COASTAL FISHERIES PRACTICED BY VESSELS BELOW 20HP IN GREECE: BIOLOGICAL, ECONOMIC AND SOCIAL FRAMEWORK

Project no 97/0051

EC DG XIV Directorate -General for Fisheries

FINAL REPORT

Vol. 2 (Appendices)

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APPENDICES

APPENDIX I

Detailed methodological aspects of the project

I.1. The monitoring approach

A low-cost, large-scale survey was designed and executed for the collection of sample data on activity, daily catches, production and other related items. Research effort was more sharply concentrated in a limited number of areas (ten in total) where the "under 20" segment of the fleet is well developed and/or it was possible to establish contacts with suitable enumerators and fisheries organisations. The survey was –in its greater part- conducted through the cooperation of the field staff of the Agricultural Bank of Greece (ABG) and lasted one calendar year (January 1999 – December 1999).

I.1.A. Identification of potential survey areas

Using the area sampling frame described earlier (section 2.1.2.), fishing ports of potential interest to the survey were first identified on the basis of the importance of the "under 20 HP" sector of the fishing fleet in terms of number of fishing units. A list containing 68 ports with at least 40 vessels in each port was prepared.

I.1.B. Establishment of the survey areas

Contacts were made with the head office of the ABG to ascertain if branch offices of the Bank exist near the potential survey areas, and whether these branches were equipped with personnel suitable for the current investigation. A number of 29 branches were provisionally identified as suitable for the scopes of the investigation. Letters were addressed by the head office of the ABG to the geotechnical inspectorates of the local branches describing the scopes of the investigation, outlining the methodology of field work, and requesting for their co-operation. There was a positive response from 15 inspectorates.

For the establishment of the sampling areas required for the investigation, a number of specific criteria that were set out, in order to represent ports of different geographic areas, different geomorphological conditions (e.g. lagoons, islands, gulfs, etc.), different fishing practices, and different socio-economic characteristics, especially as regards the importance of fishery relative to other economic activities. The data required for the evaluations was derived from fisheries inventory data, the National Accounts (describing the Gross Domestic Product GDP, the Gross Agricultural Product GAP and the Gross Fisheries Product GFP) and from information collected from the geotechnical inspectorates or during visits to various areas.

An additional criterion, that had necessarily be satisfied, was that an adequate number of fishermen with boats of less 20 HP registered power, should actually be working in the selected ports on a constant basis. This criterion was set out because fishermen frequently switch from port to port or may work permanently or seasonally in ports other than the ones in which they are registered. The last criterion was the willingness of fishermen of a specific port to participate in the investigation. To assess the actual number of fishermen in the pre-selected ports and to explore their willingness, preliminary contacts were made by the research group and the local inspectors with fishermen holding fishing licenses of vessels below 20 HP (using information from the national Registry of Fishing Vessels).

Some of these contacts were made through the presidents of the local fisheries organisations.

In effect, to identify ports satisfying the first set of criteria was not too difficult. However, it proved very difficult to identify a sufficient number of local fishermen willing to participate in the investigation. Probable reasons of unwillingness are:

(a) Some fishermen owing small boats practice fishing irregularly. A number of them stated that they would not be able to provide data at the required frequency. Other fishermen stated that at least seasonally, they practice activity in other areas.

(b) Fishermen owing small boats usually have a low educational level and are unfamiliar with statistics and data recording. The obligation to provide statistical information appears to them as a troublesome nuisance.

(c) For many fishermen, data recording appears as a useless bureaucratic procedure. Some clearly stated that they would not like to be disturbed on a fortnight basis to complete the statistical information sheets.

(d) Many fishermen were reluctant to report their catches.

