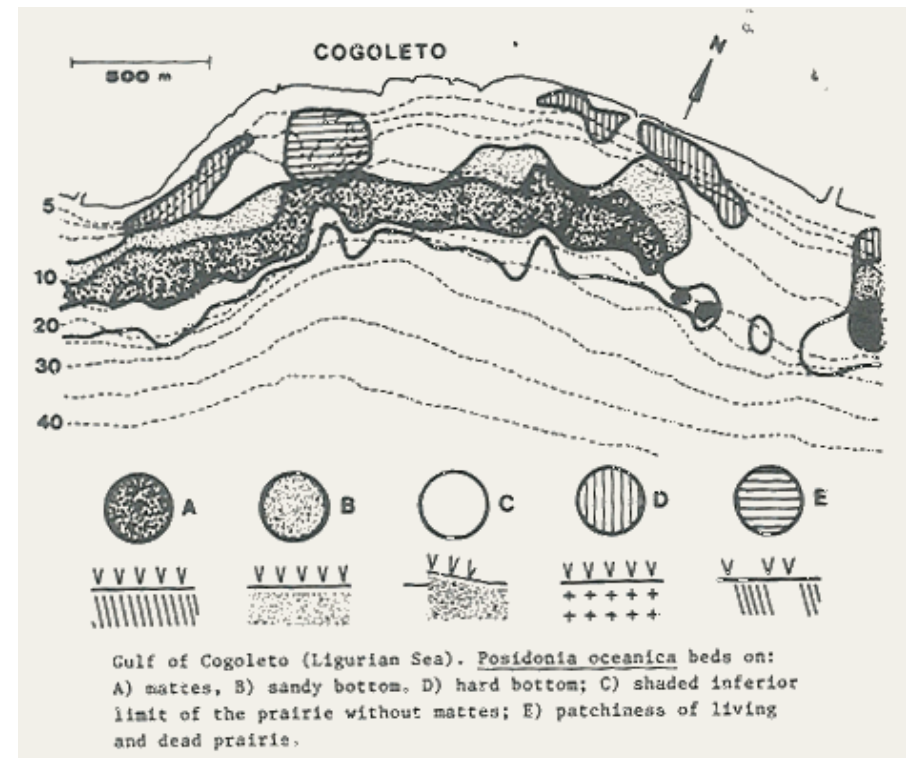
Data-field (scuba diving)
Sonar

Size and accuracy

Copyright

Other

Map



Sheet Map IT.ISCH.001

Reference

FRESI E., CINELLI F., MAZZELLA L., DE ROSA S., RIGILLO-TRONCONE M., SAGGIOMO V., 1979. Documenti sull'ecologia dell'ecosistema *Posidonia oceanica* (L.) Del. nelle acque dell'isola d'Ischia. Atti. Del Convegno Scientifico Nazionale, Ital., 1 : 145-155

Location

Italy, Campania, Ischia island

GPS Coordinates : N 40°44'46.76"
E 13°51'44.06"



Date of achievement

Methods

Data -field
Sonar

Size and accuracy

Map scale 1/25 000

Copyright

Other

Map

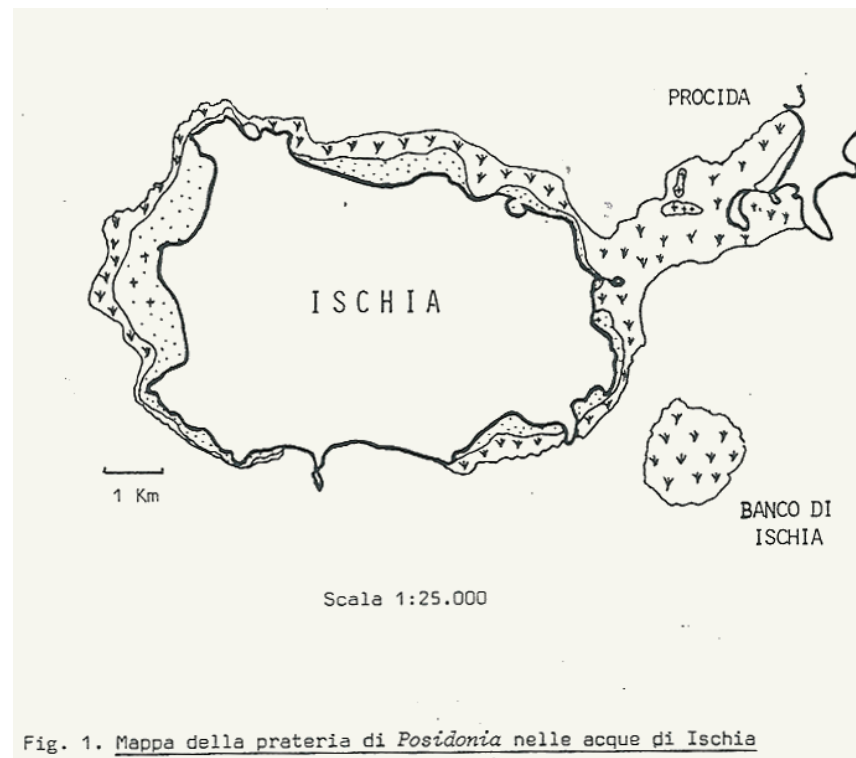


Fig. 1. Mappa della prateria di *Posidonia* nelle acque di Ischia

Sheet Map IT.ISCH.002

Reference

COLANTONI P., GALLIGNANI P., FRESI E., CINELLI F., 1982. Patterns of *Posidonia oceanica* (L.) Delile beds around the island of Ischia (Gulf of Naples) and adjacent waters. *Marine Ecology*, 3 (1) : 53-74

Location

Italy, Campania, Ischia island and Procida island

GPS Coordinates : N 40°44'4.68"
E 13°58'49.43"



Date of achievement

Methods

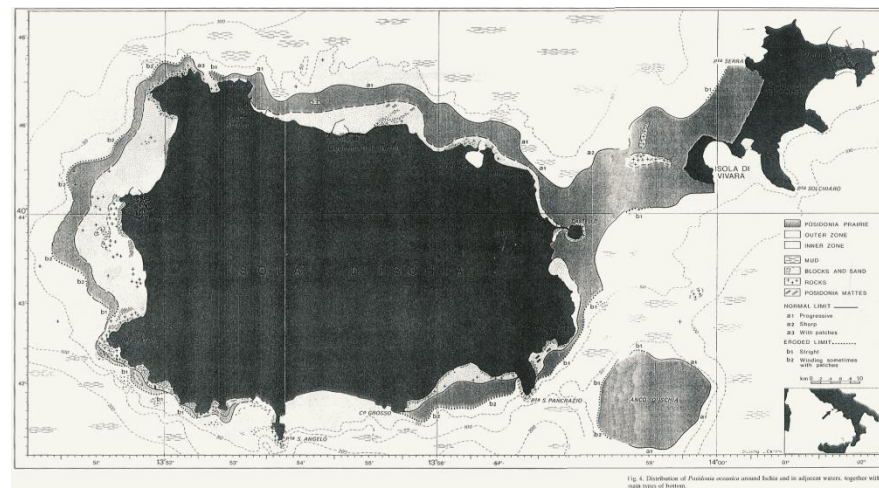
Data-field (transects)
Sonar

Size and accuracy

Copyright

Other

Map



Sheet Map IT.ITAL.001

Reference

MINISTERO DELL'AMBIENTE E DELLA TUTELA DEL TERRITORIO E DEL
MARE - DIREZIONE PROTEZIONE NATURA - SI.DI.MAR, 2007

Location

Italy



Date of achievement

Methods

Size and accuracy

Copyright

Other

Sheet Map IT.LAZI.001

Reference

ARDIZZONE G.D., BELLUSCIO A., 1992. Cartografia delle praterie di *Posidonia oceanica* lungo le coste laziali. Oebalia, Suppl., XVII : 539-541

Location

Italy, Lazio



Date of achievement

Methods

Data-field (camera)

Bibliographic synthesis from the documents :

ARDIZZONE G.D., 1991. Cartografia bentonica con sistemi video controllati a distanza. Oebalia, XVII

ARDIZZONE G.D., MIGLIUOLO A., 1982. Modificazioni di una prateria di *Posidonia oceanica* (L.) Delile del Medio Tirreno sottoposta ad attività di pesca a strascico. Naturalista Siciliano, S. IV, VI (Suppl.), 3 : 509-515

MINISTERO MARINA MERCANTILE, 1990. Indagini preliminari sulla situazione ambientale dell'area destinata a Riserva Marina delle isole Pontine REGIONE LAZIO – UNIVERSITA DI ROMA LA SAPIENZA (in stampa).

Perizia e definizione progettuale di risanamento e protezione del litorale laziale : indagine e studi sul Mare Tirreno prospiciente le coste della Regione Lazio.

Rapporto Regione Lazio

Size and accuracy

Copyright

Other

Map

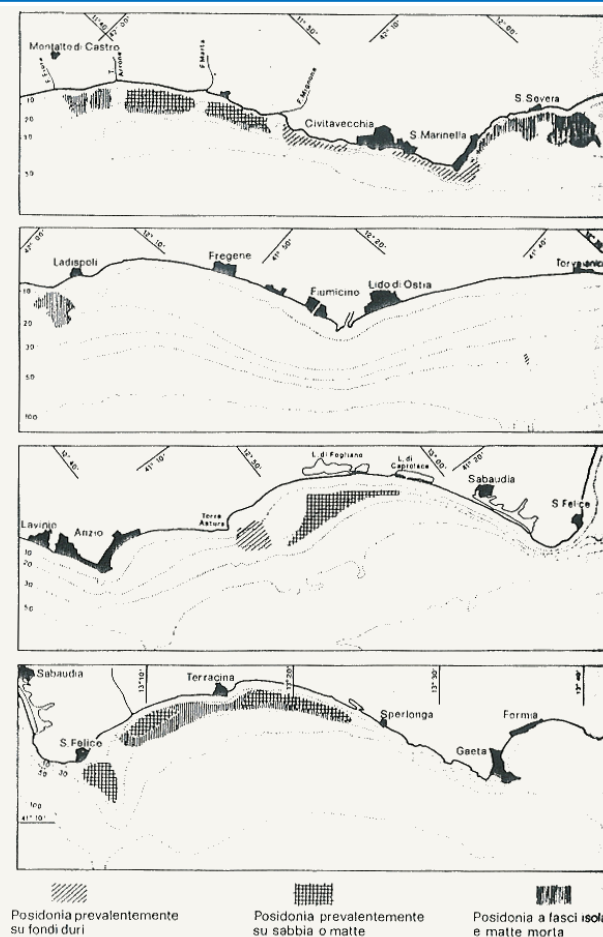


Fig. 1 - Distribuzione delle praterie di *Posidonia* lungo le coste laziali

Sheet Map IT.MOND.001

Reference

CALVOS S., FRADA ORESTANO C., ABBADESSA P., 1993. The suitability of a topographical instrument for an integrated approach to the cartography of *Posidonia oceanica* meadows. *Oceanologica acta*, 16(3) : 273-278

Location

Italie, Sicily, Palermo gulf, Mondello bay

GPS Coordinates : N 38°12'16.07"
E 13°19'59.04"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

Size and accuracy

Surface of the bay \approx 85 ha
Coloured aerial photography, scale 1/10 000 dated from March 1987

Copyright

Other

Map

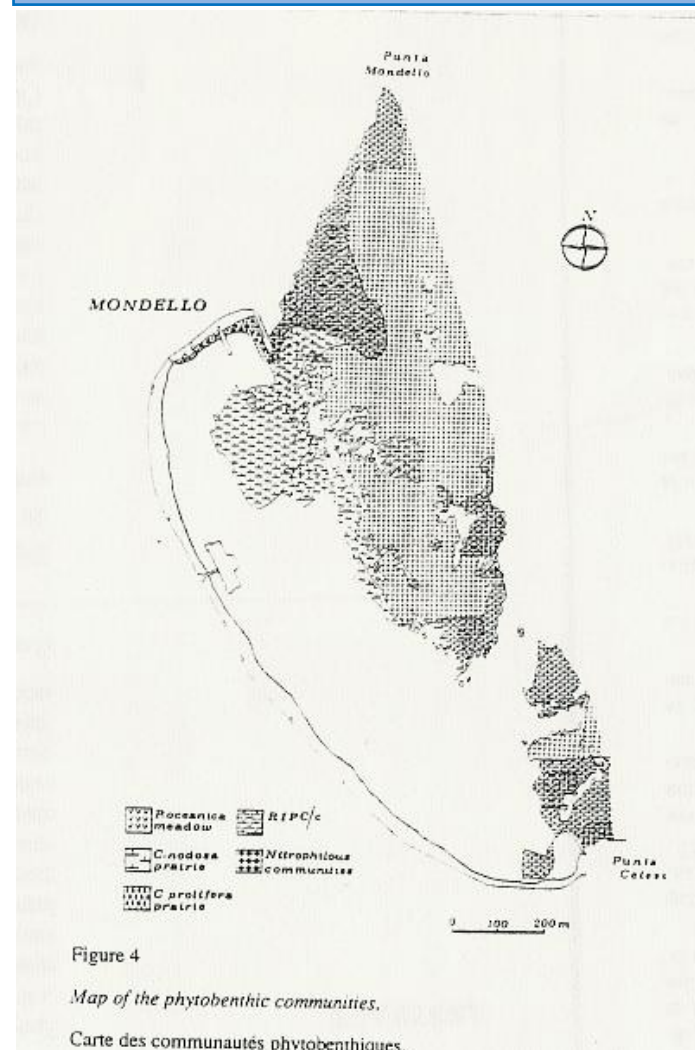


Figure 4

Map of the phytobenthic communities.

Carte des communautés phytobenthiques.

Sheet Map IT.MONT.001

Reference

SILVESTRI C., 1993. Studio sinecologico sulla prateria di *Posidonia oceanica* (L.) Delile di Monterosso al mare (SP) : cartografia quali-quantitativa e dinamica stagionale. Tesi, Univ. Roma, Ital. : 1-97 + annexes

Location

Italy, Liguria, La Spezia, Monterosso al Mare

GPS Coordinates : N 44°8'21.99"
E 9°39'3.28"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (scuba diving, observations from the surface through a bucket of Calfat and observation with the ROV)

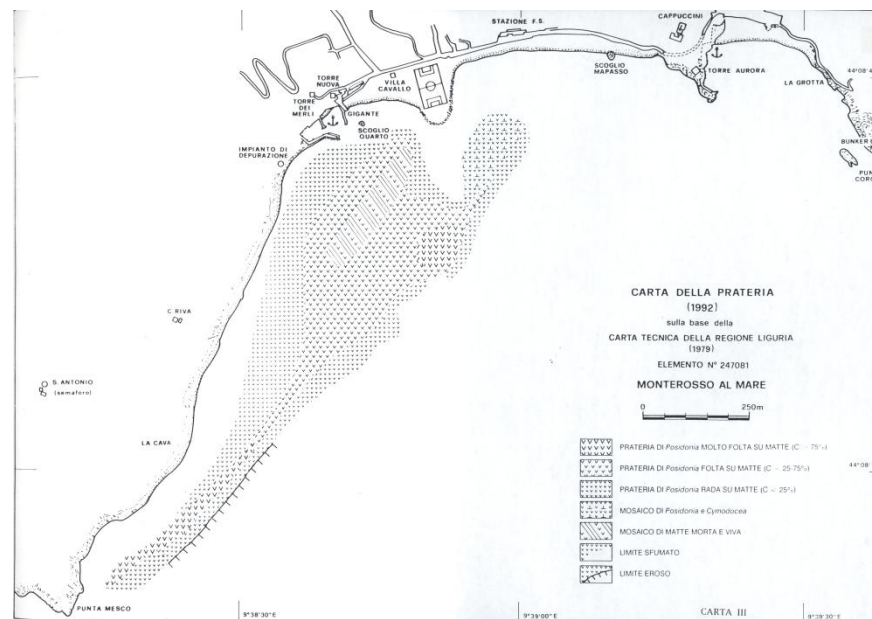
Size and accuracy

Map scale 1/5 000

Copyright

Other

Map



Sheet Map IT.NAPL.001

Reference

COLANTONI P., GALLIGNANI P., FRESI E., CINELLI F., 1982. Patterns of *Posidonia oceanica* (L.) Delile beds around the island of Ischia (Gulf of Naples) and adjacent waters. *Marine Ecology*, 3 (1) : 53-74

Location

Italy, Campania, Naples gulf

GPS Coordinates : N 40°43'32.65"
E 14°17'16.07"



Date of achievement

Methods

Bibliographic synthesis from the documents :
FUNK G., 1927. Die Algenvegetation des Golfs von Neapel. *Pubbl. Staz. Zool. Napoli*, 7 (Suppl.) : 1-503

Size and accuracy

Copyright

Other

Map

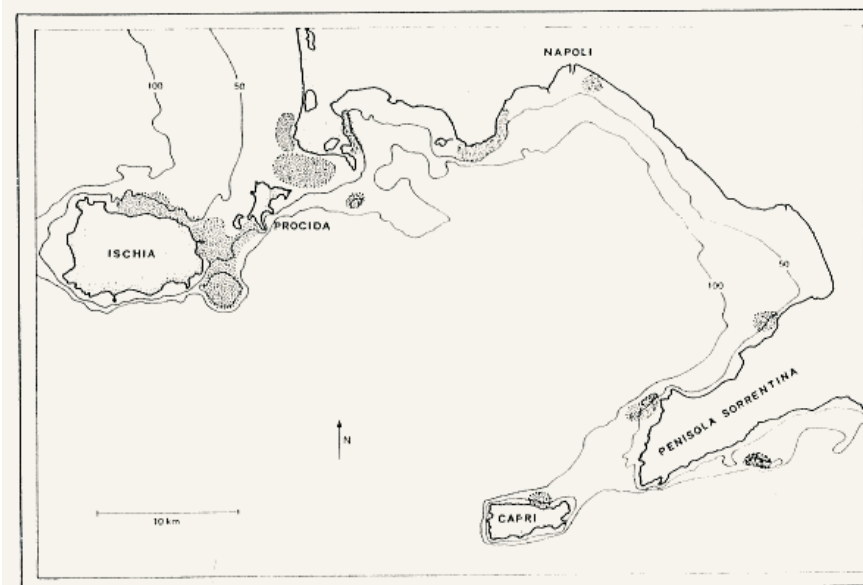


Fig. 1. Distribution of *Posidonia oceanica* in the Gulf of Naples after FUNK (1927). This map represents an interpolation of the original.

Sheet Map IT.NAPL.002

Reference

COLANTONI P., GALLIGNANI P., FRESI E., CINELLI F., 1982. Patterns of *Posidonia oceanica* (L.) Delile beds around the island of Ischia (Gulf of Naples) and adjacent waters. *Marine Ecology*, 3 (1) : 53-74

Location

Italy, Campania, Naples gulf

GPS Coordinates : N 40°43'32.65"
E 14°17'16.07"



Date of achievement

Methods

Bibliographic synthesis from the documents :
PARENZAN P., 1956. Biocenologia dei fondi marini a Zosteracee. *Boll. Zool. Ital.*, Torino 12 : 621-637

Size and accuracy

Copyright

Other

Map

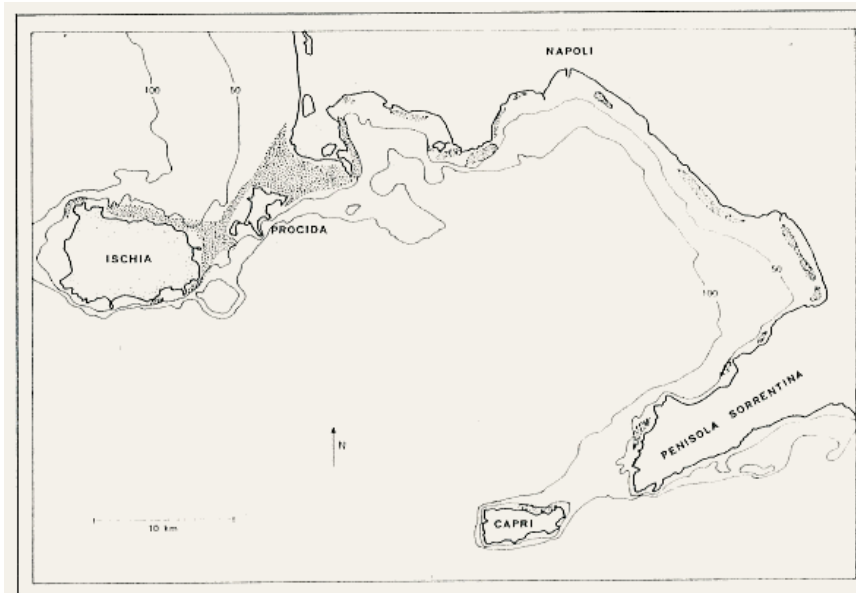


Fig. 2. Distribution of marine Phanerogames (mainly *Posidonia oceanica*) in the Gulf of Naples after PARENZAN (1956). Redrawn from the original.

Sheet Map IT.ORIS.001

Reference

CANCEMI G., BAROLI M., DE FALCO G., AGOSTINI S., PIERGALLINI G., GUALA I., 2000. Cartografia integrata delle praterie marine superficiali come indicatore dell'impatto antropico sulla fascia costiera. Biol. Mar. Medit., 7(1) : 509-516

Location

Italy, Sardinia, Oristano gulf

GPS Coordinates : N 39°49'28.38"
E 8°30'19.84"



Date of achievement

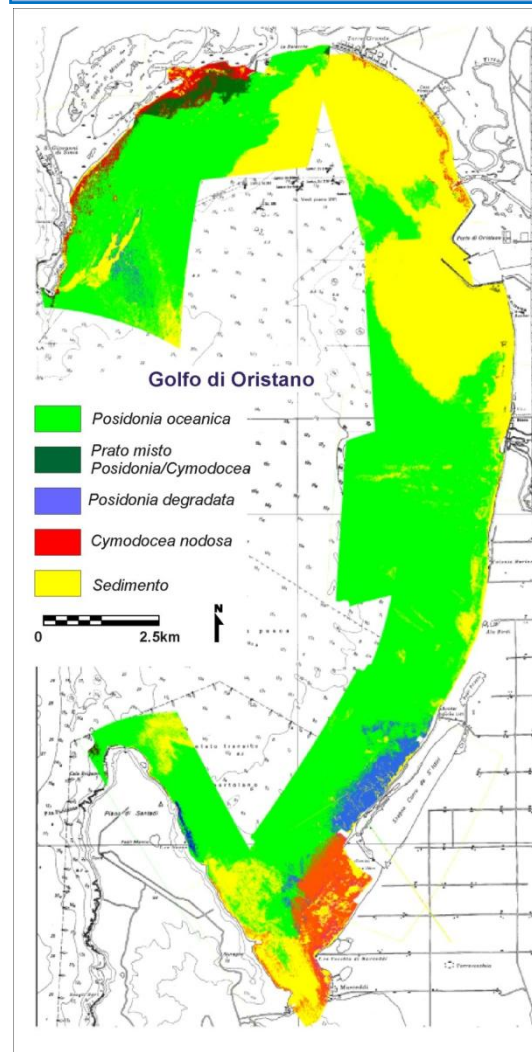
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map IT.PONZ.001

Reference

ARDIZZONE G.D., 1992. Cartografia bentonica con sistemi video controllati a distanza. Oebalia, Suppl., XVII : 441-452

Location

Italy, West coast, Ponza Island

GPS Coordinates : N 40°55'00.41"
E 12°58'19.73"



Date of achievement

Methods

Data-field obtained from a system of remote controlled video

Size and accuracy

Cartography scale 1/10 000

Copyright

Other

Map

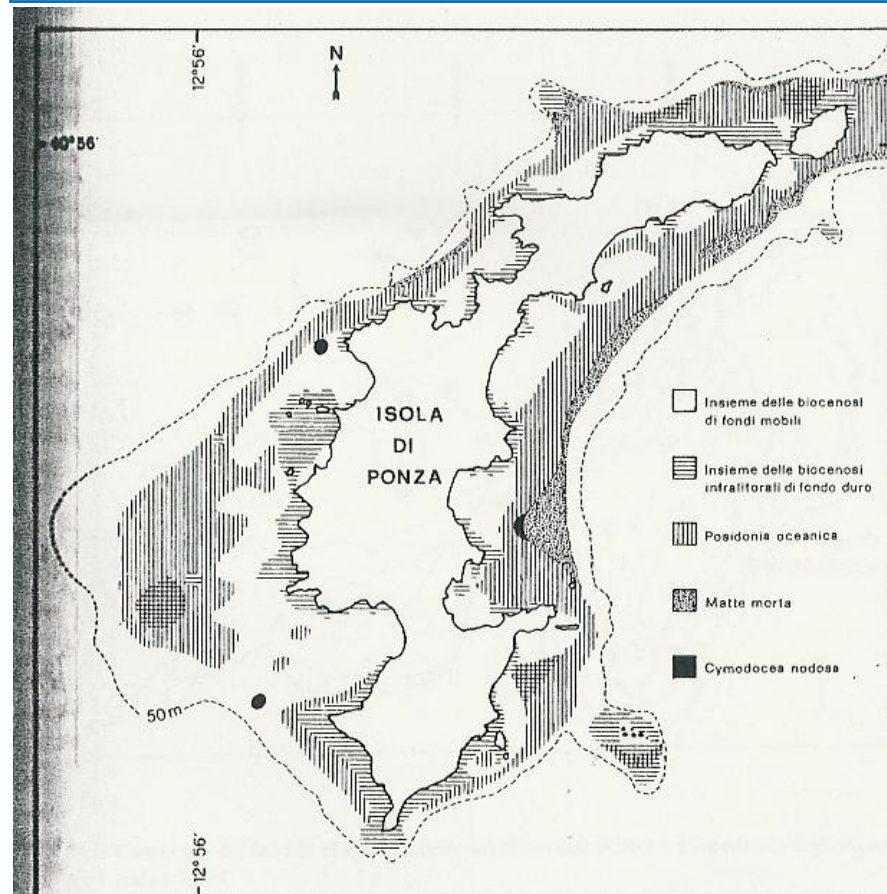


Fig. 2 - Cartografia dei fondali di Ponza ridotta e semplificata dall'originale in scala 1:10.000.

Sheet Map IT.SALI.001

Reference

GENETTA C., PESSANI D., PONCINI F., VETERE M., 1989. Sur la distribution de *Posidonia oceanica* autour de l'île de Salina (îles éoliennes, Sicile). *Posidonia Newsletter*, 2(1) : 29-31

Location

Italy, Eoliennes islands, Salina island

GPS Coordinates : N 38°34'57.40"
E 14°50'52.45"



Date of achievement

summer 1983 and September 1985

Methods

Data-field

Bibliographic synthesis from the documents : PESSANI D., PONCINI F., VETERE M., 1984. Premières données sur la distribution de *Posidonia oceanica* Delile autour de l'île de Salina (îles Eoliennes, Sicile). *International workshop on Posidonia oceanica Beds*, Boudouresque C.F., Jeudy de Grissac A. & Olivier J. édit., GIS Posidonie Publ., Fr., 1 : 129-135

Size and accuracy

Copyright

Other

Map

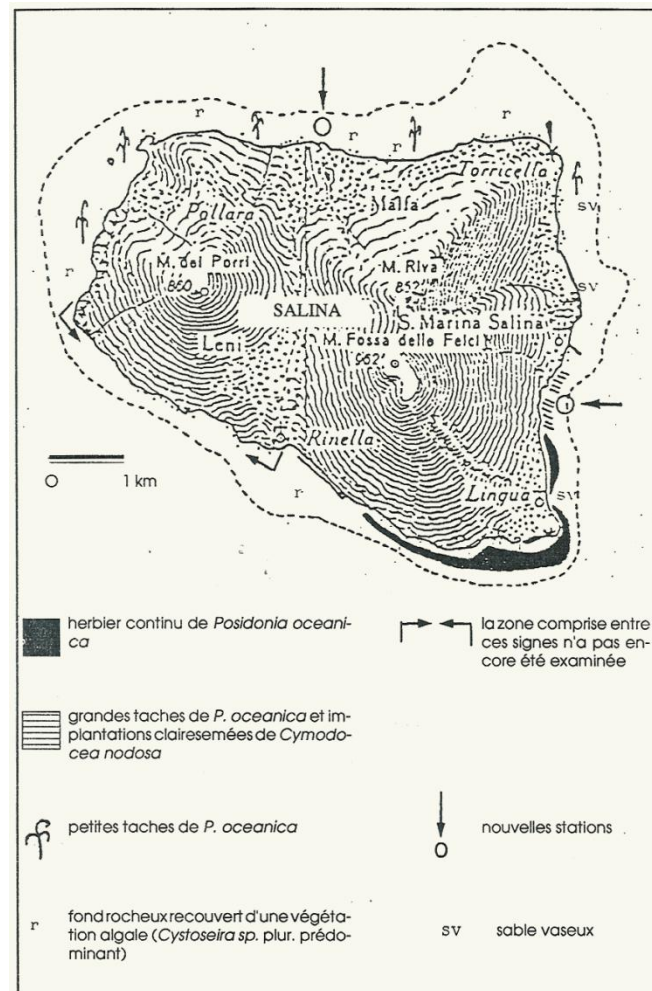


Figure 1 : Carte de la distribution de *Posidonia oceanica* (PESSANI *et al.*, 1984), sur laquelle ont été ajoutées les nouvelles stations.

Sheet Map IT.SANM.001

Reference

CANCEMI G., PASQUALINI V., PIERGALLINI G., BAROLI M., DE FALCO G., PERGENT-MARTINI C., 1997. Indagine cartografica sulla prateria a *Posidonia oceanica* (L.) Delile di Capo S. Marco (Golfo di Oristano), mediante elaborazione di immagini fotoaeree. *Biologia Marina Mediterranea*, 4(1) : 472-474

Location

Italy, Sardinia, Oristano gulf, cap San Marco

GPS Coordinates : N 39°52'16.70"
E 8°26'58.48"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

Size and accuracy

Coloured aerial photography, scale 1/20000
Photography scan with a pixel of 5 m

Copyright

Other

Map



(Fig. 1)

(Fig. 2)

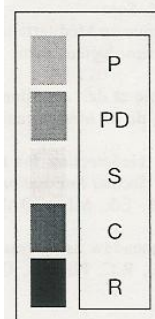


Fig. 1 - Immagine cartografica finale, con *pixel* di 5 metri, dove si distinguono 5 temi: la prateria a *P. oceanica* (P), l'area della prateria poco densa e con *matte* morta (PD), il prato a *C. nodosa* (C), la roccia (R) e il fondale sabbioso (S).

Final results of the image processing, with a 5 meters pixel, showing: *P. oceanica* meadow (P), its low density area with dead *matte* (PD), *C. nodosa* meadow (C), rocky (R) and sandy bottom (S).

Fig. 2 - Particolare dell'immagine, trattato con *pixel* di 1 metro: prateria a *P. oceanica* (P), area della prateria poco densa e con *matte* morta (PD), fondale sabbioso (S).

Selected area of the final image, with a 1 meters pixel: *P. oceanica* meadow (P), the low density area of the meadow with dead *matte* (PD), sandy bottom (S).

Sheet Map IT.SINI.001

Reference

BAROLI M., DE FALCO G., ANTONINI C., COPPA S., FACHERIS C., 2006.
Distribution and population structure of sea urchin *Paracentrotus lividus* in the
Penisola del Sinis - Isola di Mal di Ventre Marine Protected Area (Western
Sardinia) finalised to fishery management. Biol. Mar. Medit., 13(1) : 326-333

Location

Italy, Sardinia, Sinis peninsula and mal di ventre island

GPS Coordinates : N 39°54'54.25"
E 8°23'24.12"



Date of achievement

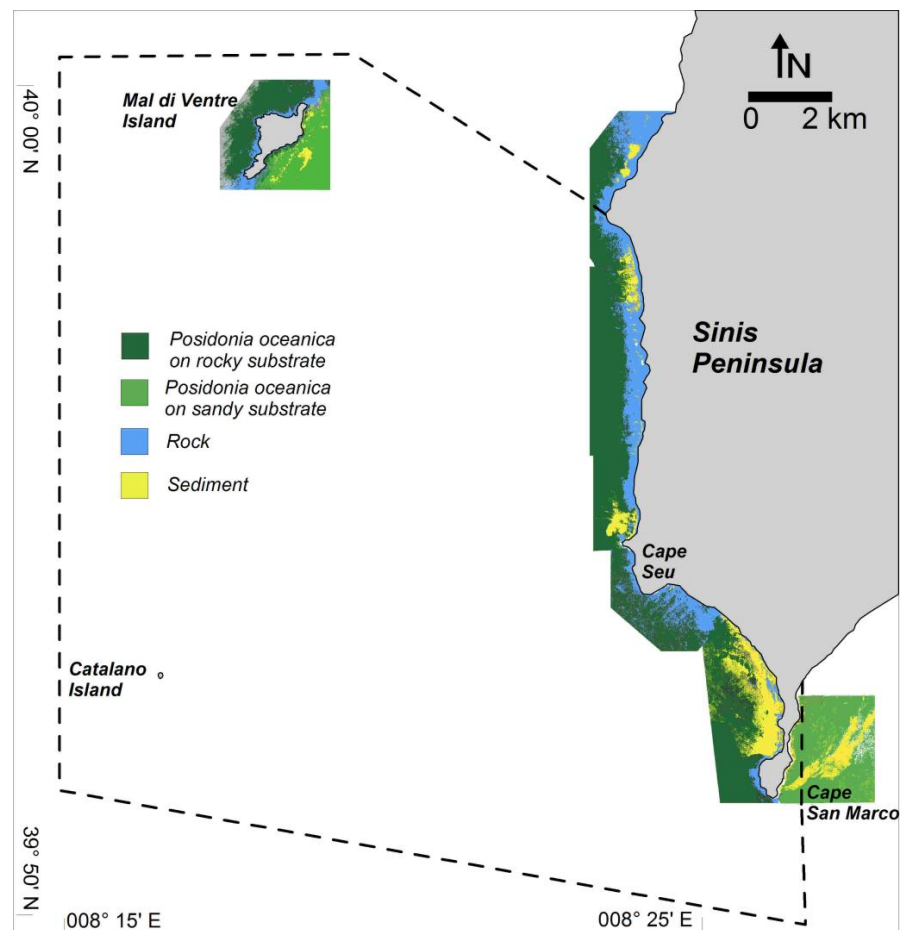
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map IT.STAG.001

Reference

CALVO S., FRADA ORESTANO C., 1984. L'herbier à *Posidonia oceanica* des côtes siciliennes : les formations récifales du Stagnone. International Workshop *Posidonia oceanica* Beds, Boudouresque C.F., Jeudy de Grissac A. et Olivier J. edit., GIS Posidonie publ., Fr., 1 : 29-37

Location

Italy, Sicily, Stagnone lagoon, south sub-basin

GPS Coordinates : N 37°49'54.76"
E 12°27'28.14"



Date of achievement

Methods

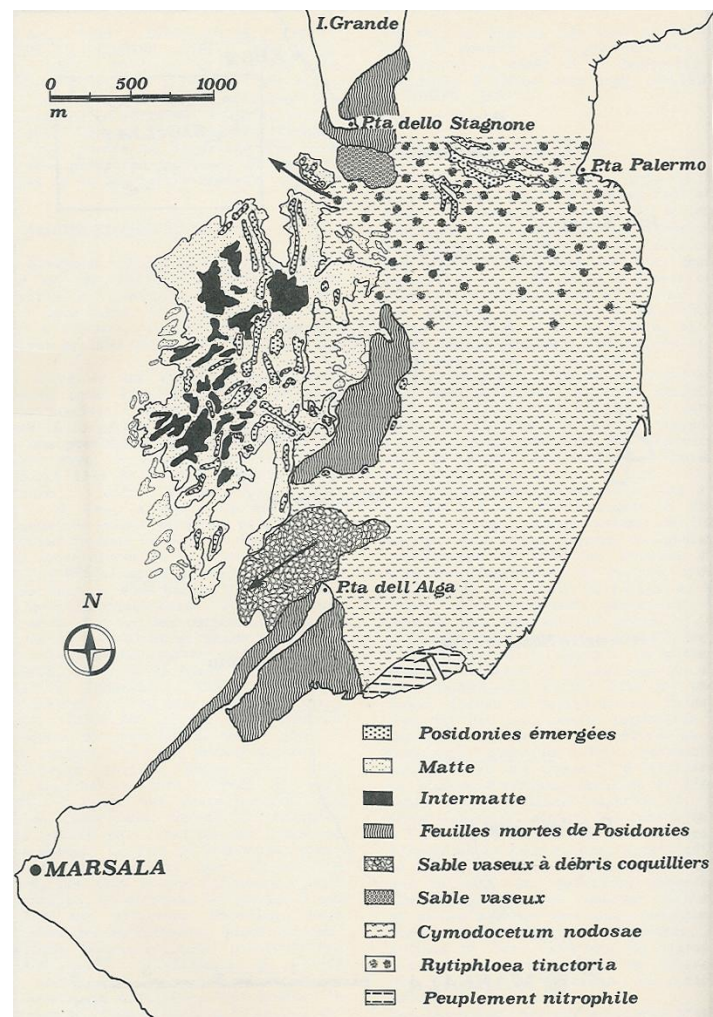
Photo interpretation from aerial photography
Data-field

Size and accuracy

Copyright

Other

Map



Sheet Map IT.TAVO.001

Reference

ORRU P., ULZEGA A., 1991. Riserva Marina di Tavolara – Capo Coda Cavallo (Sardegna NE) Carta geomorfologica marina e continentale. Università degli studi di Cagliari - Dipartimento di Scienze della Terra, Centro Ricerche Energia Ambiente, Consorzio Ricerche Sardegna

Location

Italy, Sardinia, Réserve Marine de Tavolara – Capo Coda Cavallo

GPS Coordinates : N 40°52'25.47"
E 9°41'13.58"



Date of achievement

Methods

Data-field
Sonar

Size and accuracy

Map scale 1/25 000

Copyright

Other

Map



Sheet Map IT.TERR.001

Reference

ARDIZZONE G.D., PELUSI P., 1983. Regression of a Tyrrhenian *Posidonia oceanica* prairie. Rapp. P.V. Réun. Commiss. internation. Explor. sci. Médit., 28 (3) : 175-177

Location

Italy, West coast, Terracina region

GPS Coordinates : N 41°15'32.17"
E 13°15'12.00"



Date of achievement

Methods

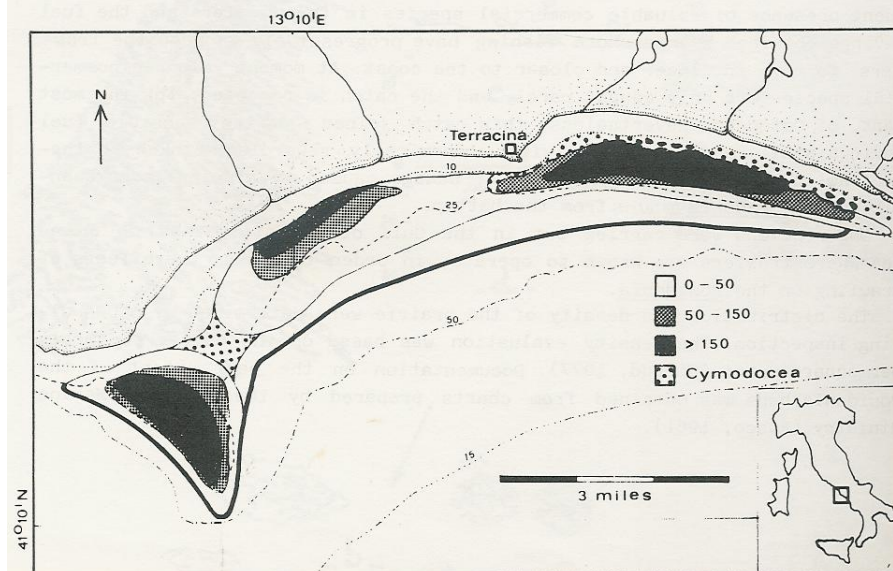
Data-field (scuba diving)

Copyright

Other

Map

Fig.1: Sampling sub-areas for the survey of *Posidonia* beds, with the lower limit according to Fusco (1961). (above)
Actual density evaluation of the prairie (number of shoots per square meter). (below)



Libya

Reference	Map Code	GIS
PERGENT G, PERGENT-MARTINI C., 2000. - Mission d'Etude en Libye - Etude des formations végétales de la lagune de Farwà. Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Université de Corse : 1-48 + annexes	LB.FARW.001	✓
PERGENT G., DJELLOULI A., HAMZA A., ETTAYEB K., ALKEKLI A., TALHA M., ALKUNTI E., 2006. Etude des communautés végétales benthiques dans les lagunes côtières d'Ain Al-Ghazala et de Farwa (Libye). Centre d'Activité Régionale pour les Aires Spécialement Protégées : 1-64 + annexes	LB.GHAZ.001	✓
	LB.GHAZ.002	✓
Programme MEDPOSIDONIA. <i>In press</i>	LB.ABYA.001	✓
	LB.GARA.001	✓
	LB.TAJU.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map LB.ABYA.001

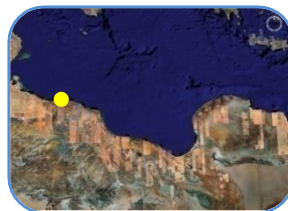
Reference

Programme MEDPOSIDONIA. *In press*

Location

Libya, East of Tripoli, Abyar As Sababil

GPS Coordinates : N 32°48'8.27"
E 13°34'29.68"



Date of achievement

2008

Methods

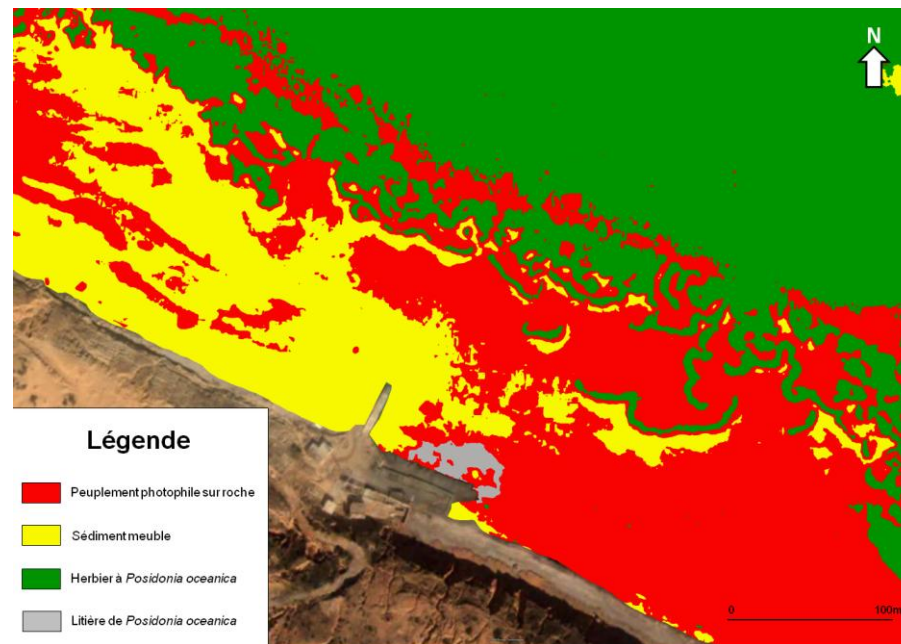
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map LB.FARW.001

Reference

PERGENT G. PERGENT-MARTINI C., 2000. - Mission d'Etude en Libye - Etude des formations végétales de la lagune de Farwà. Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Université de Corse : 1-48 + annexes

Location

Libya, Farwà lagoon

GPS Coordinates : N 33°05'22.78"
E 11°44'36.32"



Date of achievement

June 2000

Methods

Photo interpretation from satellite images
Data-field (scuba diving and transects)

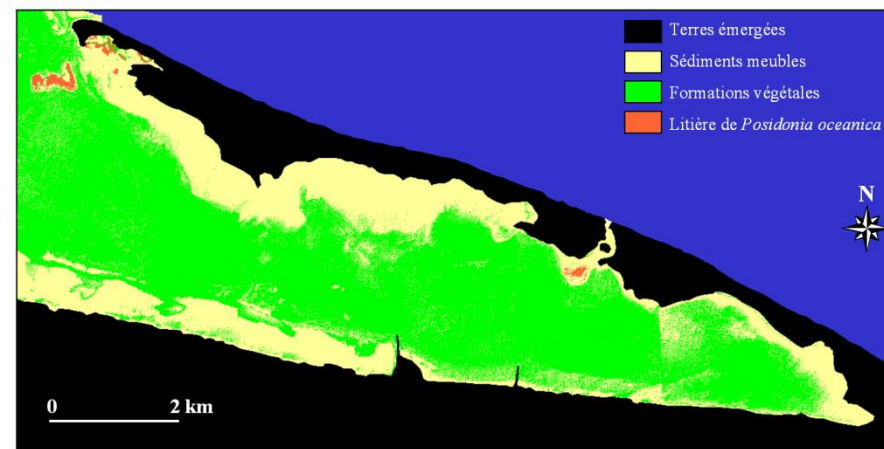
Size and accuracy

2800 ha
Satellite image SPOT dated from 3 May 2000

Copyright

Other

Map



Sheet Map LB.GARA.001

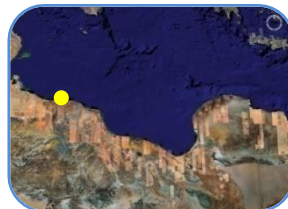
Reference

Programme MEDPOSIDONIA. *In press*

Location

Libya, East of Tripoli, Garaboulli

GPS Coordinates : N 32°47'50.85"
E 13°42'33.29"



Date of achievement

2008

Methods

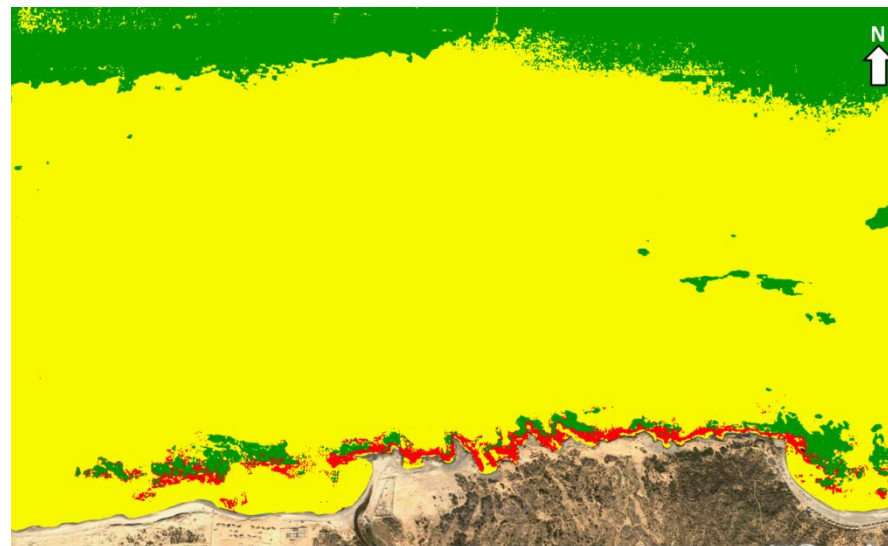
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Légende

Peuplement photophile sur roche

Sédiment meuble

Herbier à *Posidonia oceanica*

0 500m

Sheet Map LB.GHAZ.001

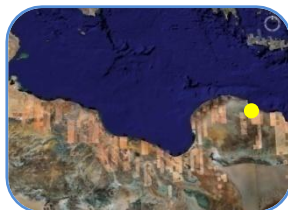
Reference

PERGENT G., DJELLOULI A., HAMZA A., ETTAYEB K., ALKEKLI A., TALHA M., ALKUNTI E., 2006. Etude des communautés végétales benthiques dans les lagunes côtières d'Ain Al-Ghazala et de Farwa (Libye). Centre d'Activité Régionale pour les Aires Spécialement Protégées : 1-64 + annexes

Location

Libya, Ain Al-Ghazala lagoon

GPS Coordinates : N 32°12'55.10"
E 23°17'30.48"



Date of achievement

May 2006

Methods

Photo interpretation from satellite images
Data-field (scuba diving and transects)

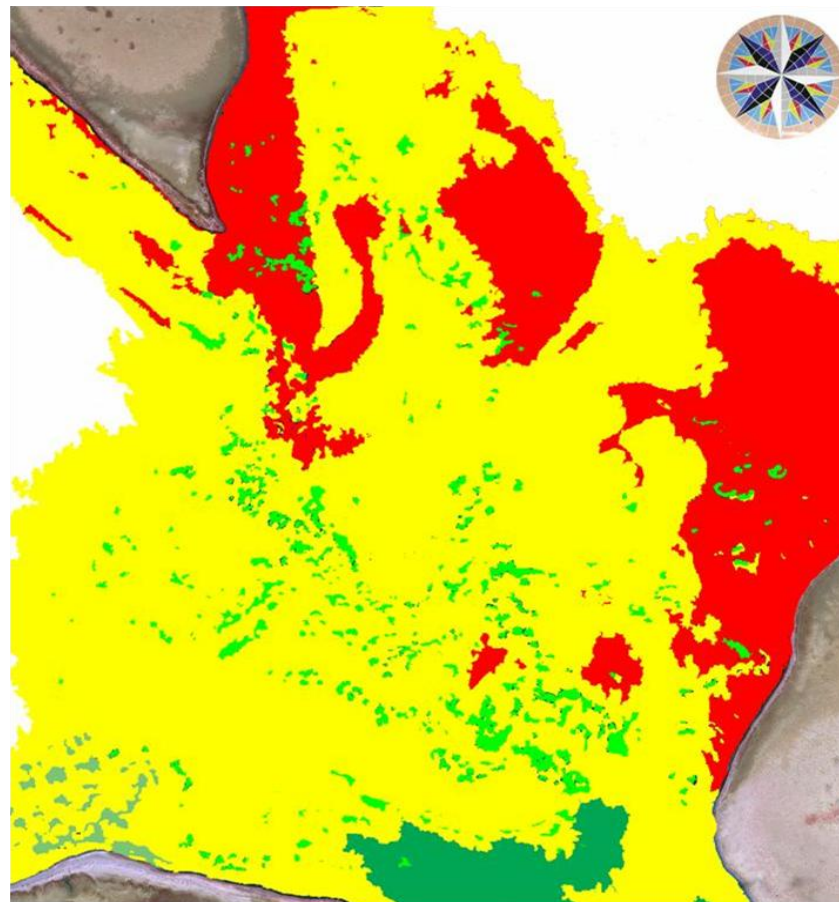
Size and accuracy

Satellite image SPOT 5 dated from 10 March 2006






Copyright

Other

Map



Légende

- | | |
|---|---|
|  Sable nu |  Herbier de Cymodocées |
|  Peuplement photophile sur roche |  Herbier de Posidonies |
| |  Zone non étudiée |

0 500m

Sheet Map LB.GHAZ.002

Reference

PERGENT G., DJELLOULI A., HAMZA A., ETTAYEB K., ALKEKLI A., TALHA M., ALKUNTI E., 2006. Etude des communautés végétales benthiques dans les lagunes côtières d'Ain Al-Ghazala et de Farwa (Libye). Centre d'Activité Régionale pour les Aires Spécialement Protégées : 1-64 + annexes

Location

Libya, Ain Al-Ghazala lagoon

GPS Coordinates : N 32°10'29.19"
E 23°18'35.42"



Date of achievement

May 2006

Methods

Photo interpretation from satellite images
Data-field (scuba diving and transects)

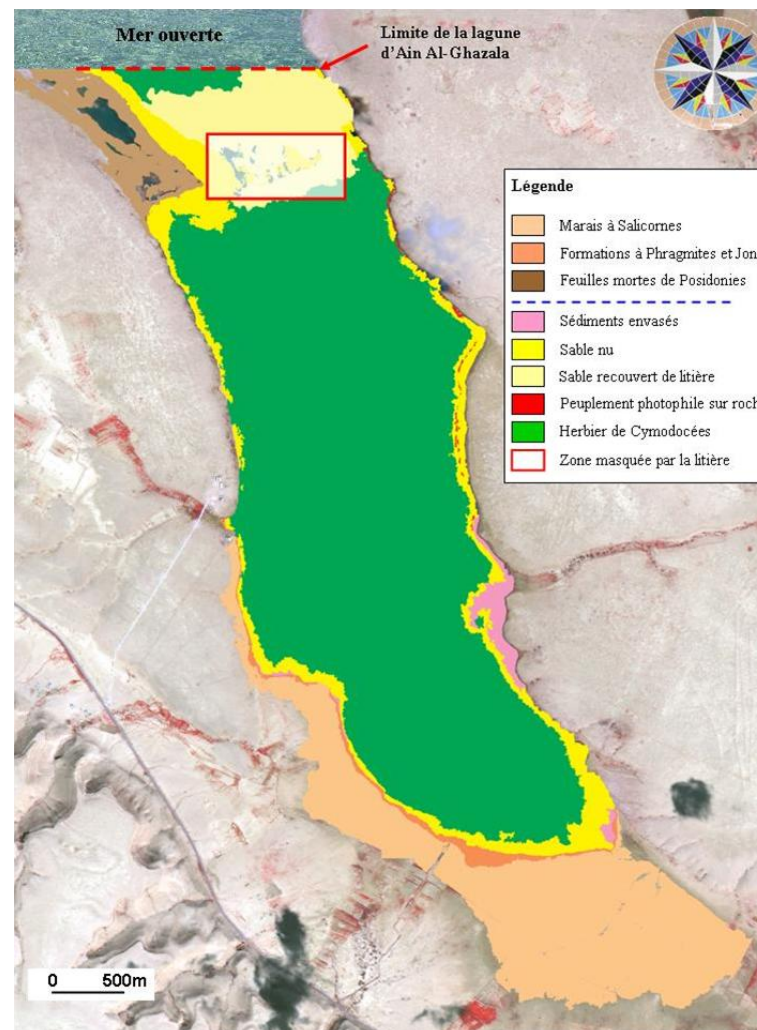
Size and accuracy

Satellite image SPOT 5 from 10 March 2006

Copyright

Other

Map



Sheet Map LB.TAJU.001

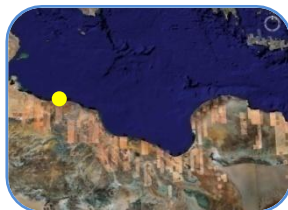
Reference

Programme MEDPOSIDONIA. *In press*

Location

Libya, East of Tripoli, Tajura

GPS Coordinates : N 32°52'17.00"
E 13°25'0.47"



Date of achievement

2008

Methods

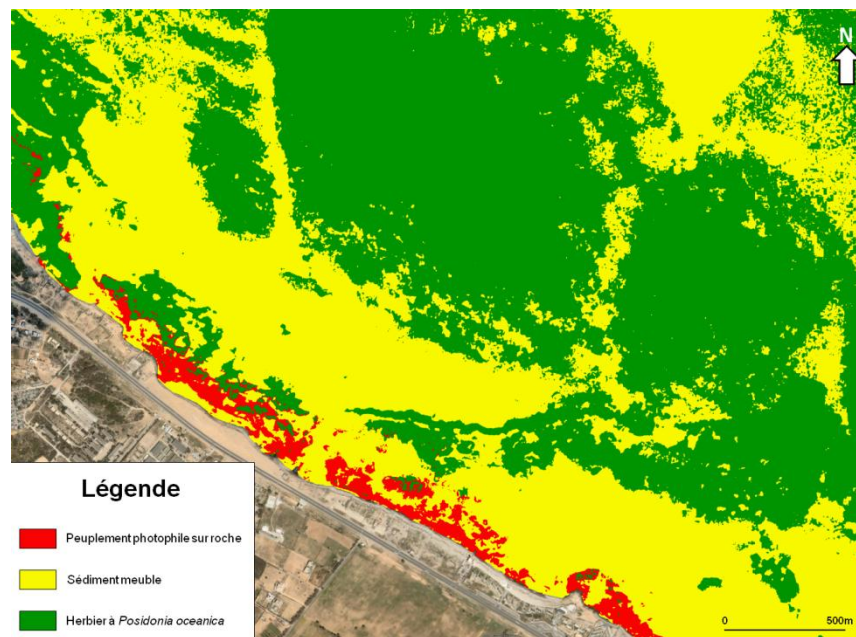
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Malta

Reference	Map Code	GIS
ANDERSON E., ROLE A., SCHEMBRI P., 1992. Coastal zone surveys of the Maltese islands : Onshore and offshore. In "The ocean change : Management patterns and the environment" J.L. Suarez de Vivero Edit., IUG Commission on Marine Geography publ. : 139-152	MA.DWEJ.001	✘
BORG J.A., SCHEMBRI P.J., 1993. Changes in marine benthic community types in a Maltese bay following beach rehabilitation works. In " Proceedings of the "Clean Seas 93" : 1-5	MA.KALA.001	✘
ENVIRONMENT & PLANNING AUTHORITY, 2002	MA.MALT.001	✔

✔ : Vectorized map in the GIS

✘ : Map with short cut in the GIS

Sheet Map MA.DWEJ.001

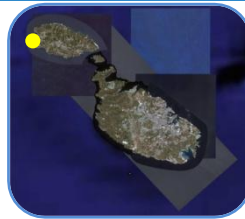
Reference

ANDERSON E., ROLE A., SCHEMBRI P., 1992. Coastal zone surveys of the Maltese islands : Onshore and offshore. In "The ocean change : Management patterns and the environment" J.L. Suarez de Vivero Edit., IUG Commission on Marine Geography publ. : 139-152

Location

Malta, Island of Gozo, Dwejra bay

GPS Coordinates : N 36° 2'58.64"
E 14°11'14.55"



Date of achievement

Methods

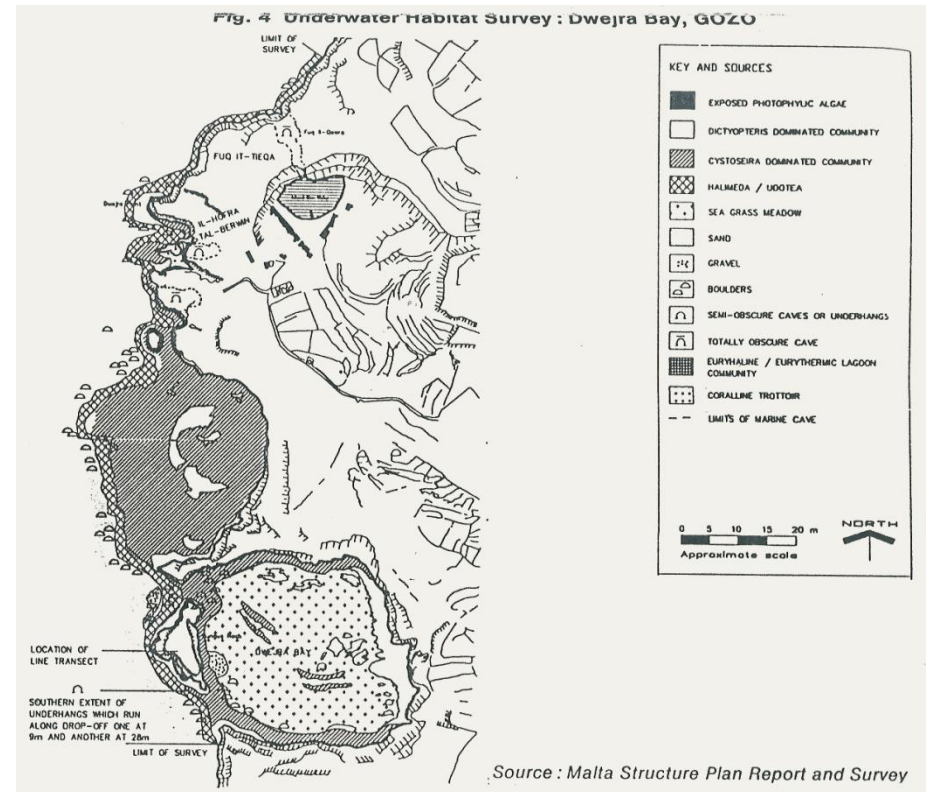
Bibliographic Synthesis

Size and accuracy

Copyright

Other

Map



Sheet Map MA.KALA.001

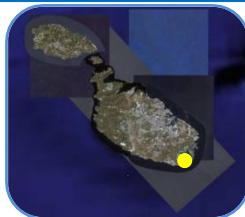
Reference

BORG J.A., SCHEMBRI P.J., 1993. Changes in marine benthic community types in a Maltese bay following beach rehabilitation works. In " Proceedings of the "Clean Seas 93" : 1-5

Location

Malta, Birzebbuga, Kalafrana, Pretty Bay

GPS Coordinates : N 35°49'22.47"
E 14°31'55.77"



Date of achievement

Methods

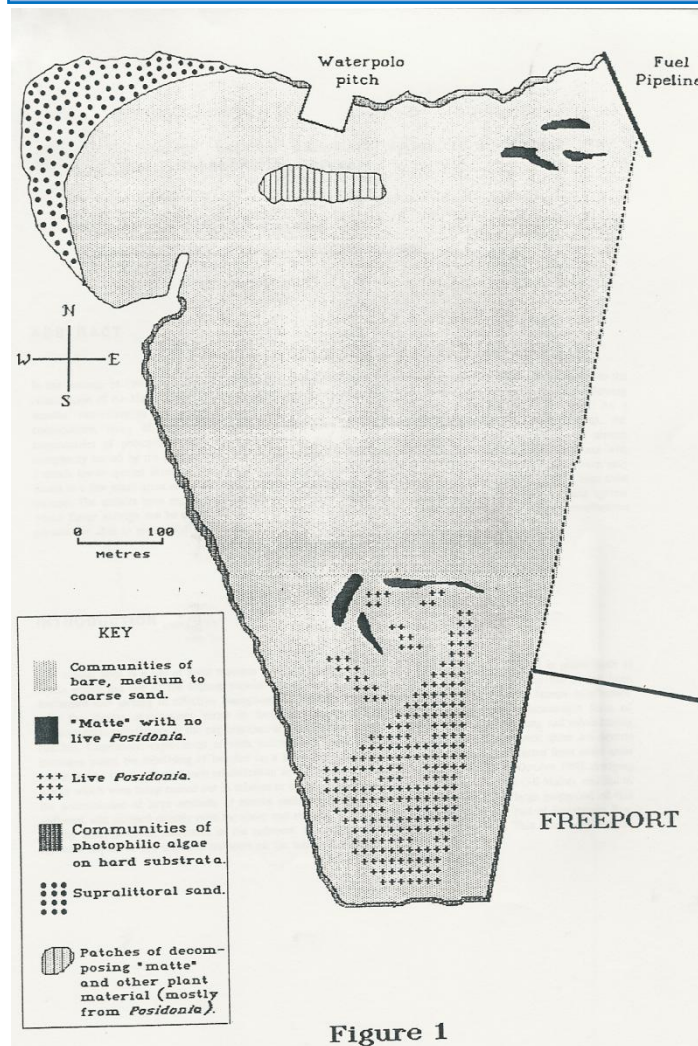
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map MA.MALT.001

Reference

ENVIRONMENT & PLANNING AUTHORITY, 2002

Location

Malta



Date of achievement

Methods

Size and accuracy

Copyright

Other

Monaco

Reference	Map Code	GIS
VAUGELAS J. DE, TRASTOUR L., 2002. Cartographie des biocénoses marines de la Réserve du Larvotto, Monaco. Laboratoire Environnement Marin Littoral, Université de Nice-Sophia Antipolis : 1-14.	MA.MONA.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

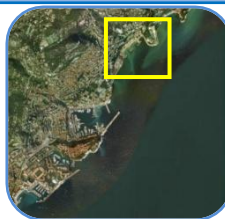
Sheet Map MO.MONA.001

Reference

VAUGELAS J. DE, TRASTOUR L., 2002. Cartographie des biocénoses marines de la Réserve du Larvotto, Monaco. Laboratoire Environnement Marin Littoral, Université de Nice-Sophia Antipolis : 1-14.