(e) Through their refusal, fishermen took the opportunity to express their dissatisfaction with the existing limitations on the fishing capacity of their vessels (including limitations on engine power). As the regulations now stand, fishermen are not allowed to replace their engines with more powerful ones for the purpose of maintaining the *status quo* of the fishing capacity of the fishing fleet. According to the fishermen, vessels that were already under-powered when the restrictions on engine power were introduced, continue to remain so, and that in effect limits the efficiency, under the current circumstances. The latter creates not only discrimination among fishermen, but also expose the under-powered vessels to increased danger from adverse climatic conditions.

(f) It is quite likely that some fishermen have replaced the engines of their boats with others of higher capacity, contrary to the rules (this issue will be examined in more detail in subsequent sections of this report). These fishermen were suspicious about the scope of the present project and refused to cooperate.

I.1.C. The survey areas

Ten (10) areas were finally evaluated and surveyed for the routine collection of data of socio-economic and bio-ecological importance. These areas represent big urban centres, medium size towns, agricultural regions, big and small fishing centres, tourist centres, islands heavily dependent on fisheries, etc. where the possibility of space or resource use conflicts make them of particular interest to the study. The ten areas are named below (locations are shown in Fig. 1) along with the size of the sample of fishermen from each area (in parenthesis):

- Paros island (12)
- Amfilohia (11)
- Preveza and Leukada (12)
- Chalkidiki (11)
- Lesvos (Mytilini) island (16)
- Kalymnos island (18)
- Chalkida (11)
- Thesaloniki (13)
- Githio (7)
- Alexandroupolis (14)

I.1.D. Finalisation of the sample units (fishing vessels)

The initial intention was to employ a stratified random sampling scheme from the registries of vessels kept at the port authorities of the selected areas for the selection of samples of fishermen representing different types of activity and social groups. However, because of the difficulties described earlier, it was not possible to apply statistical criteria for the selection of samples of vessels. Therefore, the execution of the survey relied mostly on empirical selection of fishermen based on information from local professional organisations and local authorities. When up to 20 fishermen with vessels of nominal engine power less than 20 HP were willing to co-operate, all were included in the sample. In relatively few cases a selection of vessels had to be made, using as main criteria the gear used and the activity in fisheries (effort was devoted to include part-time fishermen).

I.1.E. Execution of the surveys

The samples of fishermen were kept "fixed over time". The activities of these fishermen were routinely monitored (information is recorded on a fortnight basis) for 12 consecutive months (starting from January 1999).

I.1.F. Recorder's manual

A basic manual for field recorders was prepared and distributed to the local enumerators. The following aspects of importance were collected on a fortnight basis:

- Number of days spent fishing during the previous fortnight
- Reasons of inactivity
- Number of days spent in activities other than fishing
- Quantity of fish caught during the previous fortnight
- Composition of catches and prices attained by species
- Distribution / marketing of products

Furthermore on the aspects described, the information sheet referring to the second fortnight of the month requested additional information on the operational costs and the yielded income of the month before.

An additional information sheet requesting background information for each vessel participating in the survey was also prepared and distributed to the enumerators. This sheet was completed only once –at the beginning of the survey- and provided basic information on:

- vessel characteristics (length, engine power)
- the mechanical and electronic equipment of the vessel
- vessel typology and fishing gear used
- details of the vessel owner (educational status, age, etc.)
- details concerning the crew
- occupation status (other professional activities complementary to fishing)
- share of total income from fishing

SAMPLE SHEET 1 (translated)

INFORMATION SHEET FOR VESSELS OF ENGINE POWER BELOW 20 HP

Registration number of fishing vessel (A.M.A.Σ.) _____

Month _____

	First fortnight		
Quantity of fishes (Kg)			
Composition of catch (% in total quantity)	Main species Name	Percentage	price

1. Days worked during the first fortnight: ____

2. Reasons of inactivity:
   - Agricultural works ____
   - Urban services ____
   - Tourism ____
   - Industry ____
   - Fish worker ____
   - Other (please detail) _____