Location

Monaco



Date of achievement

2002

Methods

Size and accuracy

Copyright

GIS layer communicated by : Département de l'Équipement, de l'Environnement et de l'Urbanisme

Other

Slovenia

REFERENCE	Map Code	GIS
INSTITUTE OF THE REPUBLIC OF SLOVENIA FOR NATURE PROTECTION, 2008	SL.DEBE.001	✓
	SL.PIRA.001	✓
	SL.STRU.001	✓
TURK R., LIPEJ L., 2006. Research on seagrasses off the slovenian coast (Northern Adriatic). <i>Biologia Marina Mediterranea</i> , 13(4): 282-286	SL.KOPE.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map SL.DEBE.001

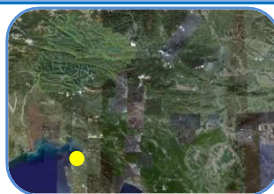
Reference

INSTITUTE OF THE REPUBLIC OF SLOVENIA FOR NATURE PROTECTION,
2008

Location

Slovenia, Debeli

GPS Coordinates : N 45°35'21.56"
E 13°42'9.94"



Date of achievement

Methods

Size and accuracy

Copyright

GIS layer communicated by: Institute of the Republic of Slovenia for Nature
Protection

Other

Sheet Map SL.KOPE.001

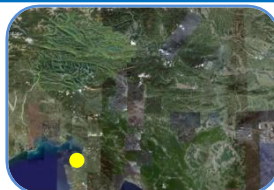
Reference

TURK R., LIPEJ L., 2006. Research on seagrasses off the slovenian coast (Northern Adriatic). *Biologia Marina Mediterranea*, 13(4): 282-286

Location

Slovenia, West of Koper

GPS Coordinates : N 45°32'54.63"
E 13°42'3.28"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

Copyright

Other

Map

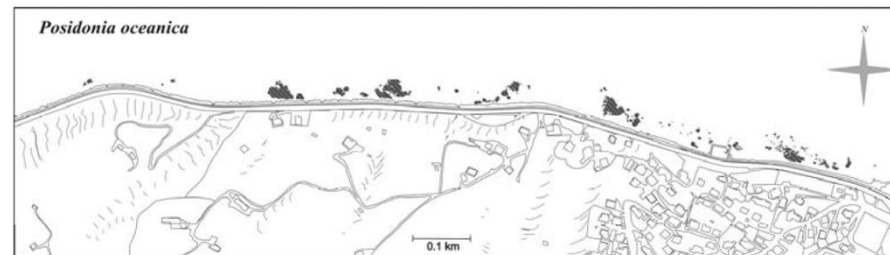


Fig. 3. Distribution of *P. oceanica* in the investigated area.

Sheet Map SL.PIRA.001

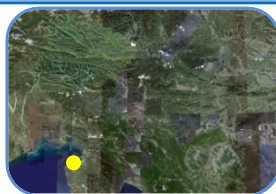
Reference

INSTITUTE OF THE REPUBLIC OF SLOVENIA FOR NATURE PROTECTION,
2008

Location

Slovenia, Piran

GPS Coordinates : N 45°31'50.11"
E 13°33'37.26"



Date of achievement

Methods

Size and accuracy

Copyright

GIS Layer communicated by: Institute of the Republic of Slovenia for Nature
Protection

Other

Sheet Map SL.STRU.001

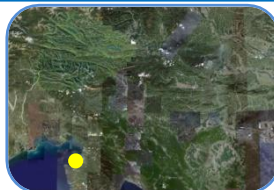
Reference

INSTITUTE OF THE REPUBLIC OF SLOVENIA FOR NATURE PROTECTION, 2008

Location

Slovenia, Strunjan

GPS Coordinates : N 45°32'18.50"
E 13°37'27.58"



Date of achievement

Methods

Size and accuracy

Copyright

GIS Layer communicated by: Institute of the Republic of Slovenia for Nature Protection

Other

Spain

Reference	Map Code	GIS
BENEDITO V., TORRES J., GINER I.M., ESTEBAN J.L., CAPACCIONI R., GARCIA-CARRASCOSA A.M., 1990. Distribution and preliminary evaluation of the state of the <i>Posidonia oceanica</i> on the coasts of the gulf of Valencia (Spain, Western Mediterranean). Coast. Rapp. Comm. int. Mer. Médit., 32(1) : 8	ES.VALE.001	✘
MARBA N., CEBRIAN J., ENRIQUEZ S., DUARTE C.M., 1996. Growth patterns of Western Mediterranean seagrasses : species-specific responses to seasonal forcing. Mar. Ecol. Prog. Ser., 133 : 203-215	ES.JONQ.001	✘
MINISTRY OF ENVIRONMENT. DIRECTORATE GENERAL FOR BIODIVERSITY, 2008	ES.ESPA.001	✔
PEREZ-RUFAZA A., ROS J., MARCOS C., BALLESTER R., PEREZ-RUFAZA I.M., 1989. Distribution and biomass of the macrophyte beds in a hypersaline coastal lagoon (the Mar Menor, SE Spain), and its recent evolution following major environmental changes. International Workshop on Posidonia Beds, Boudouresque C.F., Meinesz A., Fresi E. & Gravez V., edit., GIS Posidonie publ., 2 : 49-62	ES.MARM.001	✔
RAMOS-ESPLA A.A., 1984. Cartografía de la pradera superficial de <i>Posidonia oceanica</i> en la Bahía de Alicante (SE, España). International Workshop <i>Posidonia oceanica</i> Beds, Boudouresque C.F., Jeudy De Grissac A. & Olivier J. edit., GIS Posidonie publ., 1 : 57-61	ES.AICA.001	✘
RAMOS ESPLA A.A., MARTINEZ PEREZ L., ARANDA A., GUILLEN J.E., SANCHEZ JEREZ P., SANCHEZ LIZASO J.L., 1993. Protección de la pradera de <i>Posidonia oceanica</i> (L.) Delile mediante arrecifes artificiales disuasorios frente a la pesca de arrastre ilegal ; el caso de El Campello (SE ibérico). Publ. Espec. Inst. Esp. Oceanogr, 11 : 431-439	ES.CAMP.001	✘
TORRES J., GINER I.M., BENEDITO V., ESTEBAN J.L., CAPACCIONI R., GARCIA-CARRASCOSA A.M., 1990. Distribution and preliminary evaluation of the state of the <i>Posidonia oceanica</i> meadows on the coasts of Alicante (Spain, Western Mediterranean). Coast. Rapp. Comm. Int. Mer. Médit., 32(1) : 9	ES.ALIC.001	✘

✔ : Vectorized map in the GIS ✘ : Map with short cut in the GIS

Sheet Map ES.AICA.00

Reference

RAMOS-ESPLA A.A., 1984. Cartografía de la pradera superficial de *Posidonia oceanica* en la Bahía de Alicante (SE, España). International Workshop *Posidonia oceanica* Beds, Boudouresque C.F., Jeudy De Grissac A. & Olivier J. edit., GIS Posidonie publ., 1 : 57-61

Location

Spain, Alicante, Alicante bay

GPS Coordinates : N 38°18'1.31"
W 0°29'25.36"



Date of realisation

Methods

Photo interpretation from aerial photography
Data-field(scuba diving, apnea and transects)

Size and accuracy

Aerial Photography at 1/18 000 of 1978

Copyright

Other

Map

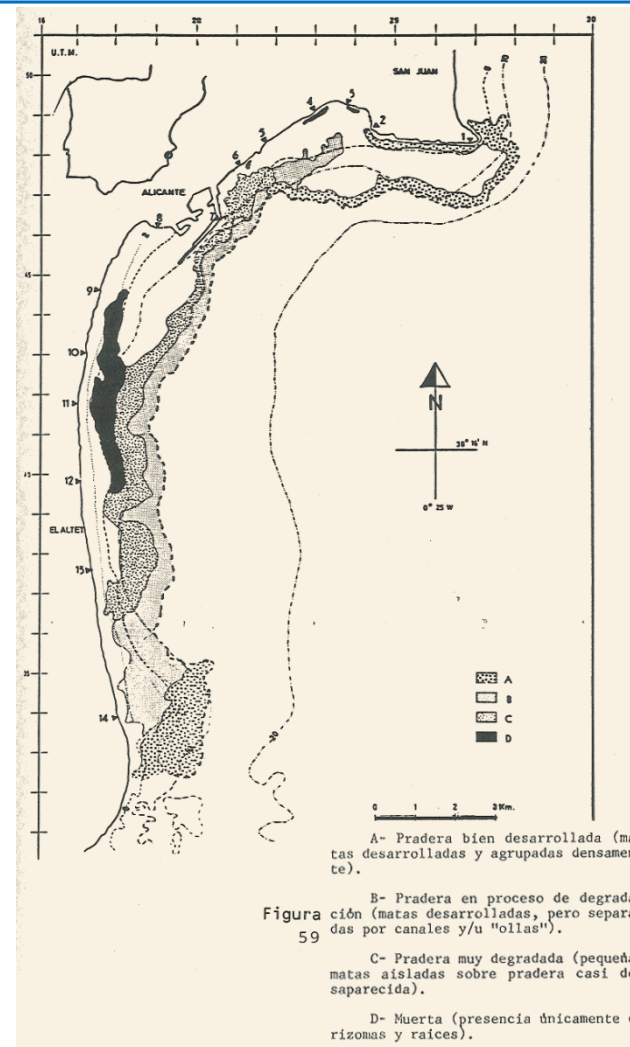


Figura 59

A- Pradera bien desarrollada (matas desarrolladas y agrupadas densamente).
B- Pradera en proceso de degradación (matas desarrolladas, pero separadas por canales y/u "ollas").
C- Pradera muy degradada (pequeñas matas aisladas sobre pradera casi desaparecida).
D- Muerta (presencia únicamente de rizomas y raíces).

Sheet Map ES.ALIC.001

Reference

TORRES J., GINER I.M., BENEDITO V., ESTEBAN J.L., CAPACCIONI R., GARCIA-CARRASCOSA A.M., 1990. Distribution and preliminary evaluation of the state of the *Posidonia oceanica* meadows on the coasts of Alicante (Spain Western Mediterranean). *Coast. Rapp. Comm. Int. Mer. Médit.*, 32(1) : 9

Location

Spain, Alicante, between Pilar de la Horadada and Teulada



Date of achievement

Methods

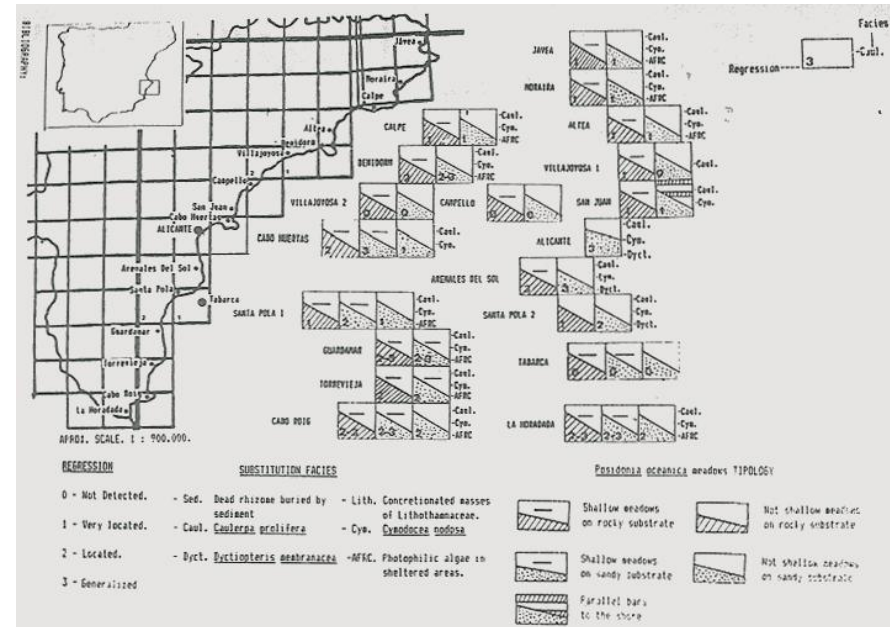
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map ES.CAMP.001

Reference

RAMOS ESPLA A.A., MARTINEZ PEREZ L., ARANDA A., GUILLEN J.E., SANCHEZ JEREZ P., SANCHEZ LIZASO J.L., 1993. Protección de la pradera de *Posidonia oceanica* (L.) Delile mediante arrecifes artificiales disuasorios frente a la pesca de arrastre ilegal ; el caso de El Campello (SE ibérico). Publ. Espec. Inst. Esp. Oceanogr, 11 : 431-439

Location

Spain, Valenciana, Alicante, Campello region

GPS Coordinates : N 38°27'49.52"
W 0°19'32.04"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)
Sonar

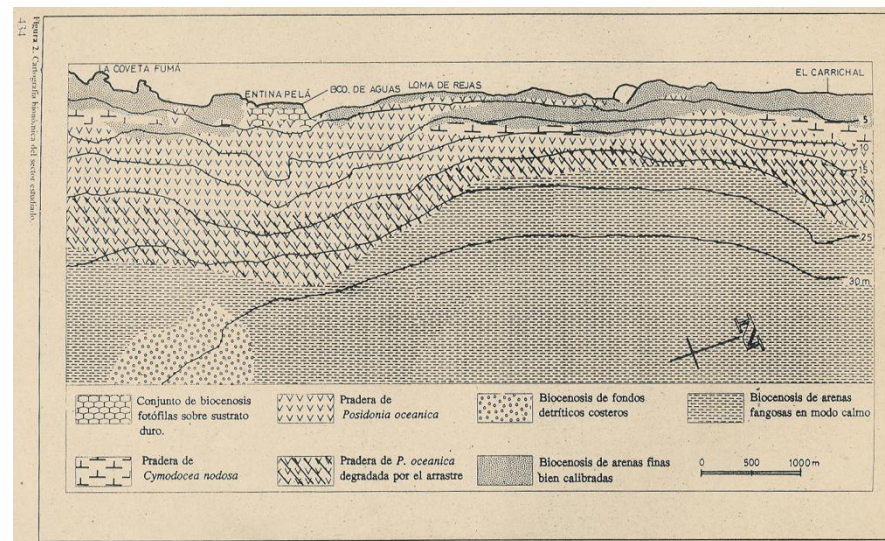
Size and accuracy

Aerial photography dated from 1957, 1978 and from 1987

Copyright

Other

Map



Sheet Map ES.ESP.001

Reference

MINISTRY OF ENVIRONMENT. DIRECTORATE GENERAL FOR BIODIVERSITY,
2008

Location

Spain



Date of achievement

Methods

Bibliographic
synthesis

Size and accuracy

Copyright

Ministry of environment. Directorate general for biodiversity

Other

Sheet Map ES.JONQ.001

Reference

MARBA N., CEBRIAN J., ENRIQUEZ S., DUARTE C.M., 1996. Growth patterns of Western Mediterranean seagrasses : species-specific responses to seasonal forcing. Mar. Ecol. Prog. Ser., 133 : 203-215

Location

Spain, Girona, Cala Jonquet

GPS Coordinates : N 42°18'11.58"
E 3°17'21.71"



Date of achievement

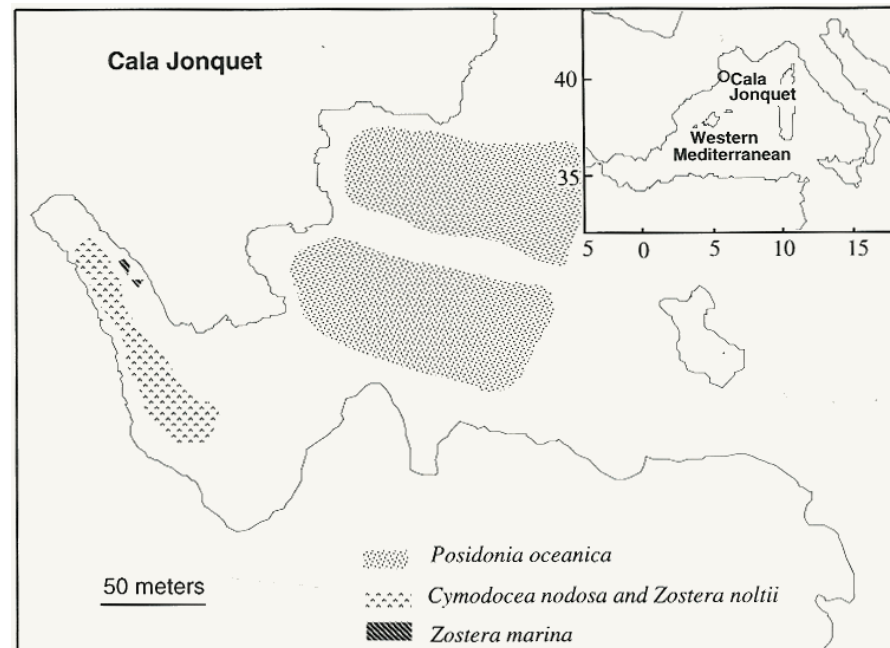
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map ES.MARM.001

Reference

PEREZ-RUFAZA A., ROS J., MARCOS C., BALLESTER R., PEREZ-RUFAZA I.M., 1989. Distribution and biomass of the macrophyte beds in a hypersaline coastal lagoon (the Mar Menor, SE Spain), and its recent evolution following major environmental changes. International Workshop on Posidonia Beds, Boudouresque C.F., Meinesz A., Fresi E. & Gravez V., edit., GIS Posidonie publ., 2 : 49-62

Location

Spain, Murcia, Mar Menor lagoon

GPS Coordinates : N 37°43'1.69"
W 0°46'50.91"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map ES.VALE.001

Reference

BENEDITO V., TORRES J., GINER I.M., ESTEBAN J.L., CAPACCIONI R., GARCIA-CARRASCOSA A.M., 1990. Distribution and preliminary evaluation of the state of the *Posidonia oceanica* on the coasts of the gulf of Valencia (Spain, Western Mediterranean). *Coast. Rapp. Comm. int. Mer. Médit.*, 32(1) : 8

Location

Spain, Valencia et Castellon, between Dénia and Vinaros



Date of realisation

Methods

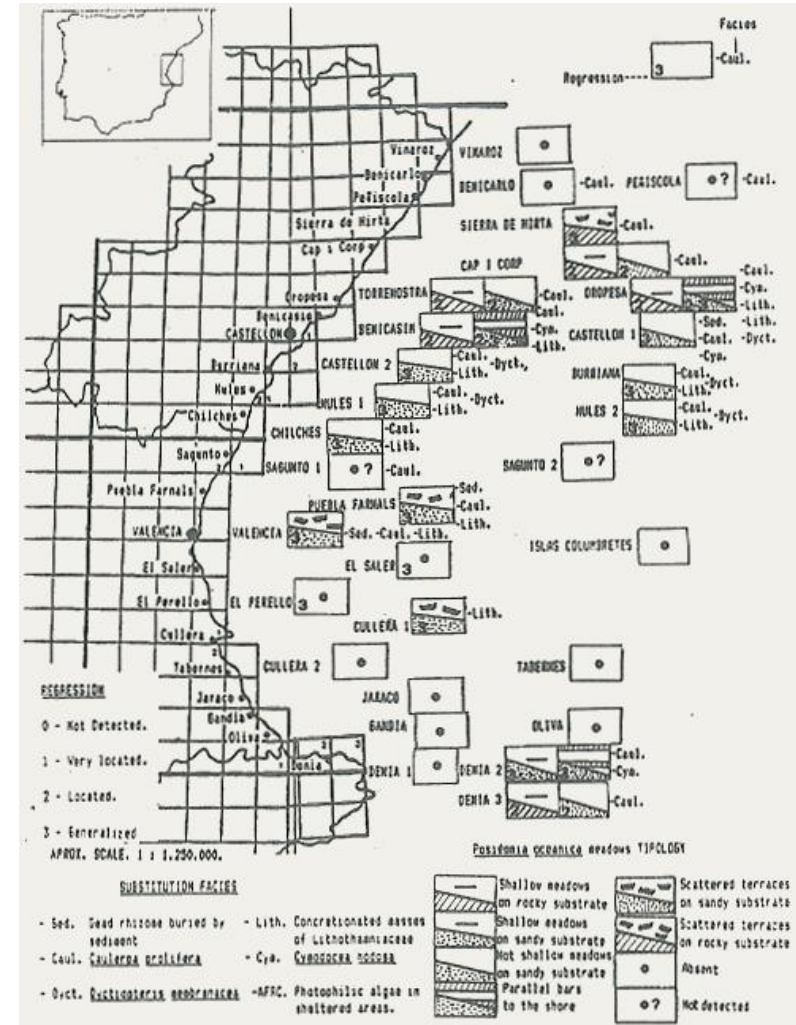
Data-field (scuba diving and transects)

Size and accuracy

Copyright

Other

Map



Tunisia

REFERENCE	Map Code	GIS
BEN ALAYA H., 1969. Mise en place des herbiers à Phanérogames marines et des peuplements algaux dans le golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 1 (3) : 113-122	TU.TUNI.001	x
BEN ALAYA H., 1972. Répartition et conditions d'installation de <i>Posidonia oceanica</i> Delile et <i>Cymodocea nodosa</i> Ascherson dans le Golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 2 (3) : 331-416	TU.CART.001	x
	TU.RAIS.001	x
	TU.TUNI.002	x
BEN CHIEKH ALMI I., 2007. Cartographie et caractérisation d'un herbier à <i>Posidonia oceanica</i> de la baie de Sidi Salem (Bizerte-Tunisie). Mémoire Master Biologie Intégrative des Ecosystèmes Littoraux, Univ. Tunis El Manar : 1-81 + annexes	TU.SALE.001	✓
BEN MUSTAPHA K., HATTOUR A., BEN ABDALLAH S., CHAOUCH M., TURKI B., 1993. Environnement marin du golfe de Gabes, la régression du couvert végétal. Observatoire de la Mer, IRSIR-INSTOP : 1-24	TU.GABE.001	x
	TU.GABE.006	x
BEN OTHMAN S., 1971. Observations hydrologiques, dragages et chalutages dans le Sud-Est tunisien. Bull. Inst. Océanogr. Pêche Salammbô, 2 (2) : 103-120	TU.GABE.003	x
BESSIBES M., 2007. Contribution à l'étude des peuplements macrophytobenthiques de l'infralittoral supérieur de la petite baie de Carthage (Golfe de Tunis). Mémoire Mastère « Biodiversité et Ressources Aquatiques », Univ. Sfax : 1-76	TU.CART.002	✓
BOUDOURESQUE C-F., HARMELIN J-G., JEUDY DE GRISSAC A., 1986. Le benthos marin de l'île de Zembra (Parc National, Tunisie). GIS Posidonie publ., Marseille, Fr. : 1-177 + annexes	TU.ZEMB.001	x
DARMOUL B., 1988. Pollution dans le Golfe de Gabès (Tunisie). Bilan de six années de surveillance (1976-1981). Bull. Inst. Océanogr. Pêche, Salammbô, 15 : 61-84	TU.GABE.005	✓
EL ASMI S., RAIS C., ROMDHANE M.S., EL HERRY S., 2003. Cartographie du récif-barrière de posidonies de la Baie de Sidi Raïs (côtes Nord-Orientales de la Tunisie). Actes du 2 ^{ème} Symposium méditerranéen sur la végétation marine, Athènes, 12-13 Décembre 2003, Regional Activity Centre for Specially Protected Areas publ., Tunis : 136-144	TU.RAIS.002	✓

EL ASMI-DJELLOULI Z., 2004. Effets des herbiers à <i>Posidonia oceanica</i> sur la dynamique marine et la sédimentologie littorale dans la Baie de Monastir (Tunisie orientale). Thèse Univ. Tunis El Manar, Fac. Sci. Tun. : 1-185	TU.MONA.002	✓
GAILLANDE D. DE, 1970. Peuplements benthiques de l'herbier de <i>Posidonia oceanica</i> (Delile), de la pelouse à <i>Caulerpa prolifera</i> Lamouroux et du large du golfe de Gabes. <i>Téthys</i> , Fr., 2(2) : 373-383	TU.GABE.002	✗
INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes	TU.BIBA.001 TU.BIBA.002 TU.GABE.004 TU.GALI.001 TU.HAMM.001 TU.HAMM.002 TU.KERK.001 TU.KLIB.001 TU.MONA.001	✗ ✗ ✗ ✗ ✗ ✗ ✗ ✗ ✗
KSONTINI M., DJELLOULI A.S., LANGAR H., ABDELJAOUED S., 2007. L'herbier à <i>Posidonia oceanica</i> de Port-Princes (Cap Bon, Tunisie) : Etude et présentation d'un patrimoine naturel. Actes du 3 ^{ème} Symposium méditerranéen sur la végétation marine, Marseille, 27-29 Mars 2007, Regional Activity Centre for Specially Protected Areas publ., Tunis : 274-276	TU.PRIN.001	✓
MEDPOSIDONIA. <i>In press</i>	TU.ALIE.001 TU.KERK.002 TU.MONA.003 TU.MONA.004 TU.MONA.005	✓ ✓ ✓ ✓ ✓
NIERI M., SLOECK O., BOUDOURESQUE C.F., SHILI A., TRABELSI E.B., 1992. Contribution à l'étude de l'écosystème du lac Ichkeul (Tunisie). Les compartiments flore et faune lagunaires. <i>GIS Posidonie publ.</i> , Marseille, Fr. : 1-76	TU.ICHK.001 TU.ICHK.002	✗ ✗
OKIANOS, PERGENT G., 2008. Document non publié	TU.TABA.001	✓

PERGENT G., BEN MAÏZ N., 2002. Le lac nord de tunis : exemple de restauration d'une lagune mediterraneenne. « <i>restauration des ecosystemes cotiers</i> », dreves I & m. Chaussepied edit., ifremer publ., actes de colloques, 29 : 168-178	TU.LACN.001	✓
SHILI A., 2008. Les peuplements à <i>Ruppia</i> (Monocotyledone, Ruppiaaceae) des milieux lagunaires de Tunisie. Thèse Doct. « Biosciences de l'Environnement, Chimie et Santé », Univ. de la Méditerranée, Centre d'Océanologie de Marseille, Aix-Marseille II : 1-305 + annexes	TU.GHAR.002 TU.ICHK.003 TU.KORB.001	✓ ✓ ✓
SHILI A., BEN MAÏZ N., BOUDOURESQUE C-F., 2007. Diversité des peuplements phytobenthiques dans les lagunes du Cap Bon (Nord-Est de la Tunisie). Actes du 3 ^{ème} Symposium méditerranéen sur la végétation marine, Marseille, 27-29 Mars 2007, Regional Activity Centre for Specially Protected Areas publ., Tunis : 179-184	TU.KELI.001	✓
SHILI A., TRABELSI E.B., BEN MAÏZ N., 2002. Benthic macrophyte communities in the Ghar El Melh lagoon (North Tunisia). Journal of Coastal Conservation, 8 : 135-140	TU.GHAR.001	✗
VELA, A., DJELLOULI, A., LANGAR, H., PASQUALINI, V., PERGENT, G., PERGENT-MARTINI, C., MRABET, R., DJABOU, H., 2005. Use of SPOT 5 and IKONOS satellites for mapping biocenoses in a Tunisian Lagoon. In : Proceedings of the seventh International Conference on the Mediterranean Coastal Environment, MEDCOAST 05, E. Ozhan Edit., MEDCOAST Secretariat, Middle East Technical Univ. Publ. 1383-1391	TU.BIBA.003	✓
ZOUALI J., 1971. La mer de Bou Grara : les fonds et les peuplements végétaux. Bulletin de l'Institut National Scientifique d'Océanographie et de Pêche, Salammbô, 2(2) : 229-235	TI.BOUG.001	✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map TU.ALIE.001