3. Destination of products

	Destination	Percentage of fishes (%)
Restaurants		
Fish shops		
Retail sail		
Through wholesale dealers		
Through the fishing port		
Through middlemen in fishing port		
Other (please detail)		

INFORMATION SHEET FOR VESSELS OF ENGINE POWER BELOW 20 HP

A.M.A.Σ. _____

Month _____

	Second fortnight		
Quantity of fishes (Kg)			
Composition of catch (% in total quantity)	Main species Name	percentage	price

1. Days worked during the second fortnight: ____
2. Reasons of inactivity:
   - Agricultural works ____
   - Services ____
   - Tourism ____
   - Industry ____
   - Fish worker ____
   - Other (please detail) _____
3. Monthly operation cost (fuel, maintenance, nets etc.) _____
4. Monthly income from fishing _____drachmas
5. Destination of products

	Destination	Percentage of fishes (%)
Restaurants		
Fish shops		
Retail sail		
Through wholesale dealers		
Through the fishing port		
Through middlemen in fishing port		
Other (please detail)		

SAMPLE SHEET 2 (translated)

BACKROUND INFORMATION FOR VESSELS BELOW 20 HP

(completed only once for each vessel)

Percentage of vessels in the area with no present activity in the particular port _____%

1. Vessel characteristics
   - A.M.A.Σ. _____
   - Engine power (HP) _____
   - Length (m) _____
2. Equipment
   - Mechanical (winch etc.) _____
   - _____
   - Electronic (echo sounder etc.) _____
   - _____
3. Fishing gear
   - Nets ____
   - Longline ____
   - Kiourtos (traps) ____
   - Volkoi (traps) ____
   - Koutia (traps for octopus) ____
   - Argalios (dredge) ____
   - Harpoon ____
   - Pyrophani (harpoon combined with light) ____
   - Bendoulas ____
   - Other (please detail) _____
4. Details for the vessel owner:

   Educational status _____

   Married ____ Single ____

   Age ____
5. Crew:
   - Fishing workers ____
   - Members of family:
   - Wife ____
   - Children ____
   - Relatives ____
6. Occupation status
   - Mainly fishing (contribution to income above 50%) ____
   - Complementary ____
7. Other professional activities
   - Agricultural works ____
   - Services ____
   - Tourism ____
   - Industry ____
   - Fish worker ____
   - Other (please detail) _____
8. Percentage of income from fishing _____%

I.2. The interviewing approach

Face-to-face interviews were held with fishermen representing professional fisheries organisations (associations and cooperatives), as well as with relevant administrative authorities.

During the interviews the project researchers attempted to get an insight into the fisheries practised with vessels below 20 HP with respect to its size, undertakings, economic and social elements, problems and relationships with other economic activities. The researchers also examined certain issues of raised debate, and eventually of conflicts, with other fishing categories and users of the coastal zone, by theme and by region. Such an issue of significant importance, was the suspicion of engine replacement by stronger ones. Though not openly nor directly stated, it became quite apparent, during the course of the project, that a number of fishermen had replaced their engines. It was therefore within the intentions of the interviewing-approach method to surface the reasons behind such actions.

I.2.A. Identification of the fisheries organisations to be contacted

The fieldwork regarding the identification of the fisheries organisations that were to be contacted for interviews had been based on some preconceived ideas. Initially it was thought that vessels with low-power engines are also small in size, and that fishermen owing such vessels are generally poor people, constrained by financial inability and/or management rules imposing limitations on technology to acquire larger vessels. These preconceived ideas were the result of a general feeling that a relationship between vessel size and engine power should exist, and that both should be correlated with productive capacity and income. Therefore, from the social point of view, fishermen with vessels below 20 HP could be considered as a more or less homogeneous group within the small-scale fisheries sector. Yet, for these reasons it was regarded as a group of special social importance, according to inventory data, the "under 20 HP" segment of the fleet constitutes, in terms of numbers, more than 50% of the operating professional fishing vessels in Greece. Despite however, this importance, the role of this segment in the national fisheries production, employment and social life remained a poorly explored area. It should therefore be kept in mind that the main reason for undertaking the present study was that the national fisheries information systems almost totally ignore this segment of the coastal fisheries.