Reference

Programme MEDPOSIDONIA. *In press*

Location

Tunisia, Sidi Ali El Mekki

GPS Coordinates : N 37°11'4.07"
E 10°15'57.22"



Date of achievement

2007-2008

Methods

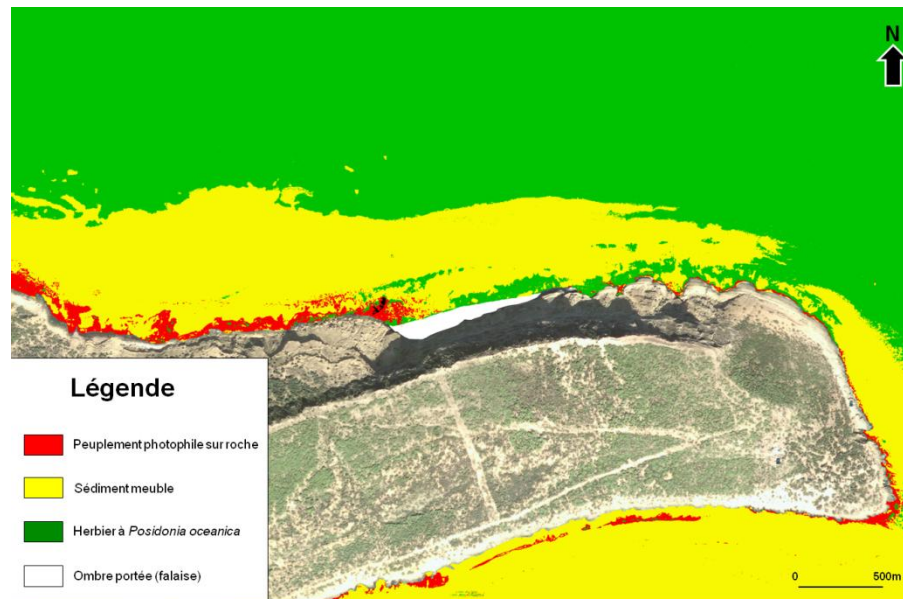
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.BIBA.001

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, El Biban lagoon

GPS Coordinates : N 33°14'20.85"
E 11°15'46.96"



Date of achievement

Methods

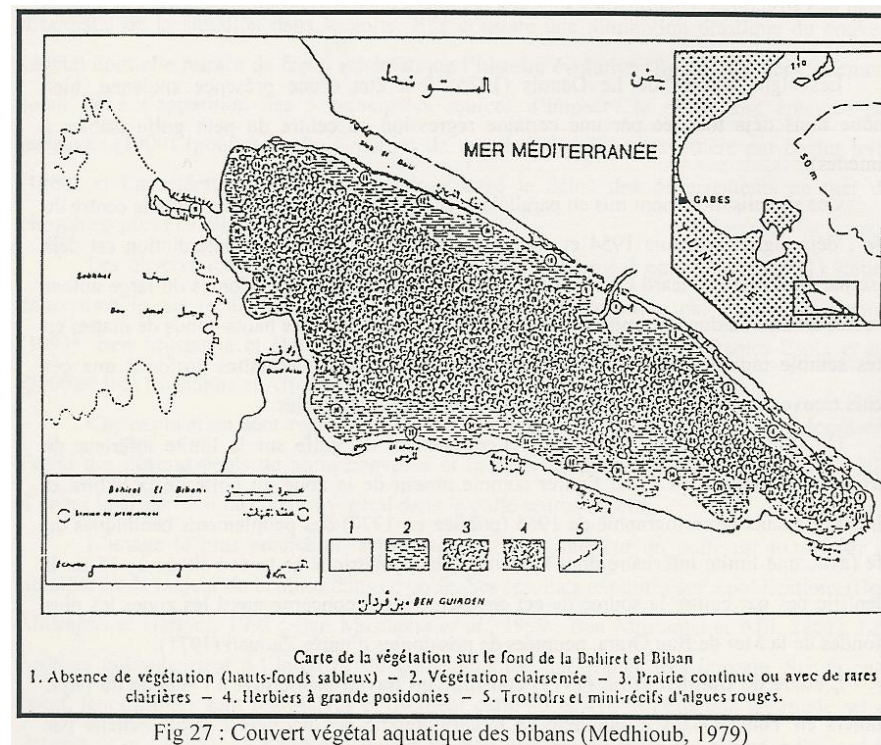
Bibliographic synthesis from the document :
MEDHIOUB K., 1979. La Bahiret El Biban. Etude géochimique et sédimentologique d'une lagune du Sud-Est tunisien. *Trav. Lab. Geol. ENS, Paris 13* : 1-150

Size and accuracy

Copyright

Other

Map



Sheet Map TU.BIBA.002

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, El Biban lagoon

GPS Coordinates : N 33°14'20.85"
E 11°15'46.96"



Date of achievement

Methods

Bibliographic synthesis from the document :
PERGENT G., ZOUALI J., 1992. Analyse phénologique et lépidochronologique de *Posidonia oceanica* dans une lagune hyperhaline du Sud tunisien. Rapp. Comm. Int. Mer Medit., 33 (1992) : 1-48

Size and accuracy

Copyright

Other

Map

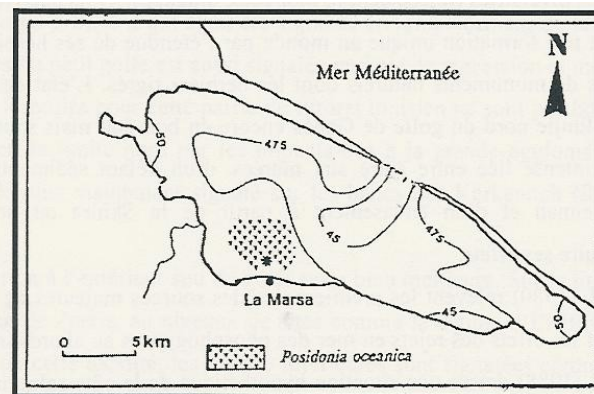


Fig 28 :Signalisation de *Posidonia oceanica* au sud des Bibans (Pergent et Zaouali, 1992)

Sheet Map TU.BIBA.003

Reference

VELA, A., DJELLOULI, A., LANGAR, H., PASQUALINI, V., PERGENT, G., PERGENT-MARTINI, C., MRABET, R., DJABOU, H., 2005. Use of SPOT 5 and IKONOS satellites for mapping biocenoses in a Tunisian Lagoon. In : Proceedings of the seventh International Conference on the Mediterranean Coastal Environment, MEDCOAST 05, E. Ozhan Edit., MEDCOAST Secretariat, Middle East Technical Univ. Publ. :1383-1391

Location

Tunisia, El Biban lagoon

GPS Coordinates : N 33°14'20.85"
E 11°15'46.96"



Date of achievement

Methods

Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Satellite image SPOT 5 dated from May 2004 and Satellite image IKONOS dated from September 2003

Copyright

Other

Map

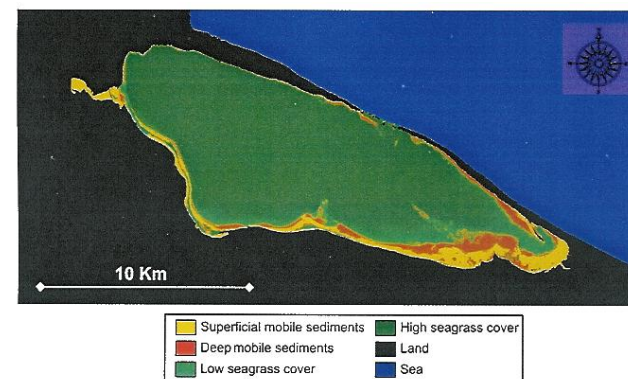


Fig. 3. Map of the benthic assemblages and bottom types of the entire El Bibane lagoon (southern Tunisia) from SPOT 5 image classification (pixel size: 2.5 m).

Sheet Map TU.BOUG.001

Reference

ZOUALI J., 1971. La mer de Bou Grara : les fonds et les peuplements végétaux. Bulletin de l'Institut National Scientifique d'Océanographie et de Pêche, Salammbô, 2(2) : 229-235

Location

Tunisia, mer de Bou Grara

GPS Coordinates : N 33°34'51.70"
E 10°48'21.88"



Date of achievement

Methods

Size and accuracy

Copyright

Other

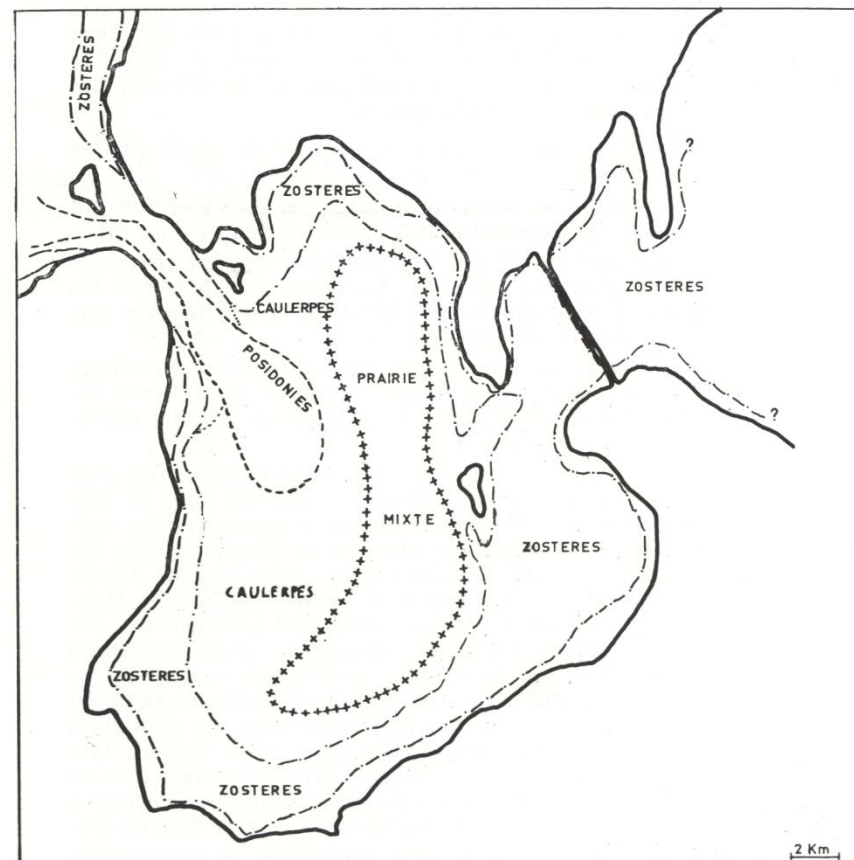


Fig. 3. : Les peuplements végétaux

Sheet Map TU.CART.001

Reference

BEN ALAYA H., 1972. Répartition et conditions d'installation de *Posidonia oceanica* Delile et *Cymodocea nodosa* Ascherson dans le Golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 2 (3) : 331-416

Location

Tunisia, gulf of Tunis, from Cap Carthage to Salammbô

GPS Coordinates : N 36°51'17.26"
E 10°20'30.14"



Date of achievement

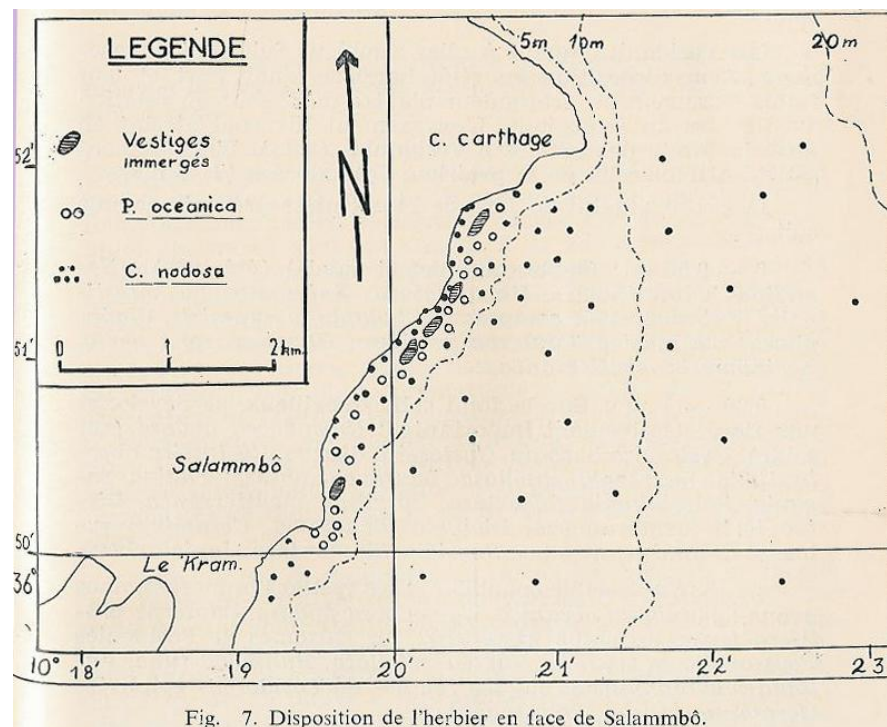
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map TU.CART.002

Reference

BESSIBES M., 2007. Contribution à l'étude des peuplements macrophytobenthiques de l'infralittoral supérieur de la petite baie de Carthage (Golfe de Tunis). Mémoire Mastère « Biodiversité et Ressources Aquatiques », Univ. Sfax : 1-76

Location

Tunisia, gulf of Tunis, Carthage bay

GPS Coordinates : N 36°50'38.79"
E 10°19'38.90"



Date of achievement

Methods

Photo interpretation from satellite images
Data-field (scuba diving and transect)

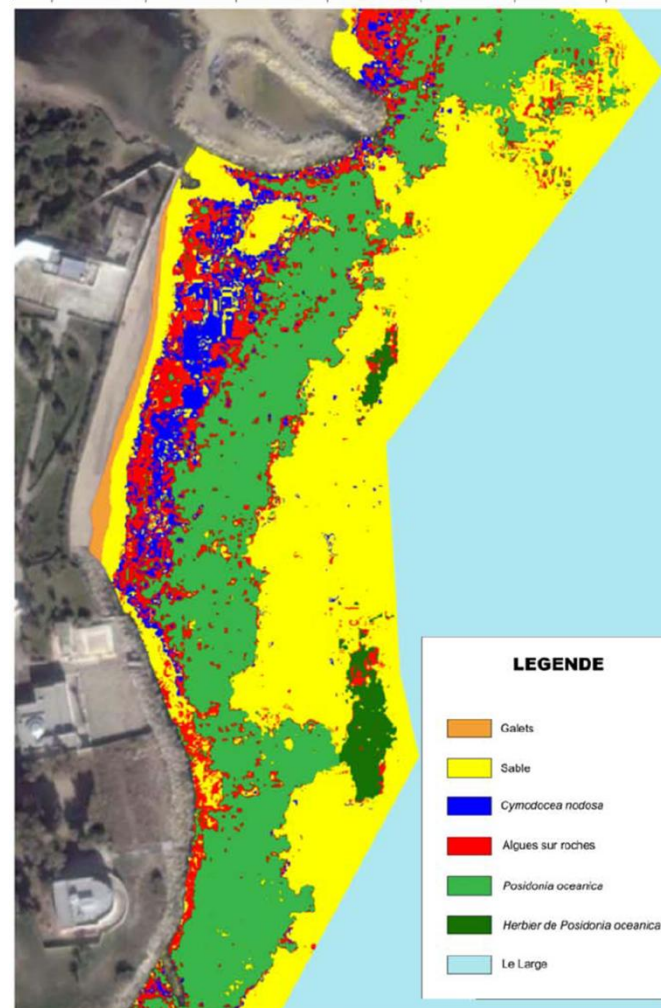
Size and accuracy

Satellite Image Google Earth dated from 2007 with an accuracy ≈ 2.6 m

Copyright

Other

Map



Sheet Map TU.GABE.001

Reference

BEN MUSTAPHA K., HATTOUR A., BEN ABDALLAH S., CHAOUCH M., TURKI B., 1993. Environnement marin du golfe de Gabès, la régression du couvert végétal. Observatoire de la Mer, IRSIR-INSTOP : 1-24

Location

Tunisia, gulf of Gabès

GPS Coordinates : N 34°11'49.82"
E 10°42'00.67"



Date of achievement

Methods

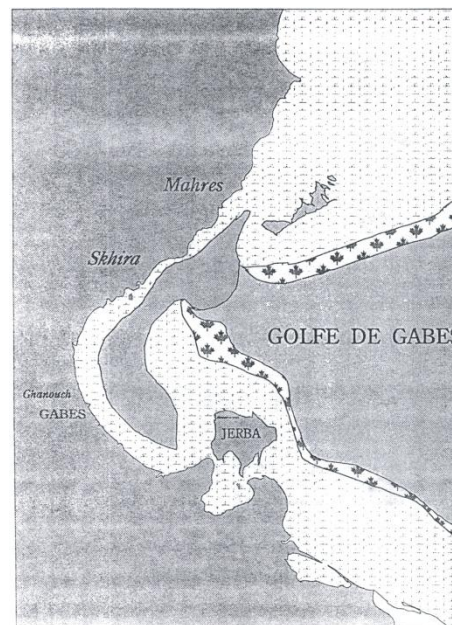
Bibliographic synthesis from the document: LE DANOIS, 1924

Size and accuracy

Copyright

Other

Map



CARTE DES FONDS DU GOLFE DE GABÈS
(d'APRÈS LE DANOIS, 1924)

Légende

- Herbier de posidonie
- Pelouse à caulerpe
- Sediment grossier
- Sediment vaseux

Sheet Map TU.GABE.002

Reference

GAILLANDE D. DE, 1970. Peuplements benthiques de l'herbier de *Posidonia oceanica* (Delile), de la pelouse à *Caulerpa prolifera* Lamouroux et du large du golfe de Gabès. Téthys, Fr., 2(2) : 373-383

Location

Tunisia, gulf of Gabes
s

GPS Coordinates : N 34°11'49.82"
E 10°42'00.67"



Date of achievement

Methods

Data-field (scuba diving)

Size and accuracy

Copyright

Other

Map

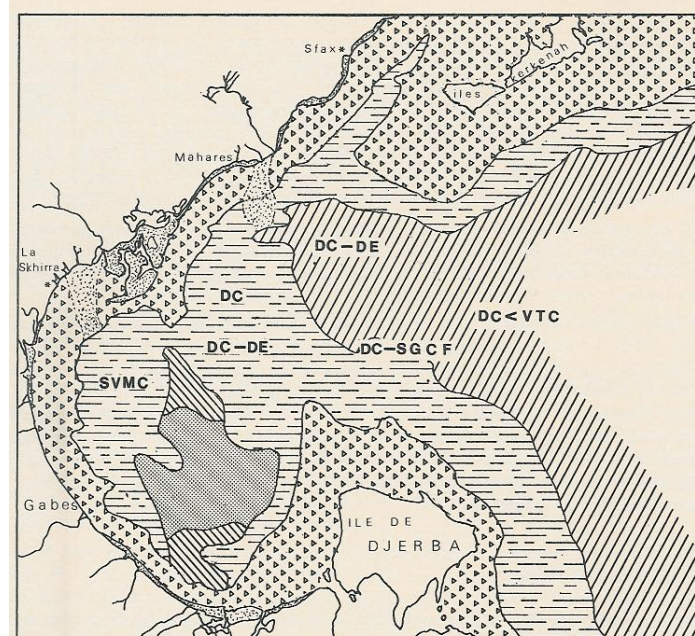
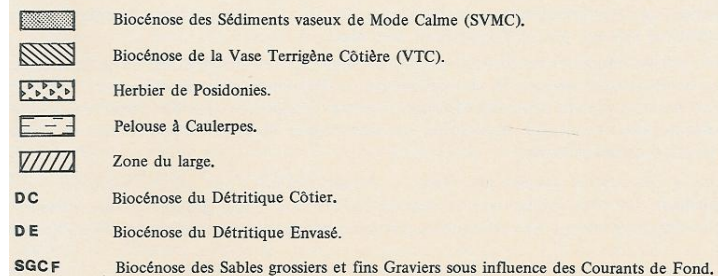


Figure 3 – Carte des peuplements benthiques des substrats meubles du Golfe de Gabès.



Sheet Map TU.GABE.003

Reference

BEN OTHMAN S., 1971. Observations hydrologiques, dragages et chalutages dans le Sud-Est tunisien. Bull. Inst. Océanogr. Pêche Salammbô, 2 (2) : 103-120

Location

Tunisia, gulf of Gabes

GPS Coordinates : N 34°11'49.82"
E 10°42'00.67"



Date of achievement

Methods

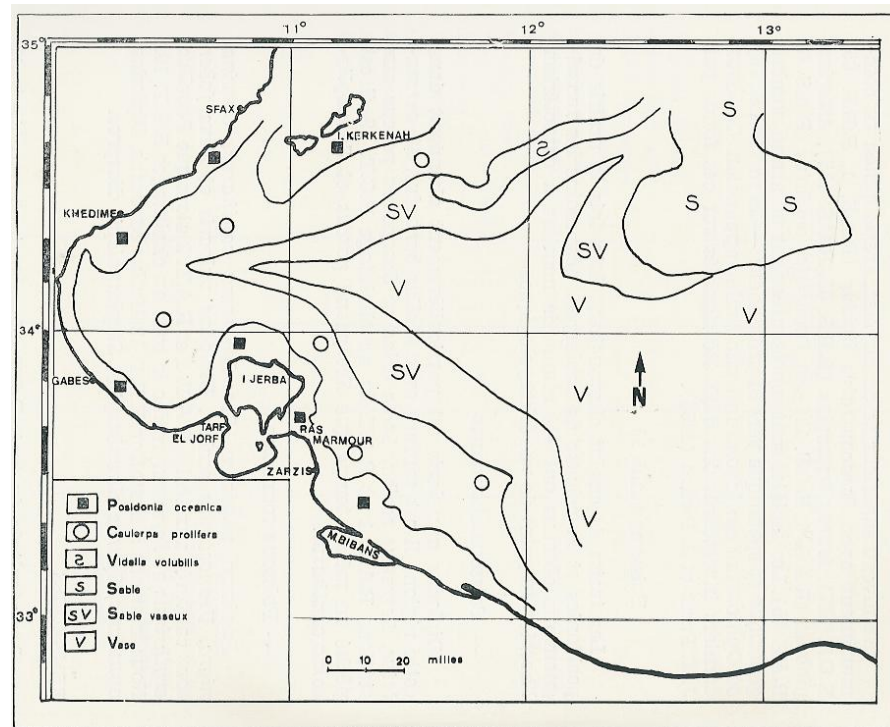
Data-field (dredging ,trawling and transects)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.GABE.004

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, gulf of Gabes

GPS Coordinates : N 34°11'49.82"
E 10°42'00.67"



Date of achievement

Methods

Bibliographic synthesis from the document :
KTARI-CHAKROUN F., AZOUZ A., 1971. Les fonds chalutables de la région Sud-Est de la Tunisie (golfe de Gabes). Bull. Inst. Océanogr. Pêche, Salammbô, vol. 2, n°1 : 5-47

Size and accuracy

Copyright

Other

Map

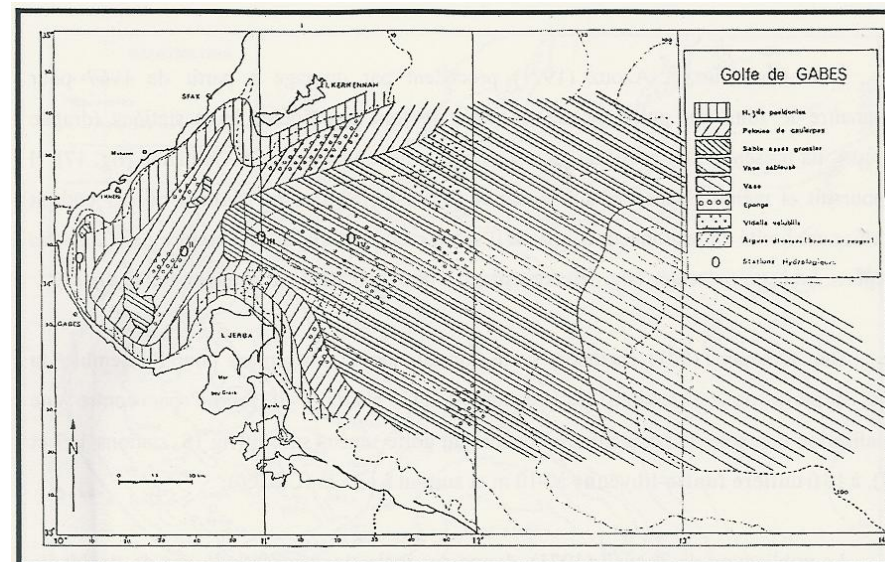


Fig 17 : Constitution du fond du golfe selon Ktari Chakroun et Azouz (1971)

Sheet Map TU.GABE.005

Reference

DARMOUL B., 1988. Pollution dans le Golfe de Gabès (Tunisie). Bilan de six années de surveillance (1976-1981). Bull. Inst. Océanogr. Pêche, Salambô, 15 : 61-84

Location

Tunisia, gulf of Gabes

GPS Coordinates : N 34°11'49.82"
E 10°42'00.67"



Date of achievement

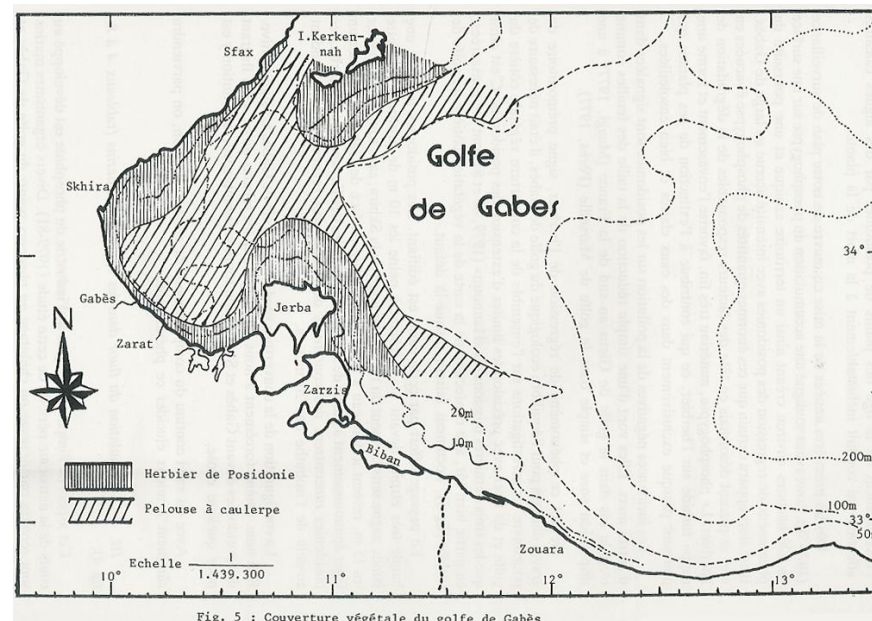
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map TU.GABE.006

Reference

BEN MUSTAPHA K., HATTOUR A., BEN ABDALLAH S., CHAOUCH M., TURKI B., 1993. Environnement marin du golfe de Gabes, la régression du couvert végétal. Observatoire de la Mer, IRSIR-INSTOP : 1-24

Location

Tunisia, gulf of Gabes

GPS Coordinates : N 34°11'49.82"
E 10°42'00.67"



Date of achievement

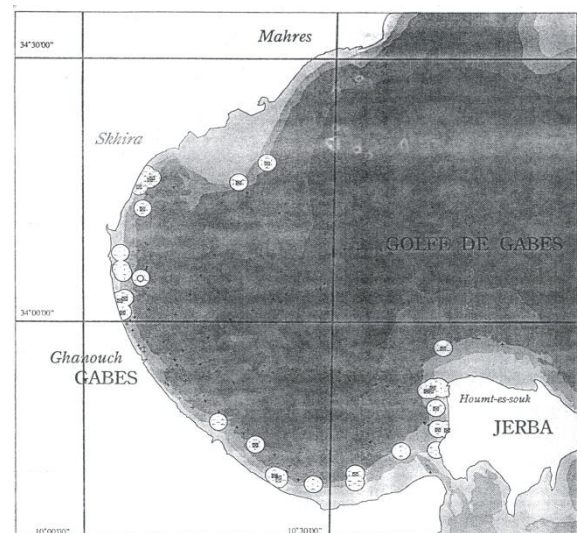
Methods

Size and accuracy

Copyright

Other

Map



CARTOGRAPHIE ET ÉTAT
DES HERBIERS DE POSIDONIES
AU GOLFE DE GABÈS

Légende

- Herbier de posidonie
- Herbier régressif de type 1
- Herbier régressif de type 2
- Herbier régressif de type 3

Sheet Map TU.GALI.001

Location

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Localisation

Tunisa, La Galite island

GPS Coordinates : N 37°32'2.56"
E 8°55'30.94"