However, to the surprise of the researchers reality appeared to be quite different than initially anticipated. Although not all aspects of this fisheries segment has been investigated, it seems that fishermen with vessels below 20 HP do not comprise a recognised and distinguishable professional or social group. Rather, they constitute an almost indistinguishable component of the group of coastal fishermen with respect to activity patterns, typologies of their vessels, fishing practices etc. (however, the "under 20 HP" segment of the coastal fishing fleet includes a relatively large proportion of fishermen using nets and longlines, mainly because the low engine power of vessels becomes prohibitive for some other specialised fishing activities. In fact, these fishermen are distinguished from the other coastal fishermen only by the smaller engine power of their vessels (not always by the smaller length of their vessels, as will be explained in other sections of this report).

The practical implication of these initially preconceived ideas was that it was difficult to identify fisheries organisations to be interviewed that would represent this particular group of fishermen. In Greece, fishermen are organised either in associations, having as main objective to represent their members to the administration, or in cooperatives, which undertake to develop marketing networks, to organise trading infrastructure and to supply their members with various fishing equipment. Almost invariably, coastal fishermen and medium fishermen (see section 1.1 for the distinction between these two fisheries categories) are organised in separate associations or cooperatives. The "coastal" fisheries associations and cooperatives include in their members fishermen owing vessels with low-power engine, though none of the known organisations deals specifically with the "under 20 HP" fisheries sector.

Under such circumstances, it was decided to contact coastal fisheries associations and/or cooperatives only, and to arrange face-to-face interviews with the president and members of the administrative boards. During the visits to the study areas interviews were also held with individual fishermen-owners of vessels with an engine power less than 20 HP. The interviews were oriented towards understanding the particular problems this group of fishermen is facing, especially with regard to competition with fishermen owing stronger and better equipped vessels. The interviews also focused on legal, structural and socio-economic aspects, and addressed the issue of conflicts with other fisheries sectors. Other targets of the investigation were the perceptions of the local fishermen towards the overfishing problem, and how this affects employment and fisheries income, enquiring at the same time on their the views on possible solutions to these problems.

It was also decided to broaden the scopes of the investigation, and to include in the study all aspects concerning the coastal fisheries operated with relatively small and underpowered vessels, regardless of the actual engine power of the vessels. As already stated, the fishermen with vessels below 20 HP constitute an almost indistinguishable component of, and seem to be facing similar problems as, many other coastal fishermen. In addition, it seems that many fishermen have illegally replaced their engines with engines of higher capacity. Therefore, from the technical side, it was difficult to define with a reasonable accuracy on the basis of inventory data (engine power of vessels recorded in the official registries) which fishermen in an area should be the target of the investigation. From the social side, it would be interesting to understand the motives of replacing their engine, and thus breaking the rules.

I.2.B. The method of work

A special text was prepared, describing the scopes of the investigation and indicating that two of the long-term objectives of the EU common fisheries policy are to maintain the employment opportunities in the fisheries sector and to alleviate the social and economic consequences of measures taken for the rationalisation of the patterns of resource exploitation. The text stressed the importance of acquiring information on parameters associated with the fisheries operated with small and underpowered vessels, for which no adequate and reliable statistical information exist, and also that this information may help

to identify appropriate actions of social character to be implemented in the frame of future reforms of the fisheries policy (Appendix III).

The text was sent or delivered to pre-selected fisheries organisations, which were asked to accept members of our research team for a meeting. All contacted organisations accepted promptly. Moreover, prior to the meetings, a draft questionnaire had been prepared to serve as a reference material for the interviews. The questionnaire comprised of several sections that covered different spheres of interest, such as: information on the interviewed organisation, demographic aspects, activities, catches, conflicts, attitudes to policy planning and enforcement policies, problems, etc.