Date of achievement

Methods

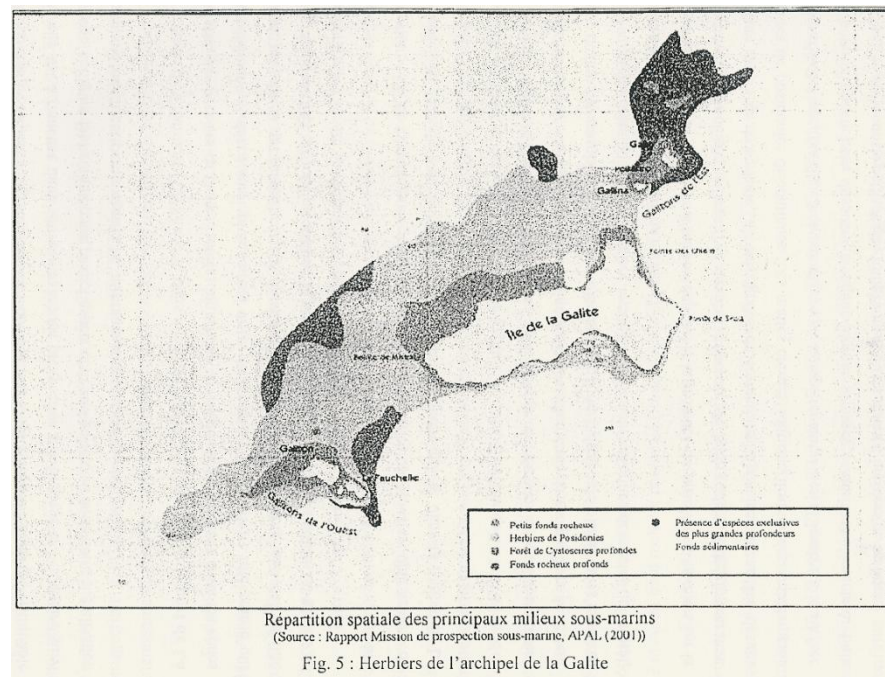
Bibliographic synthesis from the document :
APAL, 2001. Plan de gestion du parc national de La Galite. Phase I. Diagnostic et caractérisation de l'archipel. Version provisoire, septembre 2001. Document MEAT/APAL : 1-88 + annexes

Size and accuracy

Copyright

Other

Map



Sheet Map TU.GHAR.001

Reference

SHILI A., TRABELSI E.B., BEN MAÏZ N., 2002. Benthic macrophyte communities in the Ghar El Melh lagoon (North Tunisia). *Journal of Coastal Conservation*, 8 : 135-140

Location

Tunisia, Ghar El Melh lagoon

GPS Coordinates : N 37°08'51.62"
E 10°11'05.49"



Date of achievement

August 1999 to February 2000

Methods

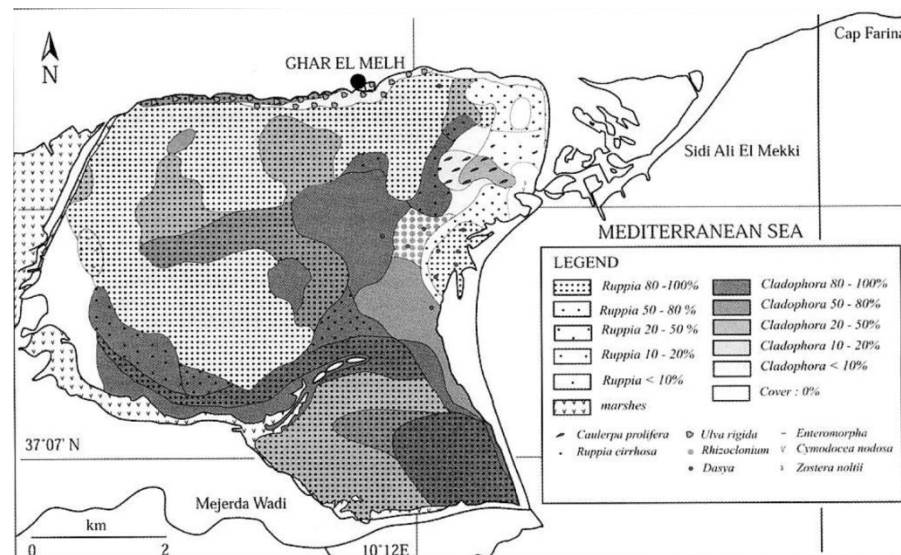
Data-field (transects)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.GHAR.002

Reference

SHILI A., 2008. Les peuplements à *Ruppia* (Monocotyledone, Ruppiaaceae) des milieux lagunaires de Tunisie. Thèse Doct. « Biosciences de l'Environnement, Chimie et Santé », Univ. de la Méditerranée, Centre d'Océanologie de Marseille, Aix-Marseille II : 1-305 + annexes

Location

Tunisia, Ghar El Melh lagoon

GPS Coordinates : N 37°08'51.62"
E 10°11'05.49"



Date of achievement

February 2000

Methods

Data-field (transects)

Size and accuracy

Copyright

Other

Map

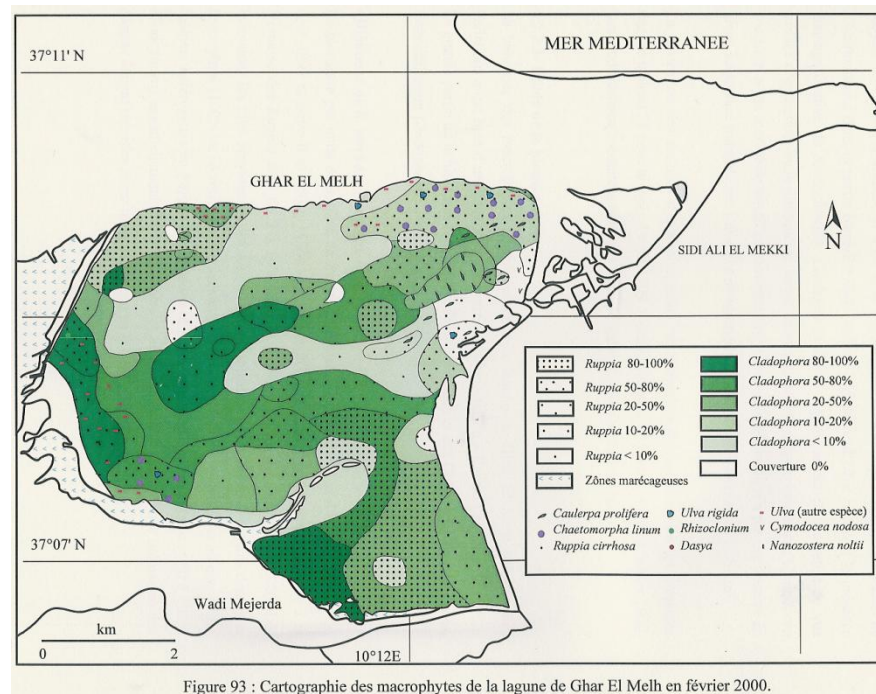


Figure 93 : Cartographie des macrophytes de la lagune de Ghar El Melh en février 2000.

Sheet Map TU.HAMM.001

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, gulf of Hammamet

GPS Coordinates : N 36°18'11.31"
E 11° 1'25.75"



Date of achievement

Methods

Bibliographic synthesis from the document :
BEN MUSTAPHA K., HATTOUR A., 1992. Les herbiers de posidonies du littoral tunisien. 1. Le golfe de Hammamet. *Notes Inst. Nation. Sci. Techn. Océanogr. Pêche Salammbô*. N°2 : 1-44

Size and accuracy

Copyright

Other

Map

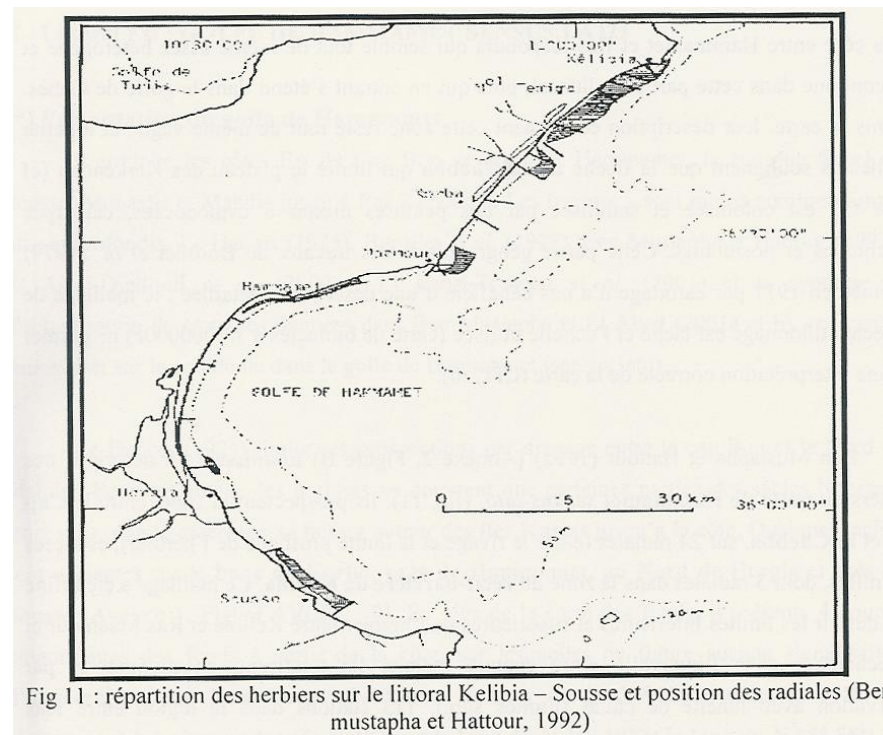


Fig 11 : répartition des herbiers sur le littoral Kelibia – Sousse et position des radiales (Ben mustapha et Hattour, 1992)

Sheet Map TU.HAMM.002

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, gulf of Hammamet

GPS Coordinates : N 36°21'38.95"
E 10°34'24.60"



Date of achievement

Methods

Bibliographic synthesis from the document :

EL BAHRI T., SHILI A., BEN MAIZ N., 2001. Upper reaches of *Posidonia oceanica* beds at « Marina » station, gulf of Hammamet (North Tunisia). Proc. Fifth International Conference on the Mediterranean Coastal Environment. MEDCOAST 01. E. Özhan (Editor) : 603-608

Size and accuracy

Copyright

Other

Map

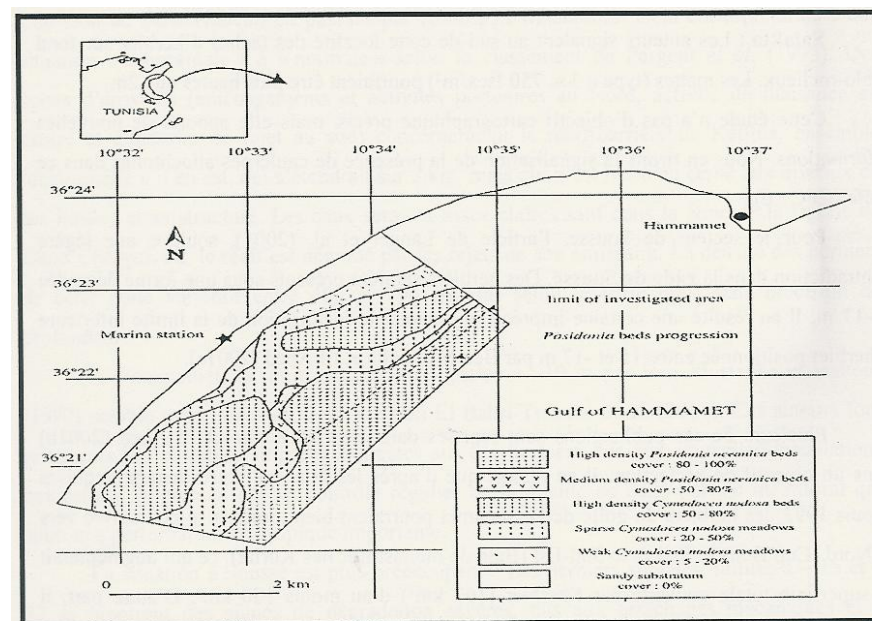


Fig. 15 : Cartographie des fonds d'un secteur de la zone hôtelière de Hammamet-Sud (El Bahri-Trabelsi *et al.*, 2001)

Sheet Map TU.ICHK.001

Reference

NIERI M., SLOECK O., BOUDOURESQUE C.F., SHILI A., TRABELSI E.B., 1992. Contribution à l'étude de l'écosystème du lac Ichkeul (Tunisie). Les compartiments flore et faune lagunaires. *GIS Posidonie publ.*, Marseille, Fr. : 1-76

Location

Tunisia, Ichkeul lake

GPS Coordinates : N 37°09'43.55"
E 9°40'29.76"



Date of achievement

Methods

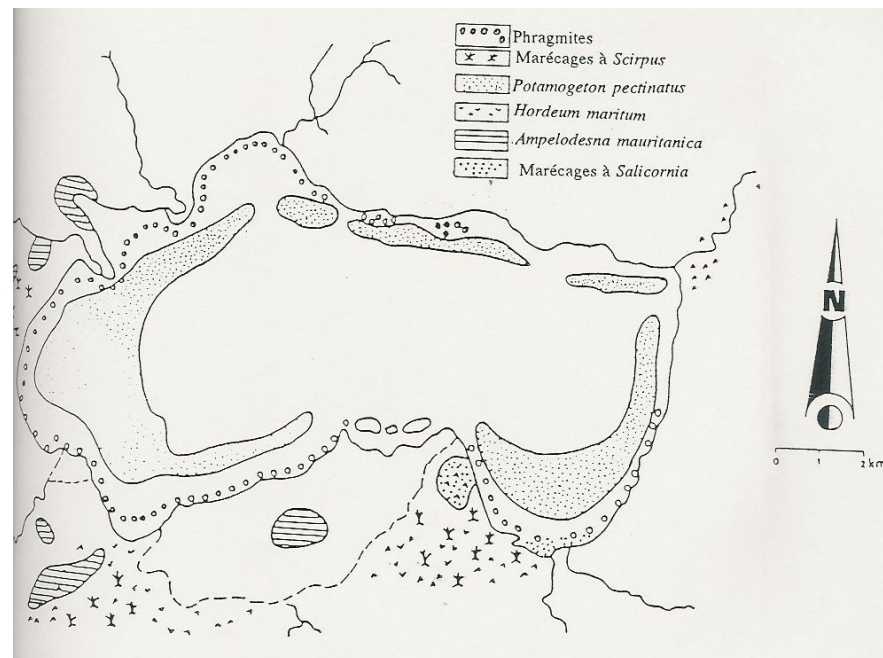
Bibliographic synthesis from the document :
HOLLIS G.E., 1977. Aménagement plan for the proposed Park National de l'Ichkeul, Tunisia. Report series n°10, University College, London : 1-240

Size and accuracy

Copyright

Other

Map



Sheet Map TU.ICHK.002

Reference

NIERI M., SLOECK O., BOUDOURESQUE C.F., SHILI A., TRABELSI E.B., 1992. Contribution à l'étude de l'écosystème du lac Ichkeul (Tunisie). Les compartiments flore et faune lagunaires. *GIS Posidonie publ.*, Marseille, Fr. : 1-76

Location

Tunisia, Ichkeul lake

GPS Coordinates : N 37°09'43.55"
E 9°40'29.76"



Date of achievement

January and February 1992

Methods

Data-field

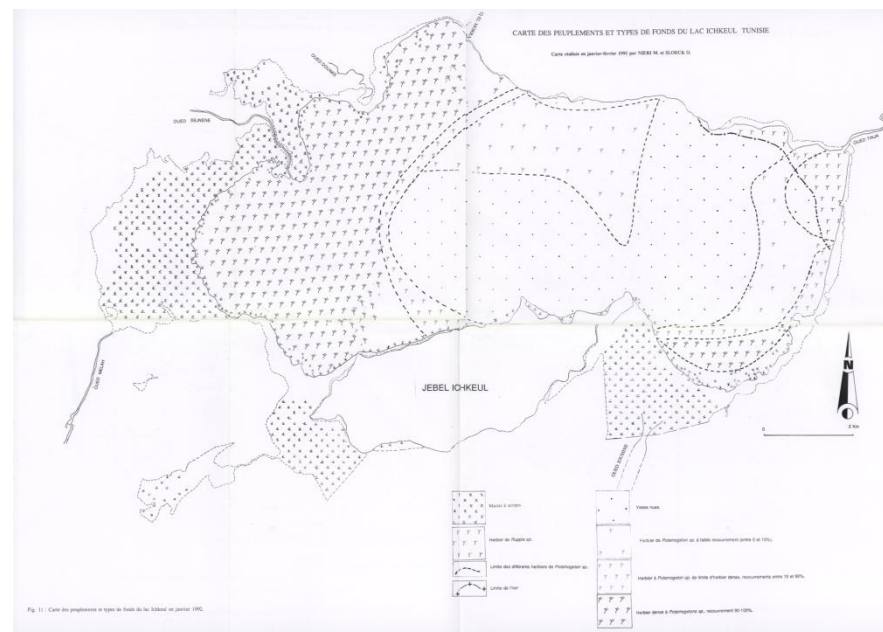
Size and accuracy

Map scale 1/25 000

Copyright

Other

Map



Sheet Map TU.ICHK.003

Reference

SHILI A., 2008. Les peuplements à *Ruppia* (Monocotyledone, Ruppiaceae) des milieux lagunaires de Tunisie. Thèse Doct. « Biosciences de l'Environnement, Chimie et Santé », Univ. de la Méditerranée, Centre d'Océanologie de Marseille, Aix-Marseille II : 1-305 + annexes

Location

Tunisia, Ichkeul lake

GPS coordinates : N 37°09'43.55"
E 9°40'29.76"



Date of achievement

September 1998

Methods

Data-field (transects)

Size and accuracy

Copyright

Other

Map

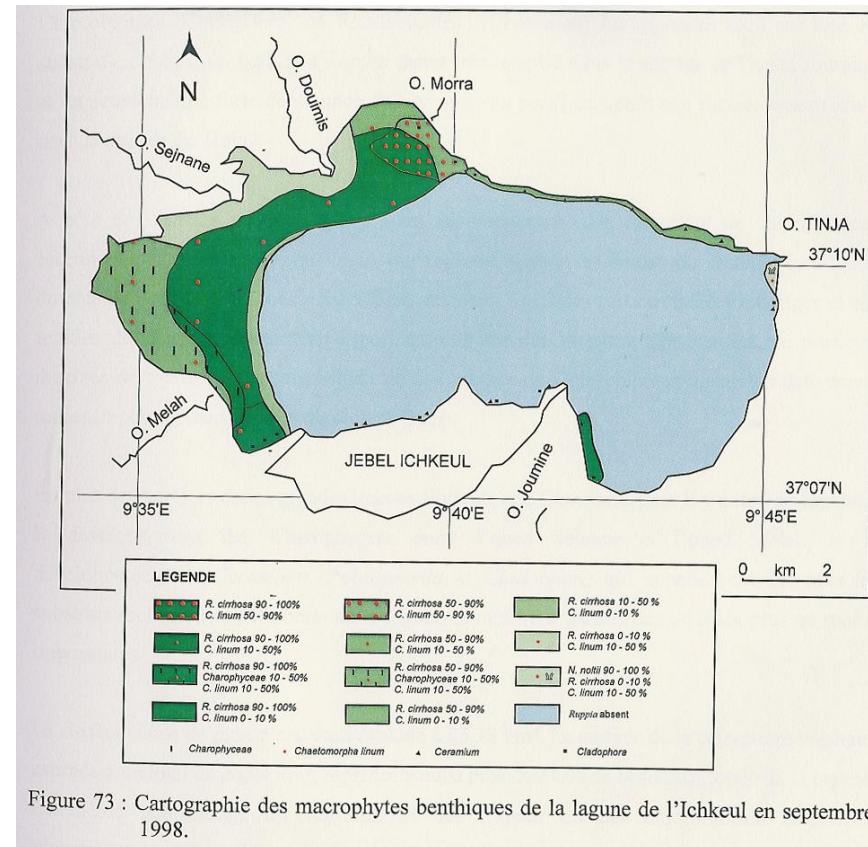


Figure 73 : Cartographie des macrophytes benthiques de la lagune de l'Ichkeul en septembre 1998.

Sheet Map TU.KELI.001

Reference

SHILI A., BEN MAÏZ N., BOUDOURESQUE C-F., 2007. Diversité des peuplements phytobenthiques dans les lagunes du Cap Bon (Nord-Est de la Tunisie). Actes du 3^{ème} Symposium méditerranéen sur la végétation marine, Marseille, 27-29 Mars 2007, Regional Activity Centre for Specially Protected Areas publ., Tunis : 179-184

Location

Tunisia, Cap Bon, Kelibia lagoon

GPS Coordinates : N 36°50'19.36"
E 11°06'10.86"



Date of achievement

Spring 2001

Methods

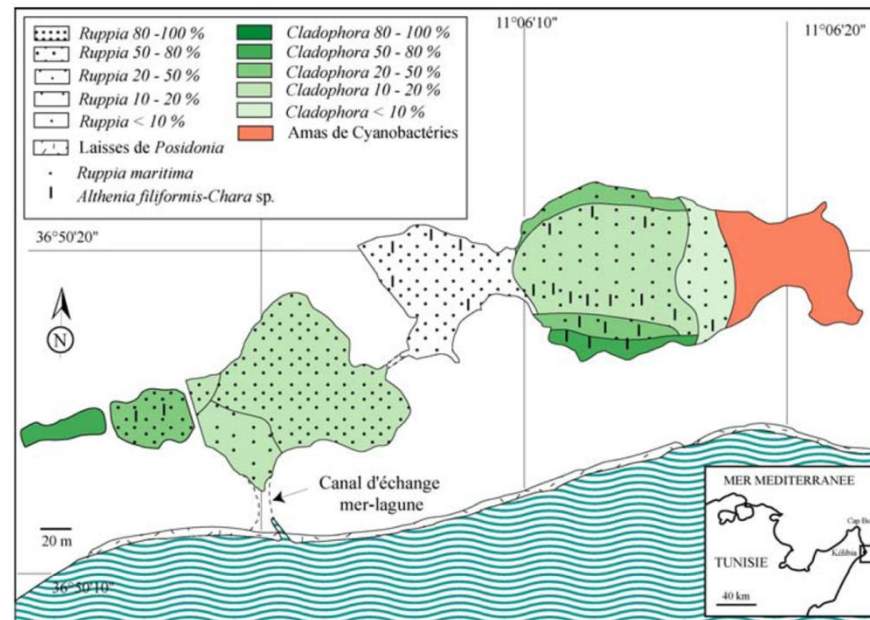
Data-field (transects)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.KERK.001

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, Kerkennah islands

GPS Coordinates : N 34°45'34.11"
E 11° 1'10.10"



Date of achievement

Methods

Bibliographic synthesis from the document :
BUROLLET P. F., 1983. Répartition des Posidonies à l'Est de la Tunisie.
Rapp.P.V. Comm. int. Mer Méditerranée, Monaco, 28(3) : 173-174

Size and accuracy

Copyright

Other

Map

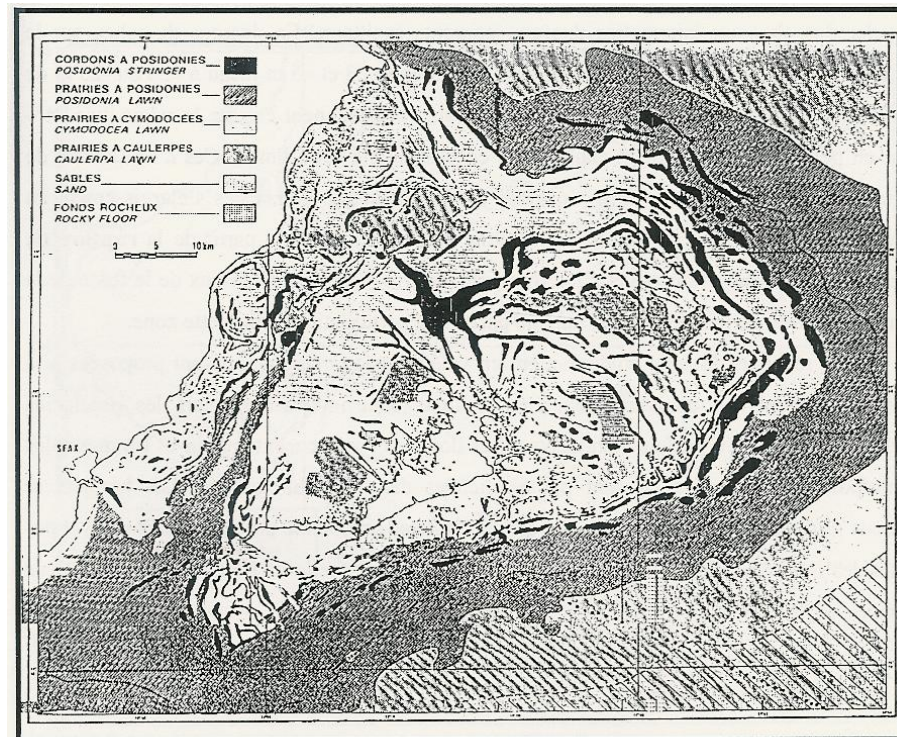


Fig. 20 : Carte de la végétation marine des Kerkennah (Buroillet, 1983)

Sheet Map TU.KERK.002

Reference

Programme MEDPOSIDONIA. *In press*

Location

Tunisia, Kerkennah island

GPS Coordinates : N 34°42'0.12"
E 11° 7'47.12"



Date of achievement

2007-2008

Methods

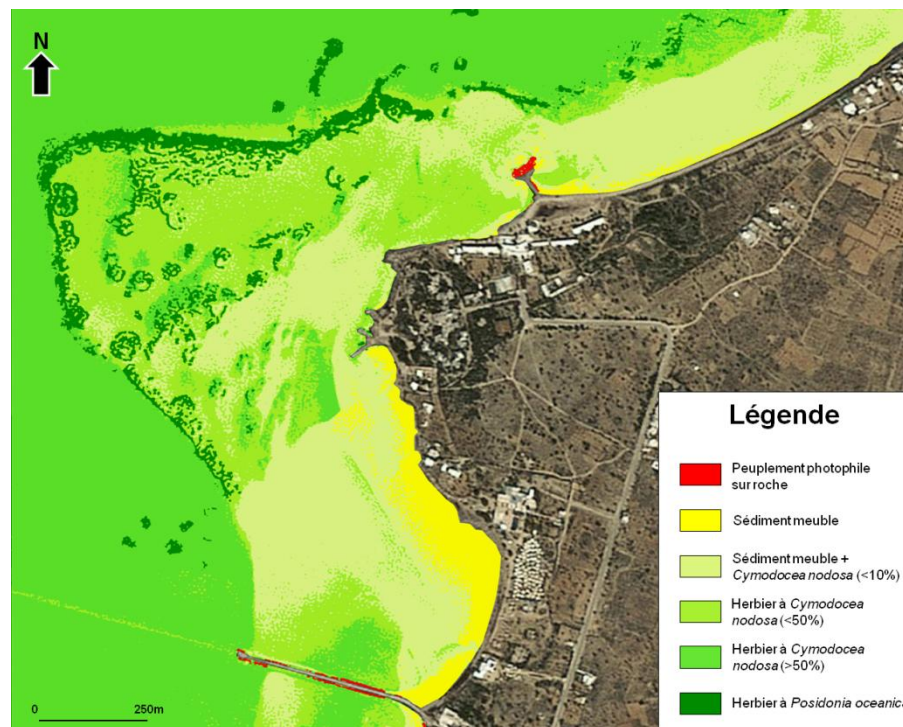
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.KLIB.001

Reference

INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes

Location

Tunisia, between Nabeul and Kelibia

GPS Coordinates : N 36°38'46.60"
E 10°59'40.05"



Date of achievement

Methods

Bibliographic synthesis from the document :
BEN MUSTAPHA K., HATTOUR A., 1992. Les herbiers de posidonies du littoral tunisien. 1. Le golfe de Hammamet. *Notes Inst. Nation. Sci. Techn. Océanogr. Pêche Salammbô*. N°2 : 1-44

Size and accuracy

Copyright

Other

Map

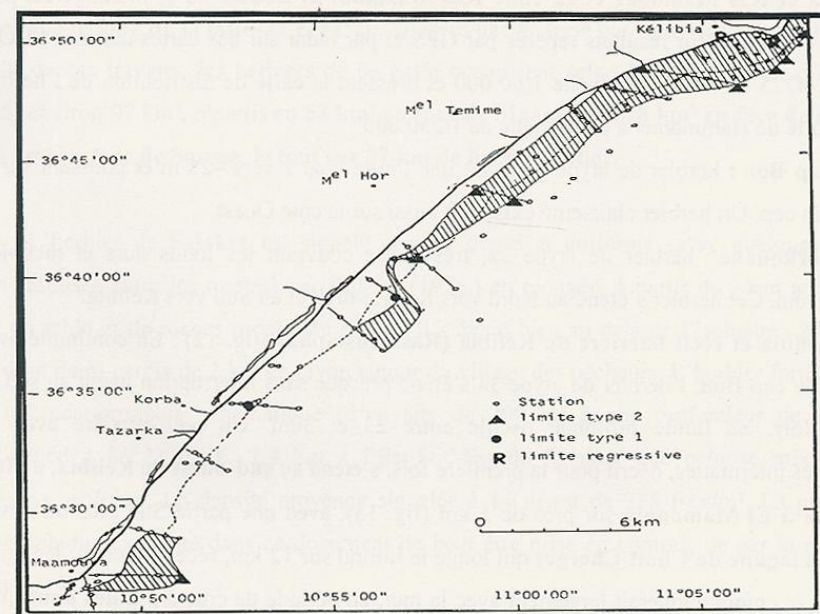


Fig 12 : répartition des herbiers sur le littoral Kelibia – Mansoura et position des différentes limites rencontrées (Ben mustapha et Hattour, 1992)

Sheet Map TU.KORB.001

Reference

SHILI A., 2008. Les peuplements à *Ruppia* (Monocotyledone, Ruppiales) des milieux lagunaires de Tunisie. Thèse Doct. « Biosciences de l'Environnement, Chimie et Santé », Univ. de la Méditerranée, Centre d'Océanologie de Marseille, Aix-Marseille II : 1-305 + annexes

Location

Tunisia, Korba lagoon

GPS Coordinates : N 36°36'32.35"
E 10°53'12.43"



Date of achievement

1996

Methods

Data-field (transects)

Size and accuracy

Copyright

Other

Map

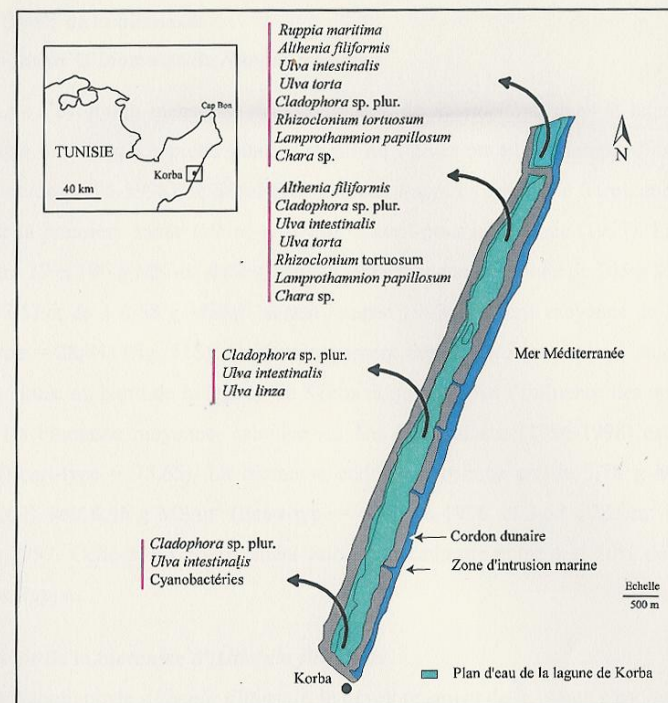


Figure 117 : Répartition des peuplements macrophytobenthiques dans la lagune de Korba (saison printanière 1996).

Sheet Map TU.LACN.001

Reference

Pergent G., Ben Maïz N., 2002. Le lac nord de tunis : exemple de restauration d'une lagune mediterraneenne. « *restauration des ecosystemes cotiers* », drevs I & m. Chaussepied edit., ifremer publ., actes de colloques, 29 : 168-178

Location

Tunisia, lac nord deTunis

GPS Coordinates : N 36°49'13.11"
E 10°15'02.57"



Date of achievement

Methods

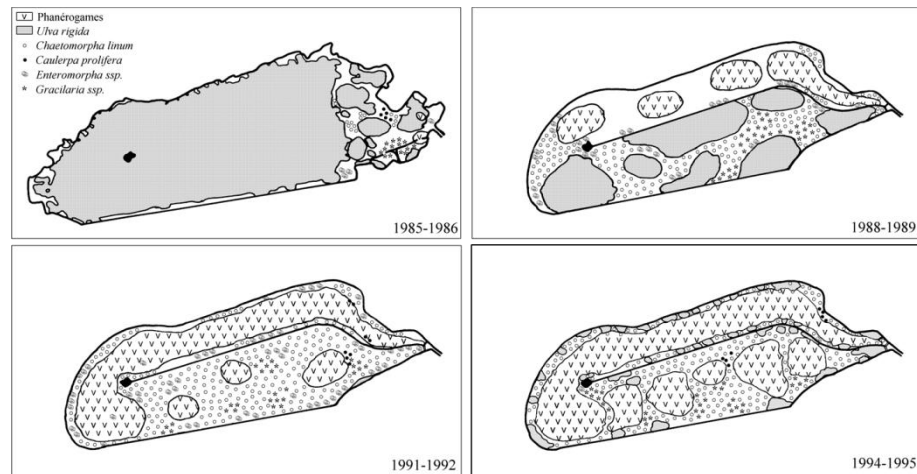
Bibliographic Synthesis

Size and accuracy

Copyright

Other

Map



Sheet Map TU.MONA.001

Reference

EL ASMI-DJELLOULI Z., DJELLOULI A. S., ABDELJAOUED S., 2000.
Présentation des herbiers de la baie de Monastir (Tunisie). Actes du premier symposium méditerranéen sur la végétation marine (Ajaccio, 3-4 octobre 2000).
Mednature 1 : 132-135

Location

Tunisia, Monastir bay

GPS Coordinates : N 35°43'4.70"
E 10°51'49.20"



Date of achievement

Methods

Data-field (scuba diving)

Size and accuracy

Copyright

Other

Map

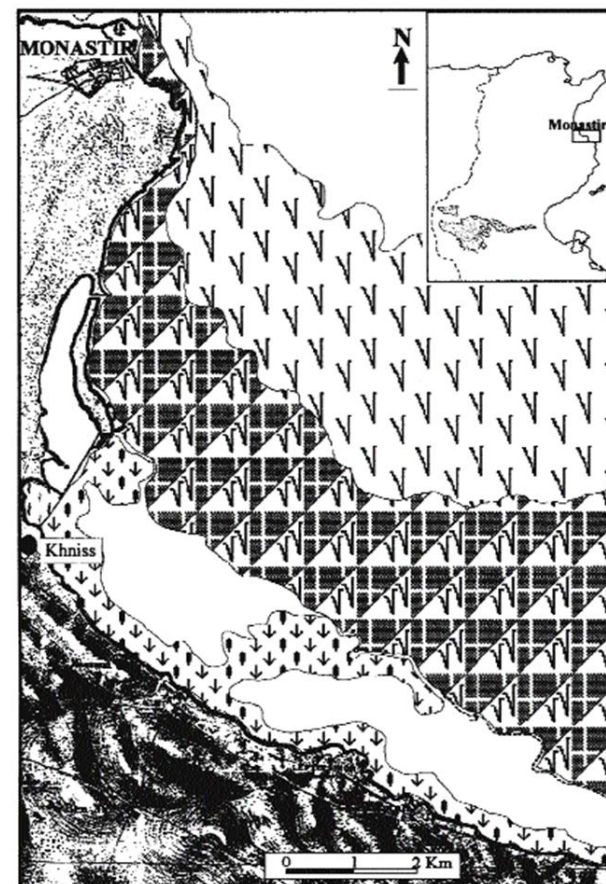


Fig. 1: Localisation de la Baie de Monastir et cartographie des herbiers.

Sheet Map TU.MONA.002

Reference

EL ASMI-DJELLOULI Z., 2004. Effets des herbiers à *Posidonia oceanica* sur la dynamique marine et la sédimentologie littorale dans la Baie de Monastir (Tunisie orientale). Thèse Univ. Tunis El Manar, Fac. Sci. Tun. : 1-185

Location

Tunisia, Monastir region

GPS Coordinates : N 35°42'28.05"
E 10°53'51.84"



Date of achievement

from 1998 to 2001

Methods

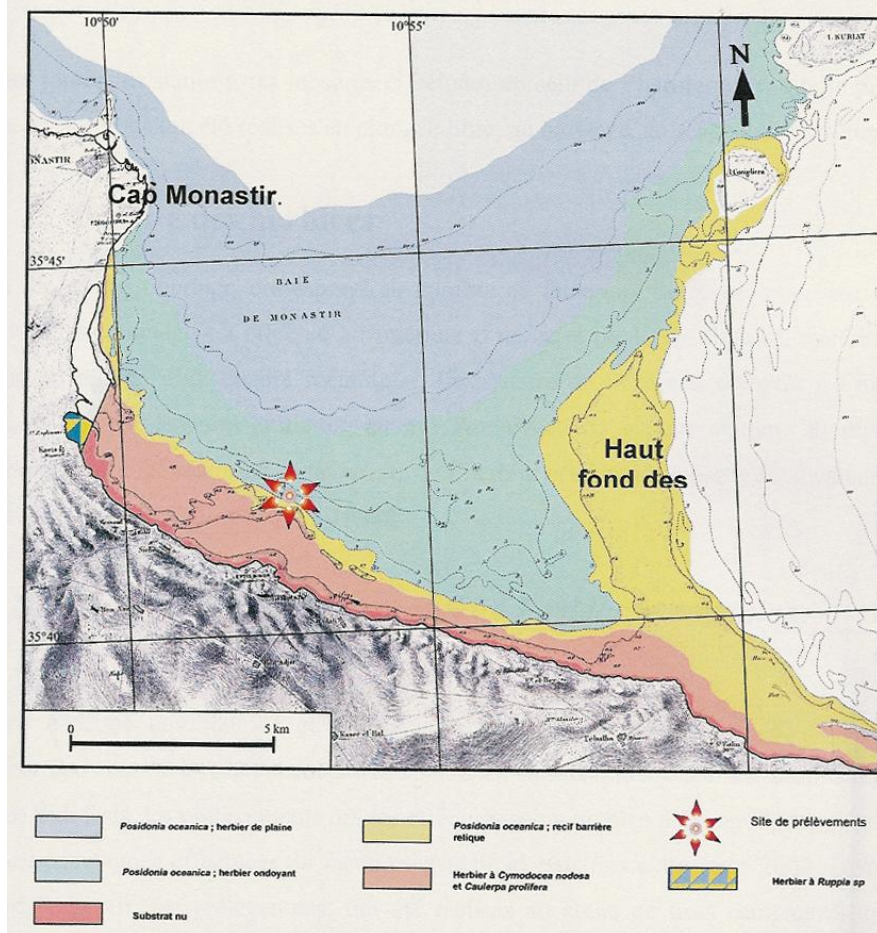
Data-field (scuba diving, punctual prospection)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.MONA.003

Reference

Programme MEDPOSIDONIA. *In press*

Location

Tunisia, Monastir region

GPS Coordinates : N 35°51'53.03"
E 10°37'27.45"



Date of achievement

2008

Methods

Photo interpretation from satellite images

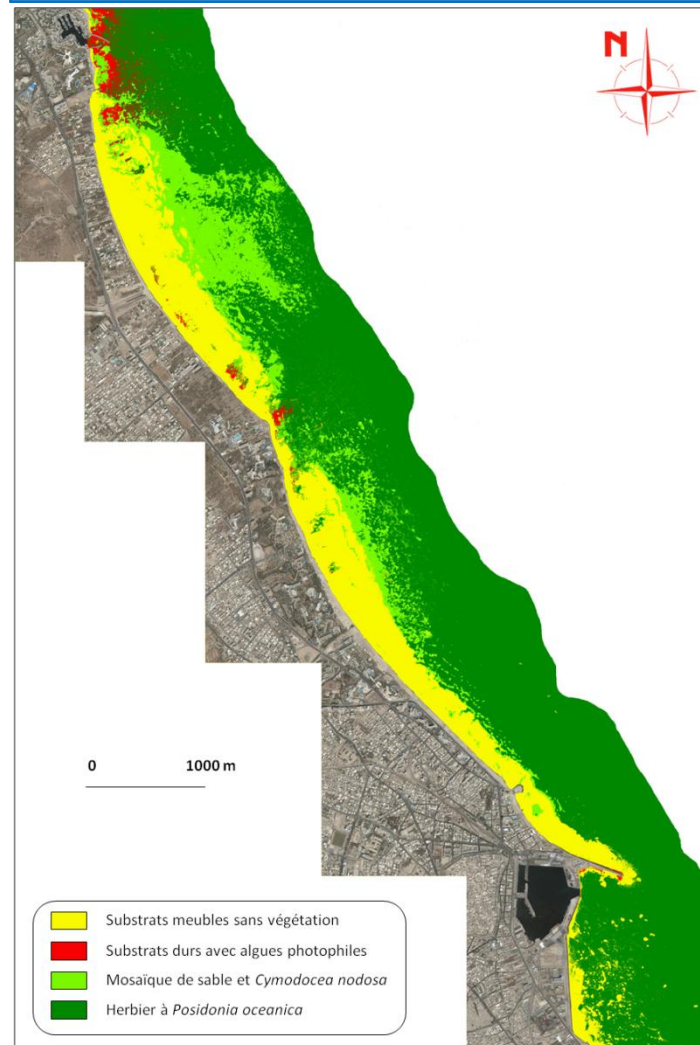
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.MONA.004

Reference

Programme MEDPOSIDONIA. *In press*

Location

Tunisia, Monastir region

GPS Coordinates : N 35°46'53.91"
E 10°43'37.81"



Date of achievement

2008

Methods

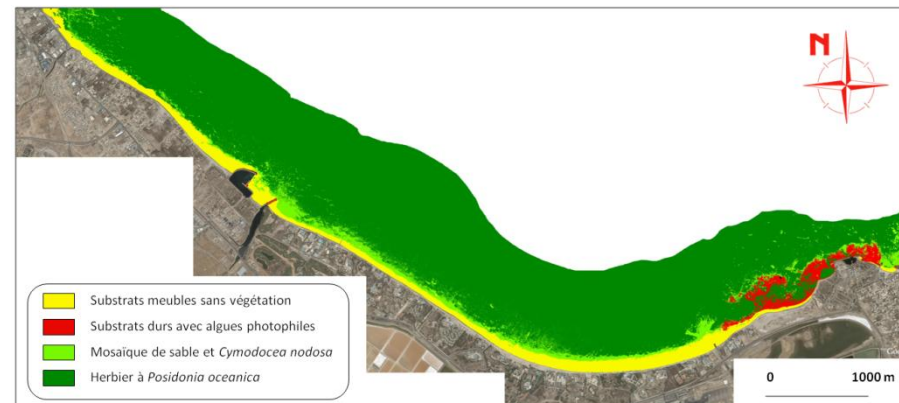
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.MONA.005

Reference

Programme MEDPOSIDONIA. *In press*

Location

Tunisia, de Monastir region

GPS Coordinates : N 35°41'23.41"
E 10°51'30.99"



Date of achievement

2008

Methods

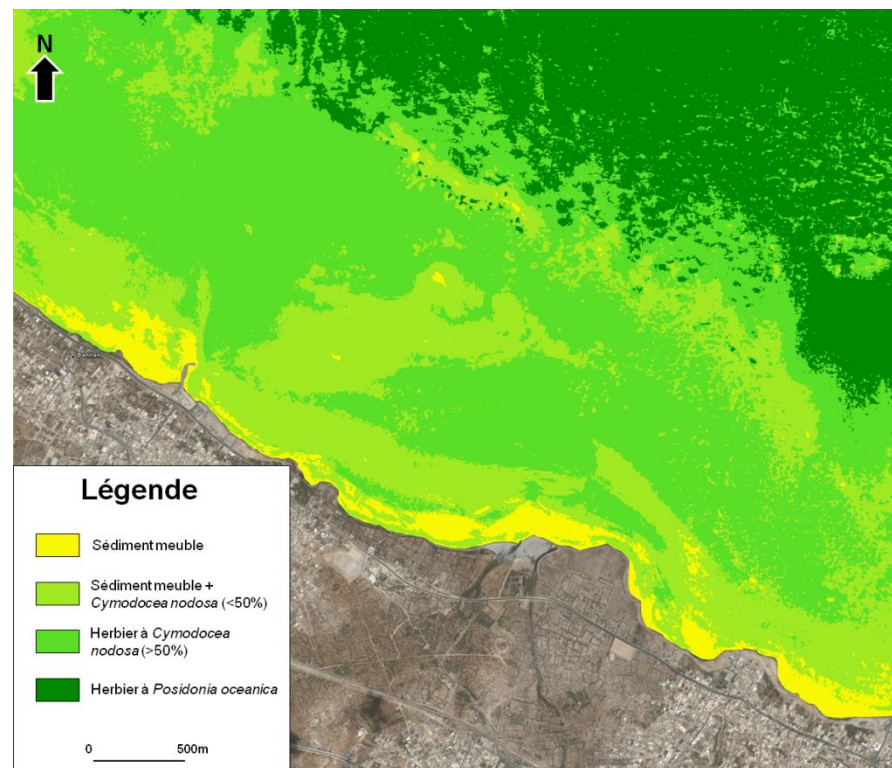
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map TU.PRIN.001

Reference

KSONTINI M., DJELLOULI A.S., LANGAR H., ABDELJAOUED S., 2007. L'herbier à *Posidonia oceanica* de Port-Princes (Cap Bon, Tunisie) : Etude et présentation d'un patrimoine naturel. Actes du 3^{ème} Symposium méditerranéen sur la végétation marine, Marseille, 27-29 Mars 2007, Regional Activity Centre for Specially Protected Areas publ., Tunis : 274-276

Location

Tunisia, gulf Tunis, Cap Bon, Port-Princes region

GPS Coordinates : N 36°52'54.82"
E 10°41'05.48"



Date of achievement

Methods

Photo interpretation from aerial photography
Data-field (transects)

Size and accuracy

Cartography scale 1/20 000
Aerial photography scale 1/10 000

Copyright

Other

Map



Sheet Map TU.RAIS.001

Reference

BEN ALAYA H., 1972. Répartition et conditions d'installation de *Posidonia oceanica* Delile et *Cymodocea nodosa* Ascherson dans le Golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 2 (3) : 331-416

Location

Tunisia, gulf of Tunis, Sidi Raïs bay

GPS Coordinates : N 36°46'17.00"
E 10°32'55.47"



Date of achievement

Methods

Size and accuracy

Copyright

Other

Map

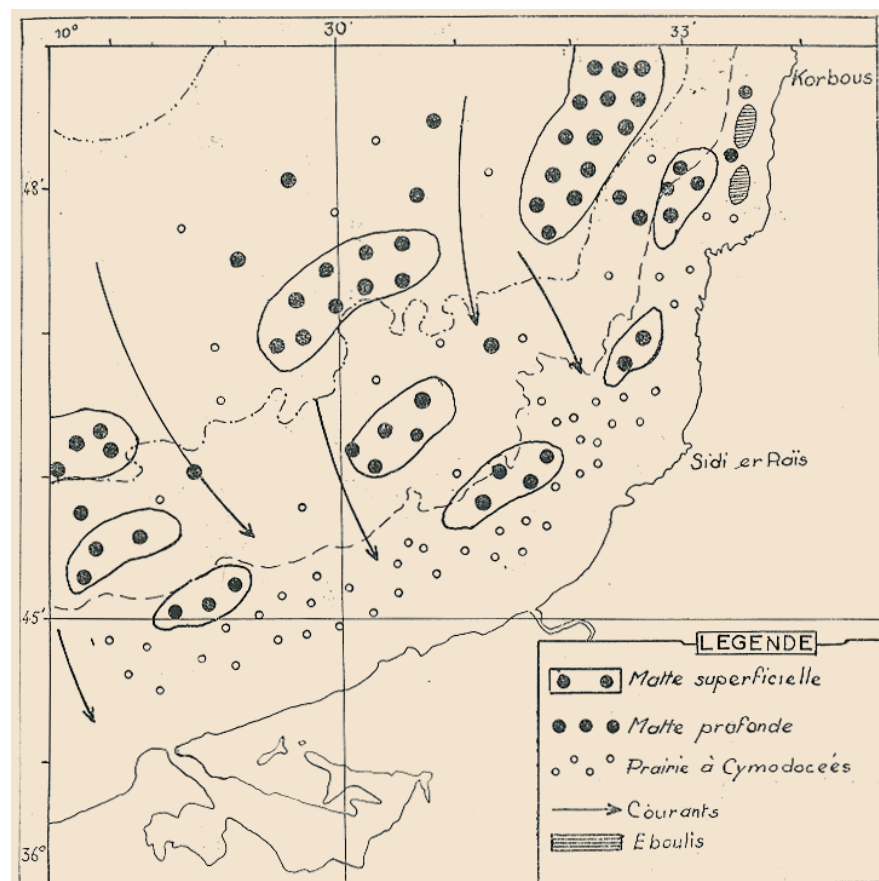


Fig. 8. Disposition des mattes au large de Sidi Errais.

Sheet Map TU.RAIS.002

Reference

EL ASMI S., RAIS C., ROMDHANE M.S., EL HERRY S., 2003. Cartographie du récif-barrière de posidonies de la Baie de Sidi Raïs (côtes Nord-Orientales de la Tunisie). Actes du 2^{ème} Symposium méditerranéen sur la végétation marine, Athènes, 12-13 Décembre 2003, Regional Activity Centre for Specially Protected Areas publ., Tunis : 136-144

Location

Tunisia, gulf of Tunis, Sidi Raïs bay

GPS Coordinates : N 36°46'17.00"
E 10°32'55.47"



Date of achievement

July, August, September 2001

Methods

Data-field (scuba diving and transects)

Size and accuracy

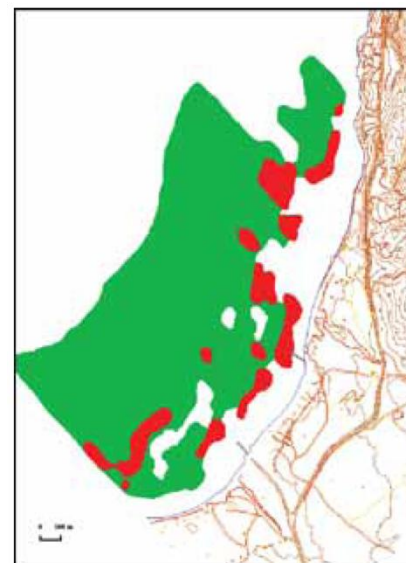
130 ha

Cartography scale 1/5 000

Copyright

Other

Map



- *Herbier de posidonies*
- *Récif-barrière de posidonies*
- *Absence d'herbier de posidonies*

Fig. 3. Localisation du récif-barrière de la région de Sidi Raïs

Sheet Map TU.SALE.001

Reference

BEN CHIEKH ALMI I., 2007. Cartographie et caractérisation d'un herbier à *Posidonia oceanica* de la baie de Sidi Salem (Bizerte-Tunise). Mémoire Master Biologie Intégrative des Ecosystèmes Littoraux, Univ. Tunis El Manar : 1-81 + annexes

Location

Tunisia, Bizerta region, Sidi Salem bay

GPS Coordinates : N 37°17'57.82"
E 9°52'40.51"



Date of achievement

2007

Methods

Photo interpretation from aerial photography and satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat
)

Size and accuracy

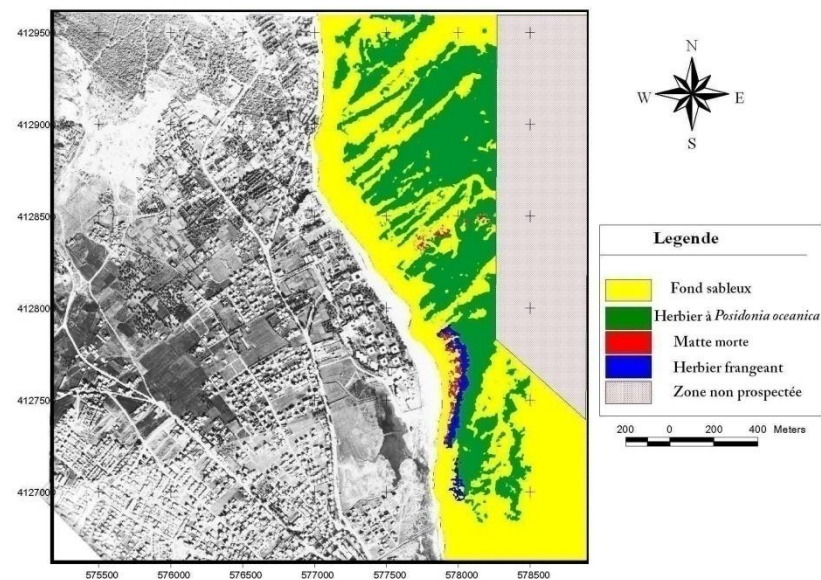
Aerial photography scale 1/10 000
Satellite image Google Earth

Copyright

Other

Map

Annexe III. 2- CARTE DE REPARTITION DES HERBIER A *Posidonia oceanica*
DANS LA BAIE DE SIDI SALEM



Sheet Map TU.TABA.001

Reference

OKIANOS, PERGENT G., 2008. Document non publié

Location

Tunisia, West of Tabarka

GPS Coordinates : N 36°57'54.03"
E 8°42'57.49"



Date of achievement

Methods

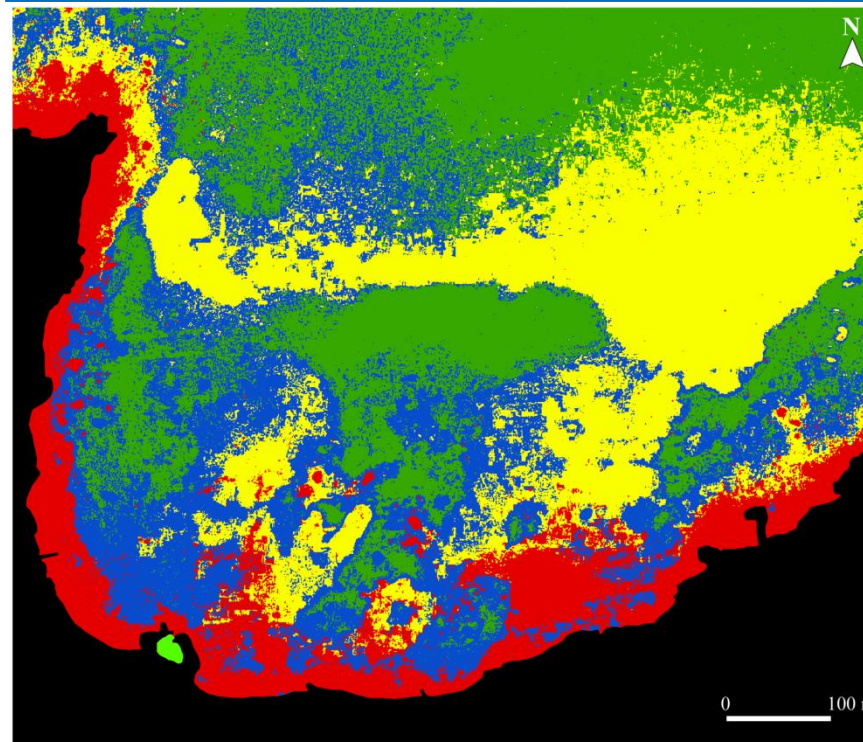
Photo interpretation from satellites imagese
Data-field

Size and accuracy

Copyright

Other

Map



Légende

- | | |
|---------------------------------|-------------------------------------|
| Terre | Herbier à <i>Posidonia oceanica</i> |
| Peuplement photophile sur roche | Mosaïque |
| Substrat meuble | Herbier à <i>Cymodocea nodosa</i> |

Sheet Map TU.TUNI.001

Reference

BEN ALAYA H., 1969. Mise en place des herbiers à Phanérogames marines et des peuplements algaux dans le golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 1 (3) : 113-122

Location

Tunisia, Gulf of Tunis

GPS Coordinates : N 36°57'39.33"
E 10°28'3.94"



Date of achievement

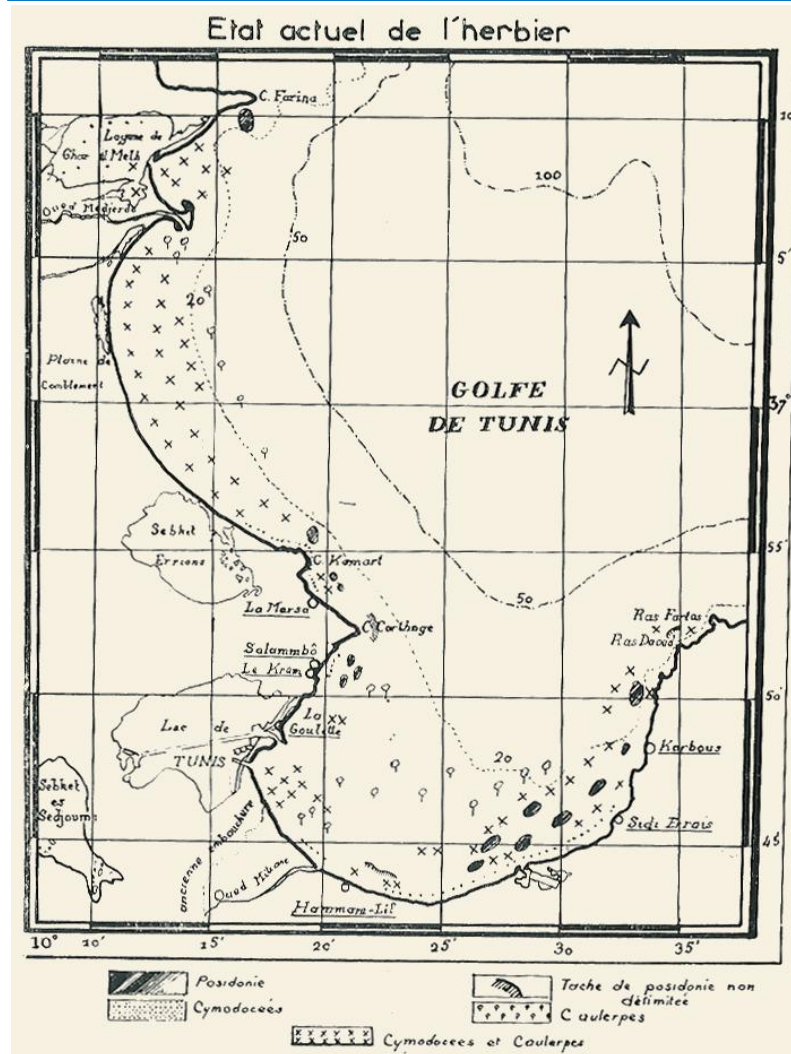
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map TU.TUNI.002

Reference

BEN ALAYA H., 1972. Répartition et conditions d'installation de *Posidonia oceanica* Delile et *Cymodocea nodosa* Ascherson dans le Golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 2 (3) : 331-416

Location

Tunisia, Gulf of Tunis

GPS Coordinates : N 36°57'39.33"
E 10°28'3.94"



Date of achievement

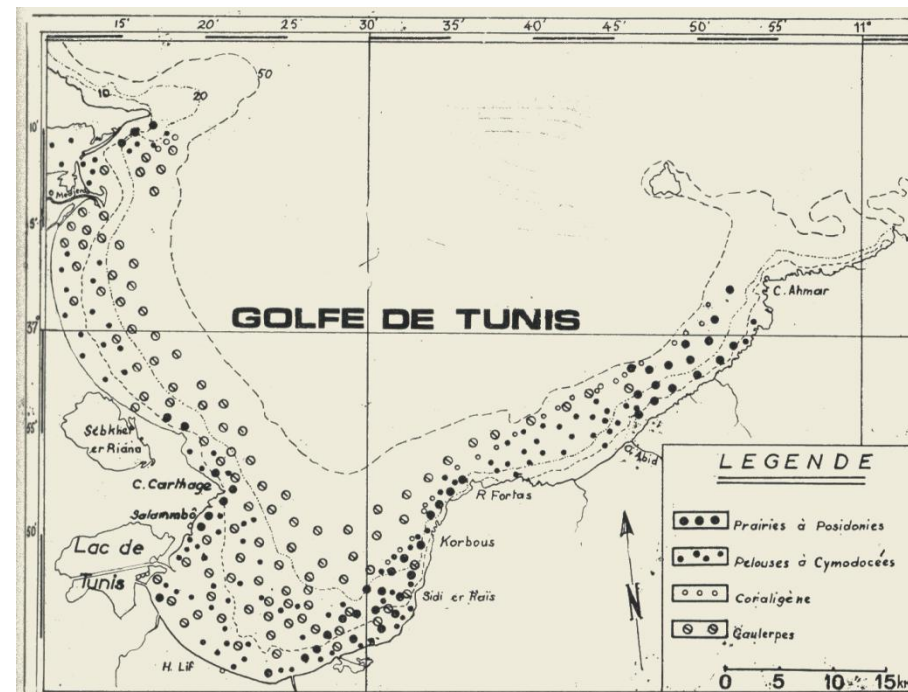
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map TU.ZEMB.001

Reference

BOUDOURESQUE C-F., HARMELIN J-G., JEUDY DE GRISSAC A., 1986. Le benthos marin de l'île de Zembra (Parc National, Tunisie). GIS Posidonie publ., Marseille, Fr. : 1-177 + annexes

Location

Tunisia, Cap Bon, South of Zembra island

GPS Coordinates : N 37° 7'6.52"
E 10°48'29.46"



Date of achievement

Methods

Size and accuracy

Copyright

Other

Map

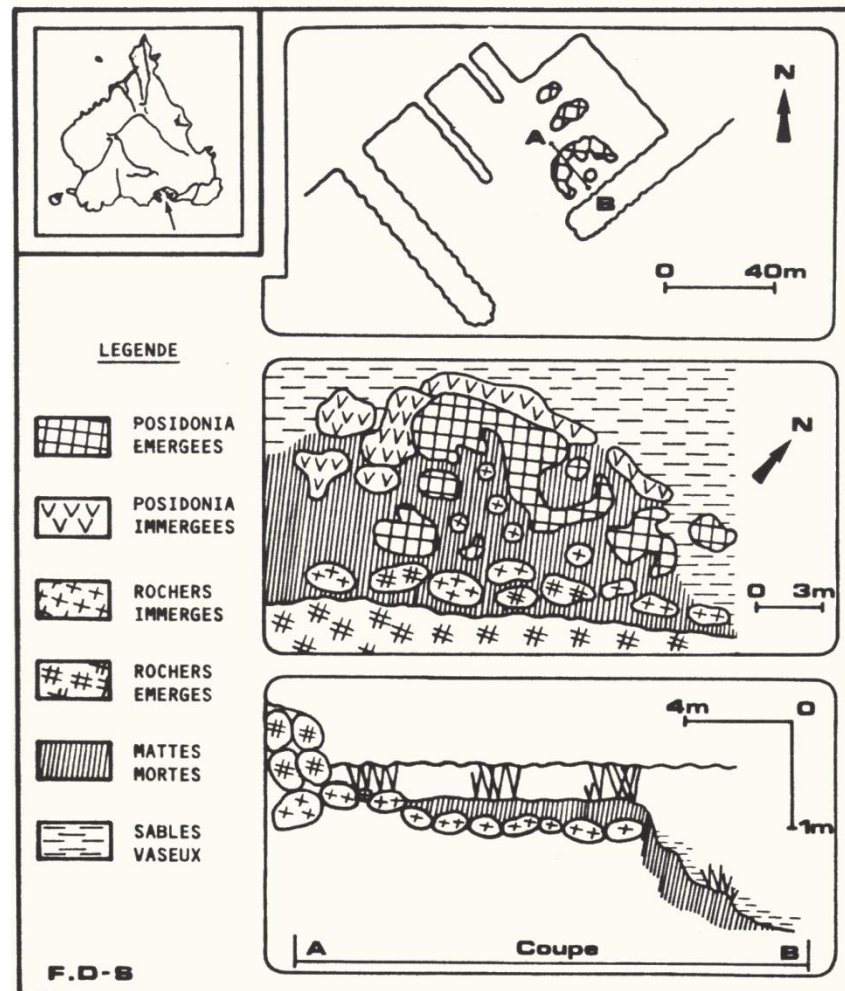


Fig. 11 : Station 1, le port. Plan général (en haut); détail de la zone d'émersion de *Posidonia oceanica* (au milieu); coupe AB (en bas).