Due to the complexities of the activities and problems, neither all questions fitted the local problems and perceptions, nor the replies to the questionnaire could not be treated quantitatively. The meetings were essentially turned to open discussions, which, however, allowed the gathering of useful information on problems and opinions.

I.2.C. The study areas

The following fisheries organisations, located in different geographical areas and representing different fishery characteristics were finally selected for the investigation. The selection was based both on previous experience and on information from central administrative authorities and local fisheries inspectorates, which were consulted during the selection process. The geographical location of these organisations is illustrated in Fig. 2 (Vol. 1).

- "Agios Nikolaos" - Fisheries Association of ZEA
- "Evros" – Fisheries Cooperative of Alexandroupolis
- "Anagenisi" -Fisheries Association of Glyfada
- "Mesiniakos kolpos" -Fisheries Association of Mantineia
- "Lakonikos kolpos" -Fisheries Association of Githio
- "Analipsis", Association of "free" fishermen of Messolongi
- "Ypapanti" - Coastal fisheries cooperative of Kalymnos
- "Agioi Apostoloi" - Fishermen's association of Mytilini and adjacent areas
- "Agios Nikolaos" - Fisheries Association of Naousa, Paros
- Professional fisheries association of Paros
- Fishermen's association of Antiparos
- Fisheries association of Amphiloxia
- Association of professional fishermen of Nea Kios
- Fisheries cooperative of Stylida
- Fisheries cooperative of lake Trichonis
- Association of fishermen of Naupaktos and adjacent areas
- Fisheries association of Korinthos
- Association of coastal fishermen of Volos
- Association of coastal fishermen of Preveza

In all the afore-mentioned areas, the meetings during which the interviews took place were organised with the president or the vice-president and members of the administrative boards of the fisheries organisations, as well as with individual fishermen.

Some other areas were also visited in the frame of the present or other concurrently running projects, but it was not possible to establish contacts with the administrative boards of the local fisheries organisations. In these areas (e.g. Pyrgos, island Alonisos, island Chios, Elefsis) individual fishermen owing vessels with low power engines were located in places were they were expected to be found, such as mooring places, and interviews were held.