Sheet Map TU.ZEMB.002

Reference

ORUETA J., LIMAMA A., 2003. Projet régional pour le Développement des Aires Protégées Marines et Cotières dans la région Méditerranéenne (Projet MedMPA). Plan de gestion de la partie marine du parc national de Zembra et Zembretta. Projet MedMPA Union Européenne – CAR/ASP : 1-70

Location

Tunisia, Cap Bon, South of Zembra island

GPS Coordinates : N 37°08'01.43"
E 10°47'35.21"



Date of achievement

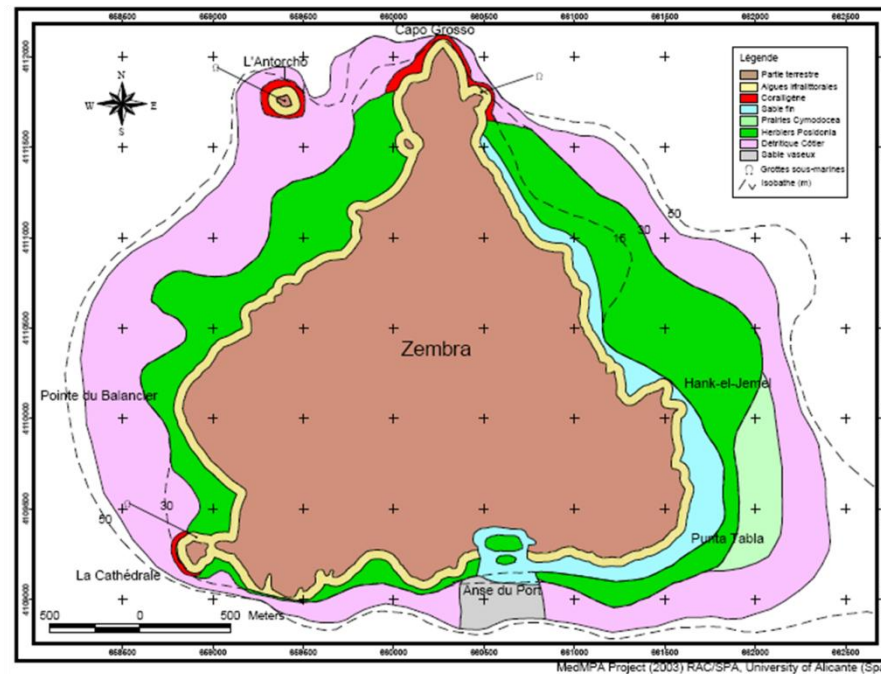
Methods

Size and accuracy

Copyright

Other

Map



Turkey

REFERENCE	Map Code	GIS
KABOGLU G., SAVAS Y., 2006. Foça marine protected area. Neptune's Seagrass <i>Posidonia oceanica</i> . Foça Municipality	TR.FOCA.001	✓
MINISTRY OF ENVIRONMENT AND FORESTRY, 2008	TR.GOCE.001	✓
PERGENT G., PERGENT C., 1985. Cartographie de l'herbier à <i>Posidonia oceanica</i> de la baie d'Urla-Iskele (Turquie). Rapp. P.V. Réun. Commiss. internation. Explor. sci. Médit., 29(6) : 231-234	TR.URLA.001	✗
Programme MEDPOSIDONIA. <i>In press</i>	TR.SIPA.001 TR.YILD.001	✓ ✓

✓ : Vectorized map in the GIS

✗ : Map with short cut in the GIS

Sheet Map TR.FOCA.001

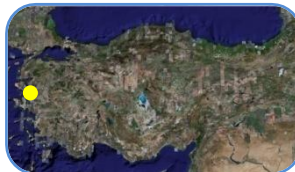
Reference

KABOGLU G., SAVAS Y., 2006. Foça marine protected area. Neptune's Seagrass *Posidonia oceanica*. Foça Municipality

Location

Turkey, Izmir, Foça

GPS Coordinates : N 38°41'35.11"
E 26°43'35.56"



Date of achievement

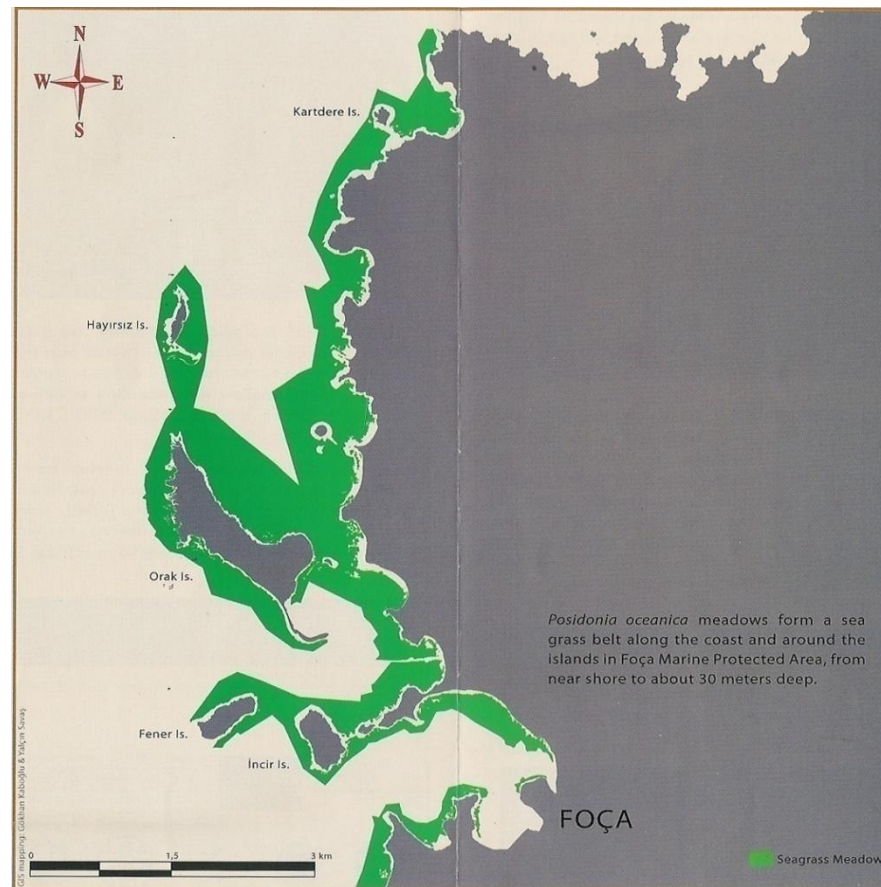
Methods

Size and accuracy

Copyright

Other

Map



Sheet Map TR.GOCE.001

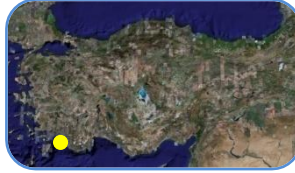
Reference

MINISTRY OF ENVIRONMENT AND FORESTRY, 2008

Location

Turquie, Fethiye, Gocek

GPS Coordinates : N 36°44'48.58"
E 28°56'13.30"



Date of achievement

Methods

Size and accuracy

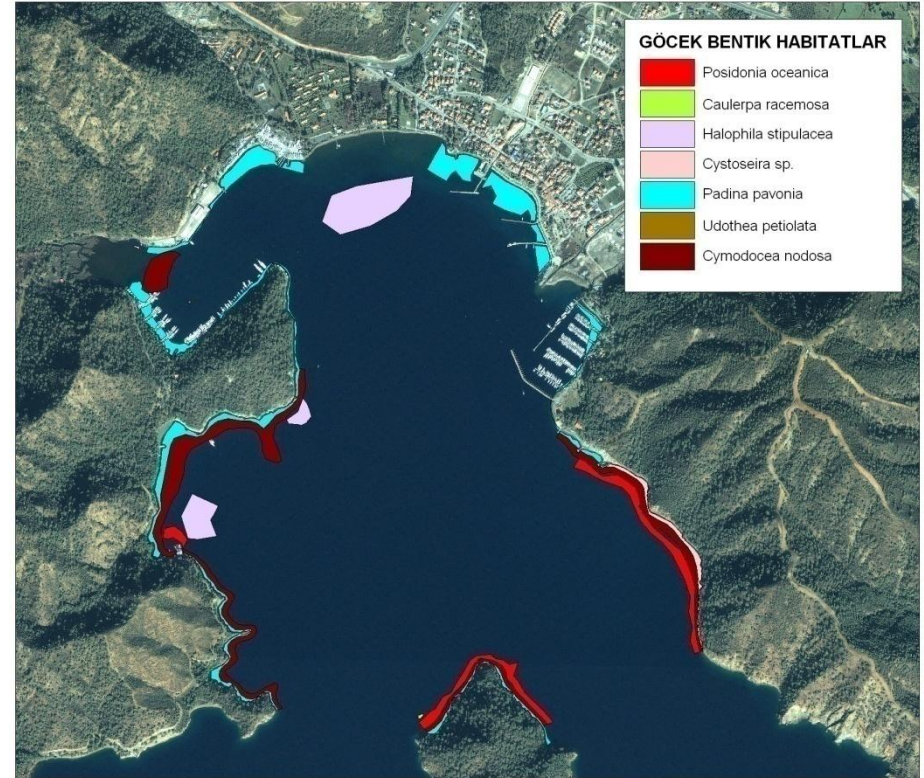
Copyright

GIS layer communicate by: Ministry of Environment and Forestry

Other

All digital maps are the output of the Project "Defining the biodiversity and habitats of the Gocek Bay" in cooperation with Agency for Specially Protected Areas, Canakkale University Fisheries Department and Dokuz Eylul University-Marine Science and Technology Institute

Map



Sheet Map TR.SIPA.001

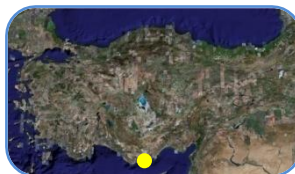
Reference

Programme MEDPOSIDONIA. *In press*

Location

Turkey, Mersin, Aydıncık, West of Sipahili

GPS Coordinates : N 36° 9'15.70"
E 33°26'35.38"



Date of achievement

2008

Methods

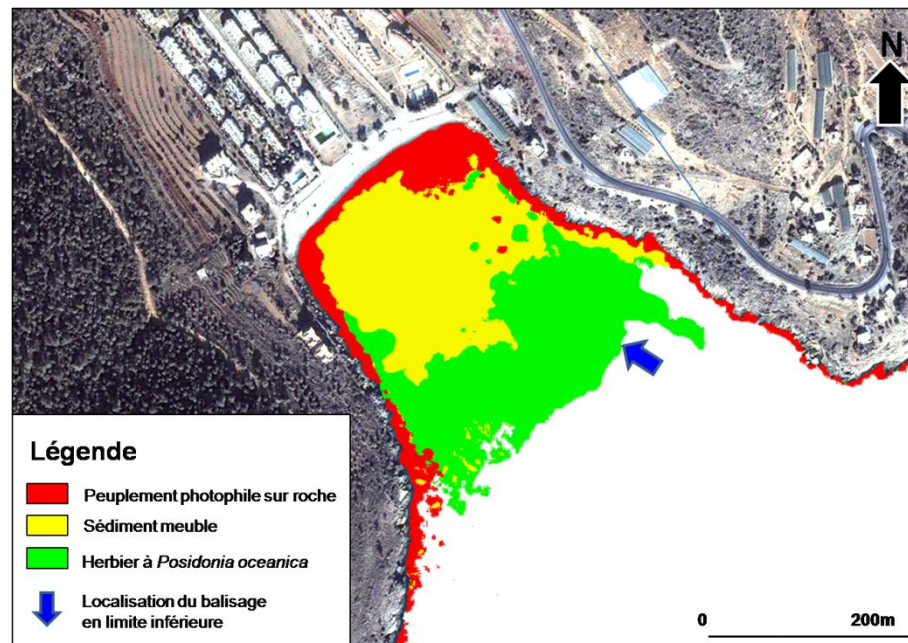
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Sheet Map TR.URLA.001

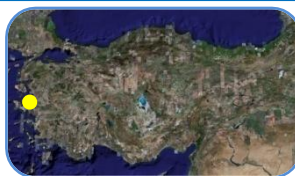
Reference

PERGENT G., PERGENT C., 1985. Cartographie de l'herbier à *Posidonia oceanica* de la baie d'Urla-Iskele (Turquie). Rapp. P.V. Réun. Commiss. internation. Explor. sci. Médit., 29(6) : 231-234

Location

Turkey, Gulf of Izmir, Urla-Iskele bay

GPS Coordinates : N 38°21'58.50"
E 26°46'5.59"



Date of achievement

Methods

Data-field (scuba diving and transects)

Size and accuracy

0.2 km²

Copyright

Other

Map

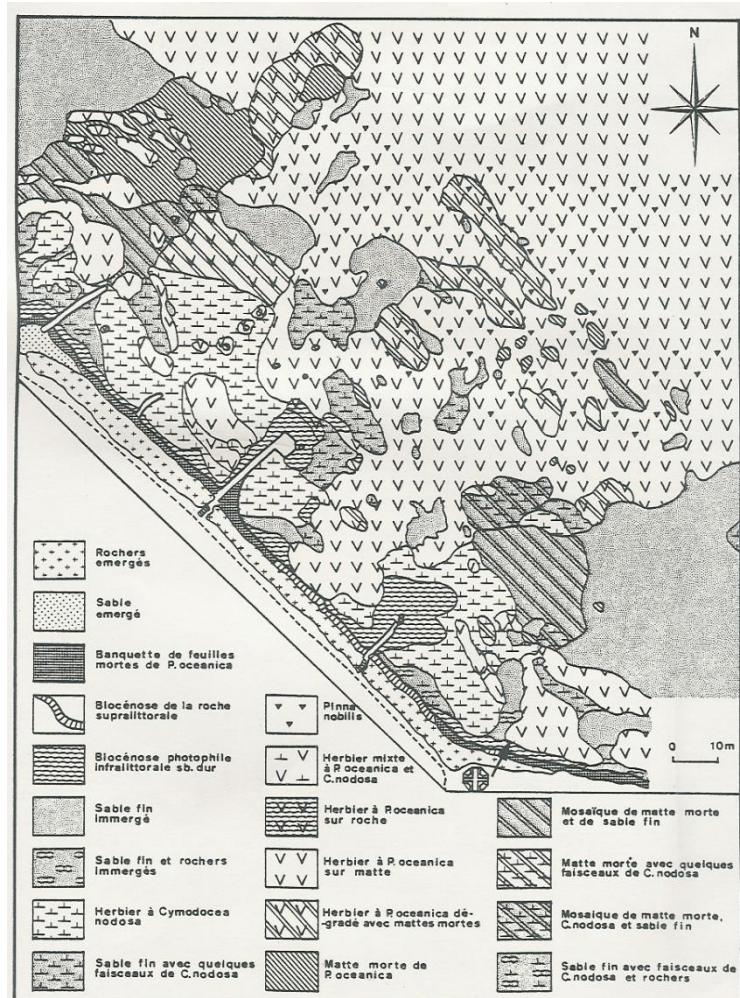


Fig. 2 : Carte des peuplements benthiques de la baie d'Urla-Iskele. La flèche indique une sortie d'émissaire.

Sheet Map TR.YILD.001

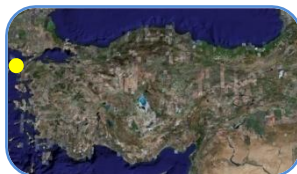
Reference

Programme MEDPOSIDONIA. *In press*

Location

Turkey, Gökceada island, baie de Yildizkoy bay

GPS Coordinates : N 40°14'9.26"
E 25°54'14.23"



Date of achievement

2008

Methods

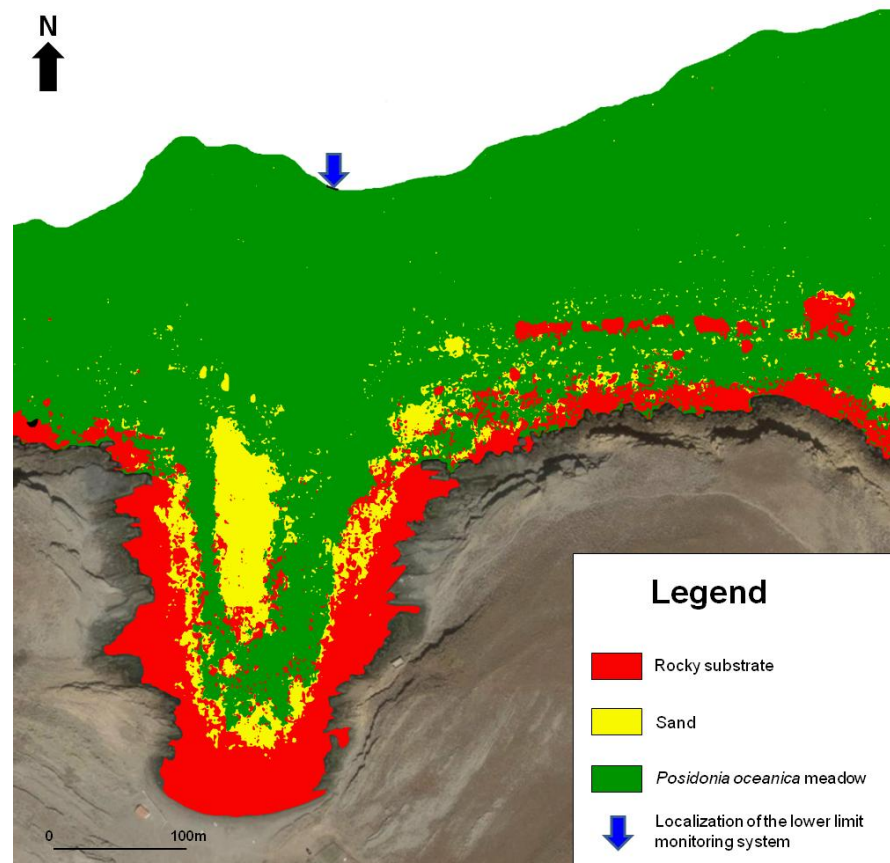
Photo interpretation from satellite images
Data-field (scuba diving and observations from the surface through a bucket of Calfat)

Size and accuracy

Copyright

Other

Map



Discussion and Conclusion

Among the 300 documents integrated in the GIS, over half appear as geo-referenced polygons (Table III).

Table III: Summary of the cartographic documents inserted in polygonal form in the GIS.

Country (nb. maps)	Site	Date of study	Coastline (km.) ¹	Mapped coastline
Albania (1)	Sarandë Bay	Published in 2007	418	0 - 20%
Algeria (5)	Algiers Bay, Bou Ismail and Zemmouri	Published in 2006	1200	0 - 20%
	El Kala (Ouset Melah)	Carried out in 1990		
	Kouali Cove	Published in 2006		
Cyprus (4)	Scala Region	Carried out between 2006 and 2007	782	0 - 20%
	Akamas Peninsula	Published in 2004		
	Cap Greco	Published in 2004		
	Moulia Rocks	Published in 2004		
Croatia (1)	National summary	Published in 2004	5835	80 - 100%
France (46)	National summary	Published in 2008	1703	80 - 100%
	Banyuls-sur-Mer Cerbère	Carried out in 1985 and 1997		
	RSP PACA2	Carried out between 1999 et 2002		
	Etang de Berre	Published in 1990		
	Riou Archipelago	Published in 2000		
	La Ciotat	Published in 1994		
	Giens Gulf	Published in 1995		
	Porquerolles Island	Carried out in 1995		
	Port-Cros National Park	Carried out in 1999		
	Levant Island	Carried out in 1994		
	Bormes-les-Mimosas	Carried out in 1995		
	Corsican coast	Carried out between 1994 et 1996		
	RSP Corsica3	Carried out between 2004 and 2008		
	Etang de Biguglia	Carried out in 1999 and 2000		
	RNBB4 (Corsica)	Published between 2001and 2004		
	Tizzano Bay (Corsica)	Carried out in 1997		
Sagone Bay	Carried out in 2007			
Solenzara	Published in 2008			

1. From PLAN BLEU, 2005
2. Posidonia Monitoring Network of the Provence-Alpes-Côte d'Azur Region
3. Posidonia Monitoring Network of the Corsican coastline
4. Bouches de Bonifacio Nature Reserve

Pays (nb Maps)	Sites	Date de l'étude	Linéaire côtier (km) ¹	Linéaire côtier cartographié
Greece (73)	National summary	Published in 2001	15021	20 - 40%
	Koukounaries Gulf	Published in 2000		
	Paleochori Bay	Published in 1998		
	Thermaikos Gulf	Carried out in 1985		
	Laganas Bay	Carried out in 2003		
Italy (1)	National summary	Published in 2007	7375	60 - 80%
Libya (6)	Farwa Lagoon	Carried out in 2000	1770	0 - 20%
	Tripoli coast	Carried out in 2008		
	Ain Al Ghazala Lagoon	Carried out in 2006		
Malta (1)	National summary	Published in 2002	180	80 - 100%
Monaco (1)	National summary	Published in 2002	4	80 - 100%
Slovenia (4)	National summary	Published in 2008	47	80 - 100%
	Koper Region	Published in 2006		
Spain (2)	National summary	Published in 2008	2580	60 - 80%
	Lagune Mar Menor	Published in 1989		
Tunisia (20)	Sidi Salem	Carried out in 2007	1298	40 - 60%
	Lake Ichkeul	Carried out in 1998		
	Sidi Ali El Mekki	Carried out in 2008		
	Ghar El Melh Lagoon	Carried out in 2000		
	Carthage	Published in 2007		
	Tunis North Lake	Published in 2002		
	Sidi Rais	Carried out in 2001		
	Port Princes	Published in 2007		
	Kelibia Lagoon	Carried out in 2001		
	From Sousse to Monastir	Carried out between 1998 and 2008		
	Zembra Island	Published in 2003		
	Kerkennah Islands	Carried out in 2008		
	Gabès Gulf	Published in 1988		
Tunisia (suite)	Bou Grara Lagoon	Published in 1971	1298	40-60%
	El Biban Lagoon	Published in 2005		
	Tabarka Region	Carried out in 2008		
	Korba Lagoon	Carried out in 1996		
Turkey (4)	Göcek	Published in 2008	5191	0 - 20%
	Gökceada Island	Carried out in 2008		
	Foça Region	Published in 2006		
	Sipahili Region	Carried out in 2008		

1. From PLAN BLEU, 2005

These, for any given area, are the most recent and/or precise documents. An assessment of the mapped coastline reveals great disparities between the northern shore (Croatia, France, Greece, Italy, Malta and Monaco and Spain), for which there are many cartographic documents, and the southern and eastern shore of the Mediterranean basin, where the data is sparser (Figure 7).

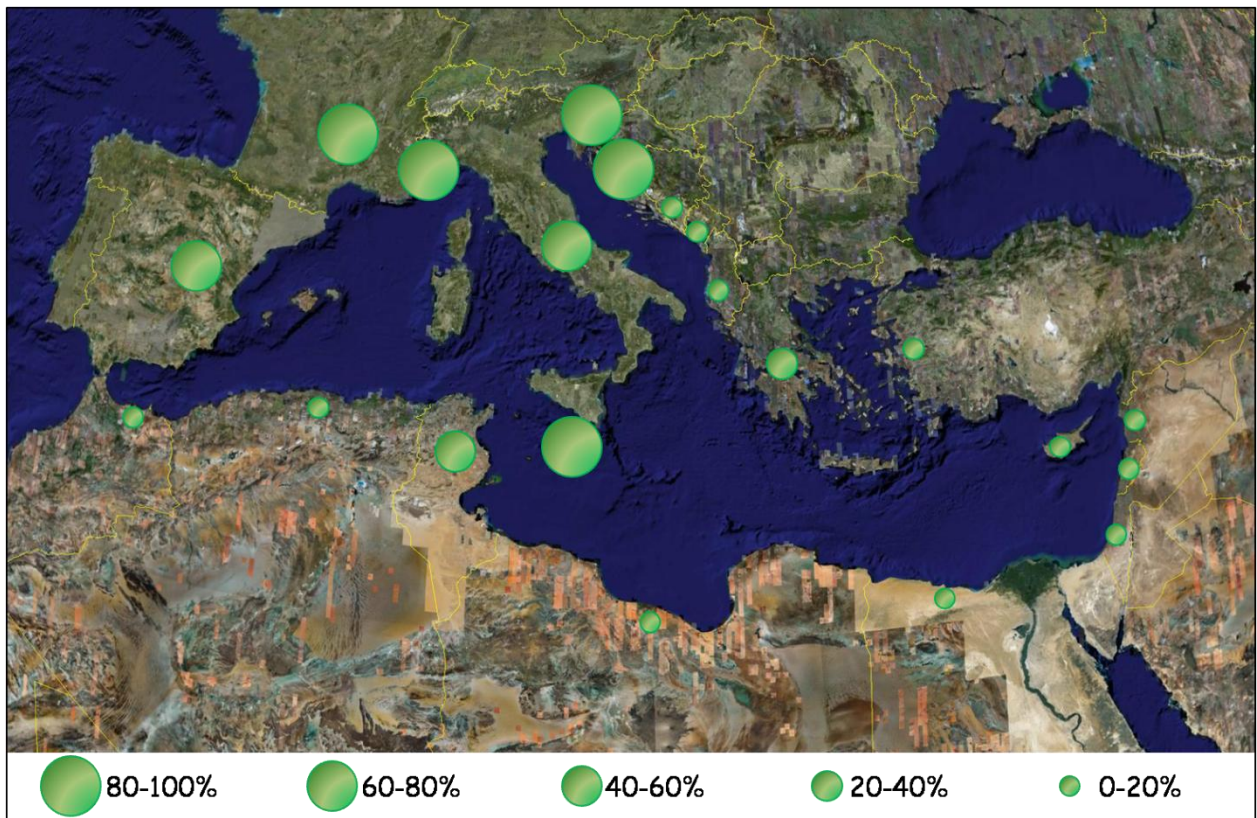


Figure 7: State of knowledge on the distribution of cartographic documents on marine magnoliophytes in the Mediterranean

On the other hand, for the countries as a whole the documents are relatively recent (usually later than 2000), which is a sign that the various actors in the field (managers, authorities, scientists, etc.) are becoming increasingly aware. Thus, for several years now, many initiatives set up at national (Posidonia Monitoring Networks, protection measures, acquisition of knowledge) and international (Action Plan for the Conservation of Marine Vegetation in the Mediterranean Sea, MedPosidonia programme, Natura 2000) level have enabled a large amount of data to be gathered. The case of Tunisia is particularly edifying with much having been done in the field (FEM Programme for the Gulf of Gabès, decentralised cooperation, MedPosidonia Programme, research institutes). Similarly, the big Mediterranean islands (Balearics, Corsica, Crete, Malta, Sardinia, Sicily) have done many studies that have permitted them to possess generally exhaustive maps of their coasts.

Also, the programmes set up at regional level (MedMPA, MedPosidonia, SAP BIO) on the initiative of the Barcelona Convention (UNEP-MAP-RAC/SPA) enable skills to be federated and standardised approaches to be used that are likely to enhance knowledge in the regions that require a particular effort. Enhancing and enlarging these initiatives will be likely to provide an equivalent state of knowledge for the Mediterranean as a whole.

In order to possess the most exhaustive summary possible and to facilitate access to this for all politicians, managers and scientists, **a special effort must be made to form a geo-referenced, regularly updated, database.**

Bibliography

- ALIANI S., BIANCHI C. N., COCITO S., DANDO. P. R., MELONI R., MORRI C., NIEMEYER A., PEIRANO A., ZIEBIS W., 1998. A map of seagrass meadows in Palaeochori Bay (Milos Island, Greece), a marine area with hydrothermal activity. Rapp. Comm. int. Mer. Médit., 35 : 512-513
- ANDERSON E., ROLE A., SCHEMBRI P., 1992. Coastal zone surveys of the Maltese islands : Onshore and offshore. In "The ocean change : Management patterns and the environment" J.L. Suarez de Vivero Edit., IUG Commission on Marine Geography publ. : 139-152
- ARDIZZONE G.D., 1992. Cartografia bentonica con sistemi video controllati a distanza. Oebalia, Suppl., XVII : 441-452
- ARDIZZONE G.D., BELLUSCIO A., 1992. Cartografia delle praterie di *Posidonia oceanica* lungo le coste laziali. Oebalia, Suppl., XVII : 539-541
- ARDIZZONE G.D., PELUSI P., 1983. Regression of a Tyrrhenian *Posidonia oceanica* prairie. Rapp. P.V. Réunion. Commiss. internation. Explor. sci. Médit., 28 (3) : 175-177
- BALLESTA L., 1997. Contribution à la caractérisation des biocénoses benthiques de la côte des Albères. Mémoire de Diplôme d'Etudes Supérieures Spécialisées « Ecosystèmes Méditerranéens », Université de Corse, Fr. : 1-40 + annexes
- BAROLI M., DE FALCO G., ANTONINI C., COPPA S., FACHERIS C., 2006. Distribution and population structure of sea urchin *Paracentrotus lividus* in the Penisola del Sinis - Isola di Mal di Ventre Marine Protected Area (Western Sardinia) finalised to fishery management. Biol. Mar. Medit., 13(1) : 326-333
- BELLONE E., MEINESZ A., 1995. Cartographie sous-marine du Parc National de Port-Cros (Var, France). I.- Elément de cartographie de l'herbier de *Posidonia oceanica* de la baie de Port-Man. Sci. Rep. Port-Cros natl. Park, 16 : 123-128
- BELSHER T., HOULGATTE E., BOUDOURESQUE C.F., 2005. Cartographie de la prairie à *Posidonia oceanica* et des principaux faciès sédimentaires marins du Parc national de Port-Cros (Var, France, Méditerranée). Sci. Rep. Port-Cros natl. Park, Fr., 21 : 19-28
- BELSHER T., MEINESZ A., LEFEVRE J.R., BOUDOURESQUE C.F., 1988. Simulation of Spot satellite imagery for charting shallow water benthic communities in the Mediterranean. Marine Ecology, Germ., 9(2) : 157-165
- BEN ALAYA H., 1969. Mise en place des herbiers à Phanérogames marines et des peuplements algaux dans le golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 1 (3) : 113-122
- BEN ALAYA H., 1972. Répartition et conditions d'installation de *Posidonia oceanica* Delile et *Cymodocea nodosa* Ascherson dans le Golfe de Tunis. Bull. Inst. Océanogr. Pêche Salammbô, 2 (3) : 331-416
- BEN CHIEKH ALMI I., 2007. Cartographie et caractérisation d'un herbier à *Posidonia oceanica* de la baie de Sidi Salem (Bizerte-Tunise). Mémoire Master Biologie Intégrative des Ecosystèmes Littoraux, Univ. Tunis El Manar : 1-81 + annexes
- BEN MUSTAPHA K., HATTOUR A., BEN ABDALLAH S., CHAOUCH M., TURKI B., 1993. Environnement marin du golfe de Gabes, la régression du couvert végétal. Observatoire de la Mer, IRSIR-INSTOP : 1-24
- BEN OTHMAN S., 1971. Observations hydrologiques, dragages et chalutages dans le Sud-Est tunisien. Bull. Inst. Océanogr. Pêche Salammbô, 2 (2) : 103-120
- BENEDITO V., TORRES J., GINER I.M., ESTEBAN J.L., CAPACCIONI R., GARCIA-CARRASCOSA A.M., 1990. Distribution and preliminary evaluation of the state of the *Posidonia oceanica* on the coasts of the gulf of Valencia (Spain, Western Mediterranean). Coast. Rapp. Comm. int. Mer. Médit., 32(1) : 8
- BESSIBES M., 2007. Contribution à l'étude des peuplements macrophytobenthiques de l'infralittoral supérieur de la petite baie de Carthage (Golfe de Tunis). Mémoire Mastère « Biodiversité et Ressources Aquatiques », Univ. Sfax : 1-76
- BIANCHI C.N., CINELLI F., MORRI C., 1993. Carta bionomica dei mari toscani. Centro Ricerche Ambiente Marino et Regione toscana
- BORG J.A., SCHEMBRI P.J., 1993. Changes in marine benthic community types in a Maltese bay following beach rehabilitation works. In " Proceedings of the "Clean Seas 93" : 1-5
- BOUDOURESQUE C-F., HARMELIN J-G., JEUDY DE GRISSAC A., 1986. Le benthos marin de l'île de Zembra (Parc National, Tunisie). GIS Posidonie publ., Marseille, Fr. : 1-177 + annexes
- BOUDOURESQUE C.F., MEINESZ A., LEFEVRE J.R., 1984. Etude et cartographie du récif de Posidonies de Saint-Florent (Haute Corse). Rapp. Contrat D.R.A.E. Ajaccio, Univ. Aix-Marseille II - Univ. Nice, Fr. : 1-27
- BOUMAZA S., 1995. Phénologie, biomasse, lépidochronologie et production primaire de l'herbier à *Posidonia oceanica* (L.) Delile de l'anse de Kouâli, Tipasa (Algérie) Thèse Doct. « Ecologie marine », Institut des sciences de la mer et de l'aménagement du littoral : 1-125

CALVO S., FRADA ORESTANO C., 1984. L'herbier à *Posidonia oceanica* des côtes siciliennes : les formations récifales du Stagnone. International Workshop *Posidonia oceanica* Beds, Boudouresque C.F., Jeudy de Grissac A. et Olivier J. edit., GIS Posidonie publ., Fr., 1 : 29-37

CALVOS S., FRADA ORESTANO C., ABBADESSA P., 1993. The suitability of a topographical instrument for an integrated approach to the cartography of *Posidonia oceanica* meadows. *Oceanologica acta*, 16(3) : 273-278

CANCEMI G., BAROLI M., DE FALCO G., AGOSTINI S., PIERGALLINI G., GUALA I., 2000. Cartografia integrata delle praterie marine superficiali come indicatore dell'impatto antropico sulla fascia costiera. *Biol. Mar. Medit.*, 7(1) : 509-516

CANCEMI G., PASQUALINI V., PIERGALLINI G., BAROLI M., DE FALCO G., PERGENT-MARTINI C., 1997. Indagine cartografica sulla prateria a *Posidonia oceanica* (L.) Delile di Capo S. Marco (Golfo di Oristano), mediante elaborazione di immagini fotoaeree. *Biologia Marina Mediterranea*, 4(1) : 472-474

CAR/ASP, 2004. Regional Project for the Development of Marine and Coastal Protected Areas in the Mediterranean Region (MedMPA). Final Report (Activity PP1) : Identification of sites of conservation interest to elaborate a national management plan for the development of Marine Protected Areas in Cyprus. MedMPA Project, CAR/ASP-UE

CHARBONNEL E., BOUDOURESQUE C.F., MEINESZ A., CADIOU G., BONHOMME P., BERNARD G., COTTALORDA J.M., PATRONE J., KRUCZEK R., BERTRANDY M.C., FORET P., BRICOUT P., MARRO C., LE DIREAC'H L., 2003. Le Réseau de Surveillance Posidonies de la Région Provence-Alpes-Côte d'Azur : résultats de suivi 2002. Région PACA / Agence de l'Eau RMC / GIS Posidonie / SM 13 / DDE 83 / Conseil Général 06. GIS Posidonie publ., Marseille, Fr. : 1-176

CHARBONNEL E., DE VAUGELAS J., CHIAVERINI D., COTTALORDA J.M., GRAVEZ V., FRANCOUR P., ABELLARD O., REMONNAY L., MENAGER V., BOUDOURESQUE C.F., 1995 Cartographie de l'herbier de Posidonie et autres types de fonds dans le secteur des îles d'Hyères (Var, France) pour le passage d'un câble TELECOM à fibres optiques – Notice d'impact – Contrat France TELECOM & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-124

CHARBONNEL E., FRANCOUR P., 1994. Cartographie des fonds et de l'herbier à *Posidonia oceanica* entre la calanque du Muge et l'île verte (La Ciotat) pour le passage d'une canalisation d'alimentation en eau de l'île verte. Contrat ADES-Conseil Général des Bouches-du-Rhône & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-65

CHARBONNEL E., GRAVEZ V., ABELLARD O., BOUDOURESQUE C.F., REMONNAY L., 1995. Surveillance de l'herbier à *Posidonia oceanica* du golfe de Giens (Var, France). Second suivi. Contrat Syndicat Intercommunal Hyères-Carqueiranne pour l'assainissement de la baie de Giens & GIS Posidonie. GIS Posidonie publ., Marseille, Fr. : 1-106 + annexes

COLANTONI P., GALLIGNANI P., FRESI E., CINELLI F., 1982. Patterns of *Posidonia oceanica* (L.) Delile beds around the island of Ischia (Gulf of Naples) and adjacent waters *Marine Ecology*, 3 (1) : 53-74

COSSU A., GAZALE V., MONNI A., 1992. Primo contributo allo studio del fitobenthos dell'Isola Asinara. *Boll. Acc. Gioenia sci. Nat.*, 25(339) : 179-194

CREOCEAN, 2008. Commune de Sari-Solenzara. Mise en sécurité et extension du port de plaisance de Solenzara. Phase 1 : Reconnaissance du milieu marin : 1-124

DARMOUL B., 1988. Pollution dans le Golfe de Gabès (Tunisie). Bilan de six années de surveillance (1976-1981). *Bull. Inst. Océanogr. Pêche, Salambô*, 15 : 61-84

EL ASMI S., RAIS C., ROMDHANE M.S., EL HERRY S., 2003. Cartographie du récif-barrière de posidonies de la Baie de Sidi Raïs (côtes Nord-Orientales de la Tunisie). Actes du 2^{ème} Symposium méditerranéen sur la végétation marine, Athènes, 12-13 Décembre 2003, Regional Activity Centre for Specially Protected Areas publ., Tunis : 136-144

EL ASMI-DJELLOULI Z., 2004. Effets des herbiers à *Posidonia oceanica* sur la dynamique marine et la sédimentologie littorale dans la Baie de Monastir (Tunisie orientale). Thèse Univ. Tunis El Manar, Fac. Sci. Tun. : 1-185

FERNANDEZ C., PERGENT-MARTINI C., PASQUALINI V., 1997. Etude de faisabilité d'un mouillage organisé dans la baie de Tizzano - Approche environnementale. Contrat Mairie de Sartène/GIS Posidonie N°9702, GIS Posidonie - Centre de Corse edit., Corte

FRESI E., CINELLI F., MAZZELLA L., DE ROSA S., RIGILLO-TRONCONE M., SAGGIOMO V., 1979. Documenti sull'ecologia dell'ecosistema *Posidonia oceanica* (L.) Del. nelle acque dell'isola d'Ischia. *Atti. Del Convegno Scientifico Nazionale, Ital.*, 1 : 145-155

- GAILLANDE D. DE, 1970. Peuplements benthiques de l'herbier de *Posidonia oceanica* (Delile), de la pelouse à *Caulerpa prolifera* Lamouroux et du large du golfe de Gabes. *Téthys, Fr.*, 2(2) : 373-383
- GENETTA C., PESSANI D., PONCINI F., VETERE M., 1989. Sur la distribution de *Posidonia oceanica* autour de l'île de Salina (îles éoliennes, Sicile). *Posidonia Newsletter*, 2(1) : 29-31
- GRIMES S., BOUMAZA-SEMROUD S., SERIDI H., 2006. Programme d'aménagement côtier algérois. Bilan et Diagnostic. Protection des sites sensibles naturels marins du secteur Cap Djinet au Mont Chenoua. Partie II : Flore et Végétation marines. Programme d'aménagement côtier CAR/PAP – PAM – PNUE : 1-123
- HARITONIDIS S., DIAPOULIS A., NIKOLAIDIS G., 1990. First results on the localisation of the herbiers of marine phanerogams in the gulf of Thermaikos. *Posidonia Newsletter*, 3(2) : 11-18
- INSTM / APAL, 2003. Cartographie des herbiers de posidonies le long des côtes tunisiennes, Phase I : Synthèse bibliographique. Convention INSTM / APAL : 1-225 + annexes
- JAVEL F., 2007. Commune de Vico. Etude et cartographie des peuplements marins de la baie de Sagone. Safège : 1-43 + annexes
- KABOGLU G., SAVAS Y., 2006. Foça marine protected area. Neptune's Seagrass *Posidonia oceanica*. Foça Municipality
- KSONTINI M., DJELLOULI A.S., LANGAR H., ABDELJAOUED S., 2007. L'herbier à *Posidonia oceanica* de Port-Princes (Cap Bon, Tunisie) : Etude et présentation d'un patrimoine naturel. Actes du 3^{ème} Symposium méditerranéen sur la végétation marine, Marseille, 27-29 Mars 2007, Regional Activity Centre for Specially Protected Areas publ., Tunis : 274-276
- MARBA N., CEBRIAN J., ENRIQUEZ S., DUARTE C.M., 1996. Growth patterns of Western Mediterranean seagrasses : species-specific responses to seasonal forcing. *Mar. Ecol. Prog. Ser.*, 133 : 203-215
- MEINESZ A., BOUDOURESQUE C.F., VAUGELAS DE J., CHIAVERINI D., 1998. Map des biocénoses sous-marines de la Baie d'Elbo (Réserve Naturelle de Scandola). *Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse*, 57 : 163-169
- MINISTRY OF PUBLIC WORKS TRANSPORT AND TELECOMMUNICATION, 2007. Saranda Gateway, Albania Environmental Impact Studies and Environmental Impact Assessment. Draft Environmental Impact Assessment. Summary : 1-11
- MOSTAFA H.M., 1991. Ecological study of the marine phanerogam *Posidonia oceanica* and some of associated communities in the Mediterranean sea off Alexandria. Thesis, Univ. Alexandria, Egypt : 1-288
- NIERI M., 1991. Contribution à la surveillance et à la cartographie biocénotique des fonds littoraux des Bouches-du-Rhône et du Var (Méditerranée-France). Thèse doctorat Ecologie, Université Aix-Marseille II, Fr. : 1-158 + annexes
- NIERI M., SLOECK O., BOUDOURESQUE C.F., SHILI A., TRABELSI E.B., 1992. Contribution à l'étude de l'écosystème du lac Ichkeul (Tunisie). Les compartiments flore et faune lagunaires. *GIS Posidonie publ.*, Marseille, Fr. : 1-76
- ORRU P., ULZEGA A. Riserva Marina di Tavolara – Capo Coda Cavallo (Sardegna NE) Carta geomorfologica marina e continentale. Università degli studi di Cagliari - Dipartimento di Scienze della Terra, Centro Ricerche Energia Ambiente, Consorzio Ricerche Sardegna
- ORUETA J., LIMAMA A., 2003. Projet régional pour le Développement des Aires Protégées Marines et Cotières dans la région Méditerranéenne (Projet MedMPA). Plan de gestion de la partie marine du parc national de Zembra et Zembretta. Projet MedMPA Union Européenne – CAR/ASP : 1-70
- PASQUALINI V., 1997. Caractérisation des peuplements et types de fonds le long du littoral corse (Méditerranée, France). Thèse Doct. « Ecologie marine », Univ. Corse : 1-165
- PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 1995. Etude de la formation récifale de St-Florent (Haute-Corse) Cartographie et évolution. Contrat DIREN/GIS Posidonie, GIS Posidonie - Centre de Corse édit., Fr. : 1-49
- PEREZ-RUFAZA A., ROS J., MARCOS C., BALLESTER R., PEREZ-RUFAZA I.M., 1989. Distribution and biomass of the macrophyte beds in a hypersaline coastal lagoon (the Mar Menor, SE Spain), and its recent evolution following major environmental changes International Workshop on *Posidonia* Beds, Boudouresque C.F., Meinesz A., Fresi E. & Gravez V., edit., *GIS Posidonie publ.*, 2 : 49-62
- PERGENT G., 1991. L'anse du Rouet (Côte Bleue, Bouches-du-Rhône) Types de fonds – Peuplements – Aménagements. *GIS Posidonie Edit.* : 1-16
- PERGENT G., ABIVEN T., HAUDEN S., MIMAUULT B., PASQUALINI V., PATRONE J., PERGENT-MARTINI C., 2004. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Première phase : Cap Corse / Porto-Vecchio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, *GIS Posidonie Publ.*, Corte : 1-108

PERGENT G., BEN MAÏZ N., 2002. Le lac nord de tunis : exemple de restauration d'une lagune mediterraneenne. « *restauration des ecosystemes cotiers* », drevles I & m. Chaussepied edit., ifremer publ., actes de colloques, 29 : 168-178

PERGENT G., BOUDOURESQUE C.F., THELIN I., MARCHADOUR M., PERGENT-MARTINI C., 1991. Cartography of benthic vegetation and sea-bottom types in the harbour of Banyuls-sur-Mer (Pyrénées-orientales, France). *Vie Milieu*, 41(2/3) : 165-168

PERGENT G., CLABAUT P., MIMAULT B., PASQUALINI V., PERGENT-MARTINI C., 2005. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse. Deuxième phase : Porto-Vecchio / Ajaccio. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1-133

PERGENT G., DJELLOULI A., HAMZA A., ETTAYEB K., ALKEKLI A., TALHA M., ALKUNTI E., 2006. Etude des communautés végétales benthiques dans les lagunes côtières d'Ain Al-Ghazala et de Farwa (Libye). Centre d'Activité Régionale pour les Aires Spécialement Protégées : 1-64 + annexes

PERGENT G., LEONARDINI R., MIMAULT B., 2008. Mise en œuvre d'un Réseau de Surveillance Posidonies le long du littoral de la Corse – Troisième phase : Ajaccio / Cap Corse. Contrat Office de l'Environnement de la Corse et GIS Posidonie Centre de Corse, GIS Posidonie Publ., Corte : 1 – 141

PERGENT G., PASQUALINI V., PERGENT-MARTINI C., SKOUFAS G., SOURBES L., TSIRIKA A., 2003. Caractérisation des herbiers à *Posidonia oceanica* dans le Parc marin national de Zakynthos (Grèce). Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Seagrass 2000 : 1-54

PERGENT G., PERGENT C., 1985. Cartographie de l'herbier à *Posidonia oceanica* de la baie d'Urla-Iskele (Turquie). *Rapp. P.V. Réun. Commiss. internation. Explor. sci. Médit.*, 29(6) : 231-234

PERGENT G., PERGENT-MARTINI C., 2000. - Mission d'Etude en Libye - Etude des formations végétales de la lagune de Farwà. Contrat Centre d'Activité Régionale pour les Aires Spécialement Protégées et Université de Corse : 1-48 + annexes

PERGENT G., PERGENT-MARTINI C., MIMAULT B., PASQUALINI V., 2002. Impacts et tracés potentiels d'un câble d'alimentation électrique entre la Corse et la Sardaigne : Expertise biologique. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-31 + annexes

PERGENT G., PERGENT-MARTINI C., PASQUALINI V., 2003. Mise en place d'un câble sous-marin dans la Cala Sciumara : Incidence des travaux et propositions pour réduire les impacts sur le milieu naturel. Contrat Seagrass 2000 et Réseaux de Transport d'Electricité (EDF) : 1-22

PERGENT G., SEMROUD R., ROBERT P., 1991. - Inventaire des richesses écologiques littorales de la région d'El Kala (Algérie), en vue de l'extension du Parc National au domaine maritime. I. Etude préliminaire. Contrat projet n°9112 - 3 UICN / PNPC, GIS Posidonie Edit., Fr. : 1-49

PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., 1993. Etude de faisabilité d'un mouillage organisé dans le port-abri de Girolata - Approche environnementale. Contrat BCEOM/GIS Posidonie, GIS Posidonie - Centre de Corse edit., Fr. : 1-73 + annexes

PERGENT-MARTINI C., FERNANDEZ C., PASQUALINI V., PERGENT G., SEGUI C., TOMASZEWSKI J.E., 2000. Les étangs littoraux de Corse : Cartographie des peuplements et types de fonds. Contrat Equipe Ecosystèmes Littoraux - Université de Corse & IFREMER, N° 99 3 514004 : 1-33

PERGENT-MARTINI C., PASQUALINI V., PERGENT G., 2000. Impact de la station d'épuration de la Ville de Marseille sur l'herbier à *Posidonia oceanica* du secteur de Cortiou. Contrat Ville de Marseille/GIS Posidonie N°9904, GIS Posidonie Edit., Corte : 1 - 47

PERGENT-MARTINI C., PERGENT G., 1990. - Suivi de l'évolution de l'herbier à *Posidonia oceanica* après la mise en service de la station d'épuration de Marseille. Contrat Ville de Marseille/Université Aix-Marseille II N° 9261, LBMEB & GIS Posidonie Edit., Fr. : 1-58

PERGENT-MARTINI C., PERGENT G., GIRARD M., 1993. L'herbier à *Posidonia oceanica* du Plateau des Chèvres – Impact de la station d'épuration de la Ville de Marseille après quatre années de fonctionnement. Contrat Ville de Marseille/GIS Posidonie N° 9211, CEVAREN & GIS Posidonie Centre de Corse Edit., Fr. : 1-48

PERGENT-MARTINI C., RICO-RAIMONDINO V., PERGENT G., BOUDOURESQUE C.F., BOUQUEGNEAU J.M., ARNOUX A., 1993. Mémorisation des métaux-traces par *Posidonia oceanica*. Qualité du milieu marin – Indicateurs biologiques et physico-chimiques. Boudouresque C.F., Avon M. & Pergent-Martini C. edit., GIS Posidonie publ., Fr. : 105-120

PETRAGALLO S., MIMAULT B., PASQUALINI V., PERGENT-MARTINI C., PERGENT G., 2004. Etat de référence des principaux peuplements et types de fonds du Parc Marin International des Bouches de Bonifacio. Convention de recherche Seagrass 2000 & O.E.C., Seagrass 2000 edit., Corte : 1-54 + annexes

- PLAN BLEU, 2005. A sustainable Future for the Mediterranean. The Blue Plan's Environment & Development Outlook. Benoit G & Comeau A. Edit., Earthscan Publ. : 1-450
- PNUE-PAM-CAR/ASP. 2008a. Plan d'Action pour la Conservation de la Végétation Marine en Mer Méditerranée. Adoption 1999 / Révision 2005. CAR/ASP Edit., Tunis : 1-26
- PNUE-PAM-CAR/ASP. 2008b. Plan d'action pour la conservation du coralligène et des autres bio-concrétionnements calcaires de Méditerranée. CAR/ASP Edit., Tunis : 1-21
- RAMOS-ESPLA A.A., 1984. Cartografia de la pradera superficial de *Posidonia oceanica* en la Bahía de Alicante (SE, Espana). International Workshop *Posidonia oceanica* Beds, Boudouresque C.F., Jeudy De Grissac A. & Olivier J. edit., GIS Posidonie publ., 1 : 57-61
- RAMOS-ESPLA A. A., CEBRIAN D., DEMETROPOULOS A., 2007. Coastal Area Management Programme (CAMP) for Cyprus. Activity 6 : biodiversity concerns in Integrated Coastal Area Management (ICAM). Programme CAR/ASP – MAP – UNEP : 1 – 69
- RAMOS ESPLA A.A., MARTINEZ PEREZ L., ARANDA A., GUILLEN J.E., SANCHEZ JEREZ P., SANCHEZ LIZASO J.L., 1993. Protección de la pradera de *Posidonia oceanica* (L.) Delile mediante arrecifes artificiales disuasorios frente a la pesca de arrastre ilegal ; el caso de El Campello (SE ibérico). Publ. Espec. Inst. Esp. Oceanogr, 11 : 431-439
- SEMROUD R., PERGENT G., BERTRANDY M.C., 1990. Cartographie des peuplements de Macrophytes benthiques (algues et phanérogames) dans les étangs de Berre et de Vaïne (Bouches-du-Rhône, France). Contrat Agence de l'Eau / GIS Posidonie & Cellule Qualité des Eaux Littorales, Fr. : 1-52
- SHILI A., 2008. Les peuplements à *Ruppia* (Monocotyledone, Ruppiales) des milieux lagunaires de Tunisie. Thèse Doct. « Biosciences de l'Environnement, Chimie et Santé », Univ. de la Méditerranée, Centre d'Océanologie de Marseille, Aix-Marseille II : 1-305 + annexes
- SHILI A., BEN MAÏZ N., BOUDOURESQUE C-F., 2007. Diversité des peuplements phytobenthiques dans les lagunes du Cap Bon (Nord-Est de la Tunisie). Actes du 3^{ème} Symposium méditerranéen sur la végétation marine, Marseille, 27-29 Mars 2007, Regional Activity Centre for Specially Protected Areas publ., Tunis : 179-184
- SHILI A., TRABELSI E.B., BEN MAÏZ N., 2002. Benthic macrophyte communities in the Ghar El Melh lagoon (North Tunisia). Journal of Coastal Conservation, 8 : 135-140
- SIKAVARA K., VALAVANIS V., BANKS A.C., 2000. Mapping of Natura 2000 seagrass habitats using remote sensing techniques. Actes du premier symposium méditerranéen sur la végétation marine (Ajaccio, 3-4 octobre 2000). *Mednature* 1 : 186-190
- SILVESTRI C., 1993. Studio sinecologico sulla prateria di *Posidonia oceanica* (L.) Delile di Monterosso al mare (SP) : cartografia quali-quantitativa e dinamica stagionale. Tesi, Univ. Roma, Ital. : 1-97 + annexes
- STARESO, 1992. Etude du milieu marin en vue de l'implantation d'un émissaire de rejet par la commune de Taglio Isolaccio
- STARESO, 1993. Etude du milieu marin en vue de l'implantation d'un émissaire de rejet en mer à Macinaggio (Commune de Rogliano) : 1-80
- STARESO, 1997. Etude du milieu marin en vue du rejet des déblais de dragage du port de commerce de Bastia, Notice d'impact : 1-25
- TOCCACELI M., 1990. Il recife-barriera di *Posidonia oceanica* (L.) Delile della Baia di Carini (Sicilia Nord-Occidentale). *Oebalia*, XVI suppl. 2 : 781-784
- TORRES J., GINER I.M., BENEDITO V., ESTEBAN J.L., CAPACCIONI R., GARCIA-CARRASCOSA A.M., 1990. Distribution and preliminary evaluation of the state of the *Posidonia oceanica* meadows on the coasts of Alicante (Spain, Western Mediterranean). *Coast. Rapp. Comm. Int. Mer. Médit.*, 32(1) : 9
- TSIRIKA A., CHRISOPOLITOU V., HARITONIDIS S., 2001. Preliminary results of mapping of the coastal and halophytic habitattypes (Directive 92/43/eec) in the gulf of Koukounaries (Skiathos, North Aegean Sea). Réun. Commiss. internation. Explor. sci. Médit., 36 : 423
- TURK R., LIPEJ L., 2006. Research on seagrasses off the slovenian coast (Northern Adriatic). *Biologia Marina Mediterranea*, 13(4): 282-286
- VAUGELAS DE J., CHIAVERINI D., MEINESZ A., PIETRI F., 1998. Map des biocénoses sous-marines de la réserve naturelle des Lavezzi. *Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse*, 57 : 171-175
- VAUGELAS DE J., MEINESZ A., BONNIN A., CHIAVERINI D., COTTALORDA J.M., 1995. Etude de faisabilité du Parc Marin International des Bouches de Bonifacio. Cartographie des fonds marins des criques les plus fréquentées par la plaisance (Corse du Sud). Ed. LEML-UNSA : 1-41
- VAUGELAS DE J., MEINESZ A., CULIOLI J.M., 1998. Premiers éléments sur les peuplements sous-marins des îles Cerbicale (Corse du Sud). *Trav. Sci. Parc Nat. Rég. Rés. Nat. Corse*, 57 : 11-41

VAUGELAS J. DE, TRASTOUR L., 2002. Cartographie des biocénoses marines de la Réserve du Larvotto, Monaco. Laboratoire Environnement Marin Littoral, Université de Nice-Sophia Antipolis : 1-14.

VELA, A., DJELLOULI, A., LANGAR, H., PASQUALINI, V., PERGENT, G., PERGENT-MARTINI, C., MRABET, R., DJABOU, H., 2005. Use of SPOT 5 and IKONOS satellites for mapping biocenoses in a Tunisian Lagoon. In : Proceedings of the seventh International Conference on the Mediterranean Coastal Environment, MEDCOAST 05, E. Ozhan Edit., MEDCOAST Secretariat, Middle East Technical Univ. Publ. 1383-1391

VELA A., PERGENT-MARTINI C., PASQUALINI V., LEONI V., PERGENT G., 2001. Parc Marin International des Bouches de Bonifacio, Etat de référence des herbiers à *Posidonia oceanica*, Contrat GIS Posidonie & O.E.C. : 1-35

WURTZ M., REPETTO N., MATRICARDI G., 1988. A simple and fast method to obtain rough density maps of the *Posidonia oceanica* beds. Rapp. P.V. Réunion. Commiss. internation. Explor. sci. Médit., 31(2) Y-I3 : 316

ZOUALI J., 1971. La mer de Bou Grara : les fonds et les peuplements végétaux. Bulletin de l'Institut National Scientifique d'Océanographie et de Pêche, Salammbô, 2(2) : 229-235