APPENDIX II

The 'Integrated Database' design and software module

The database design and software module

1. The Selectivity Information System

1.1 The Integrated Database System

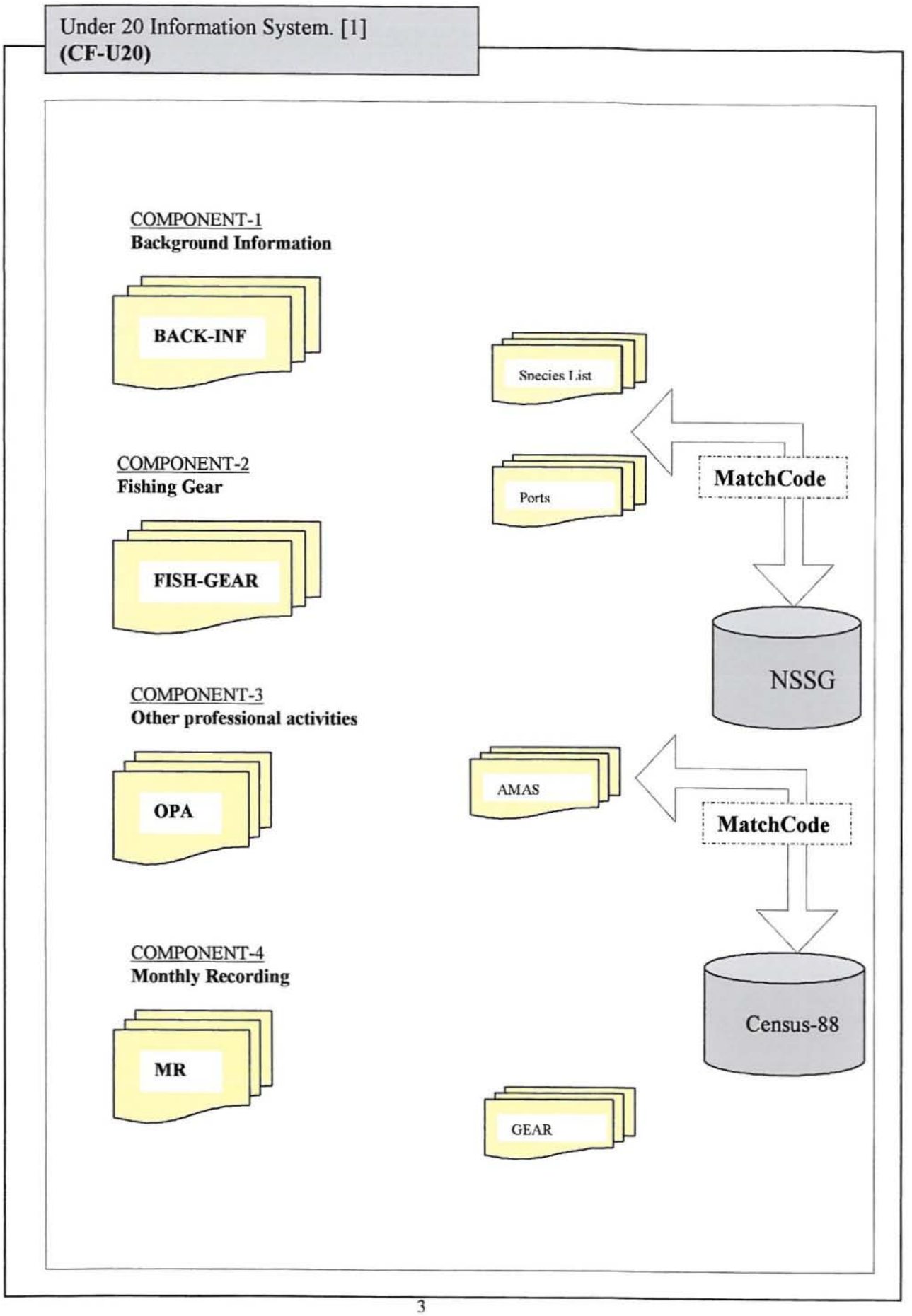
The established integrated database system **CF-U20** (COASTAL FISHERIES PRACTICED BY VESSELS BELOW 20 HP IN GREECE: BIOLOGICAL, ECONOMIC AND SOCIAL FRAMEWORK) consists of eight database modules and records the following information:

- ✓ Background Information (**BACK-INF**). The module holds the general data, which relates to vessel and owner characteristics (Vessel identification number (AMAS), Length, Engine power, Mechanical and Electonic Equipment, Dtails for the owner of the vessel, Crew, Occupation status and Percentage of income from fishing).
- ✓ Fishing Gear (**FISH-GEAR**). The module consists of a list of the used fishing gear(s), the amount and the unit (meter, number) per gear.
- ✓ Other professional activities (**OPA**). Other professional activities such as agricultural works, Tourism, Industry e.t.c. are given in the module.
- ✓ Monthly Recording (**MR**). Contains the AMAS of the vessel and the months.
- ✓ Fortnight Information (**FI**) In the module are recording the quantity, the days worked, the operation cost and the income per vessel, month and fortnight.
- ✓ Species composition (**SPEC-COMP**). The quantity and the price per species are recording in the module.
- ✓ Reason of inactivity (**INACT**). The module records the inactivity reasons (such as Agricultural works, Urban services, Tourism, Industry, Weather conditions) per vessel and fortnight.
- ✓ Disposal of products (**DISP-PROD**). The module describes the Disposal of products (Restaurants, Fish shops, Retail sail e.t.c.), the destination and the percentage contribution of the type of disposal.

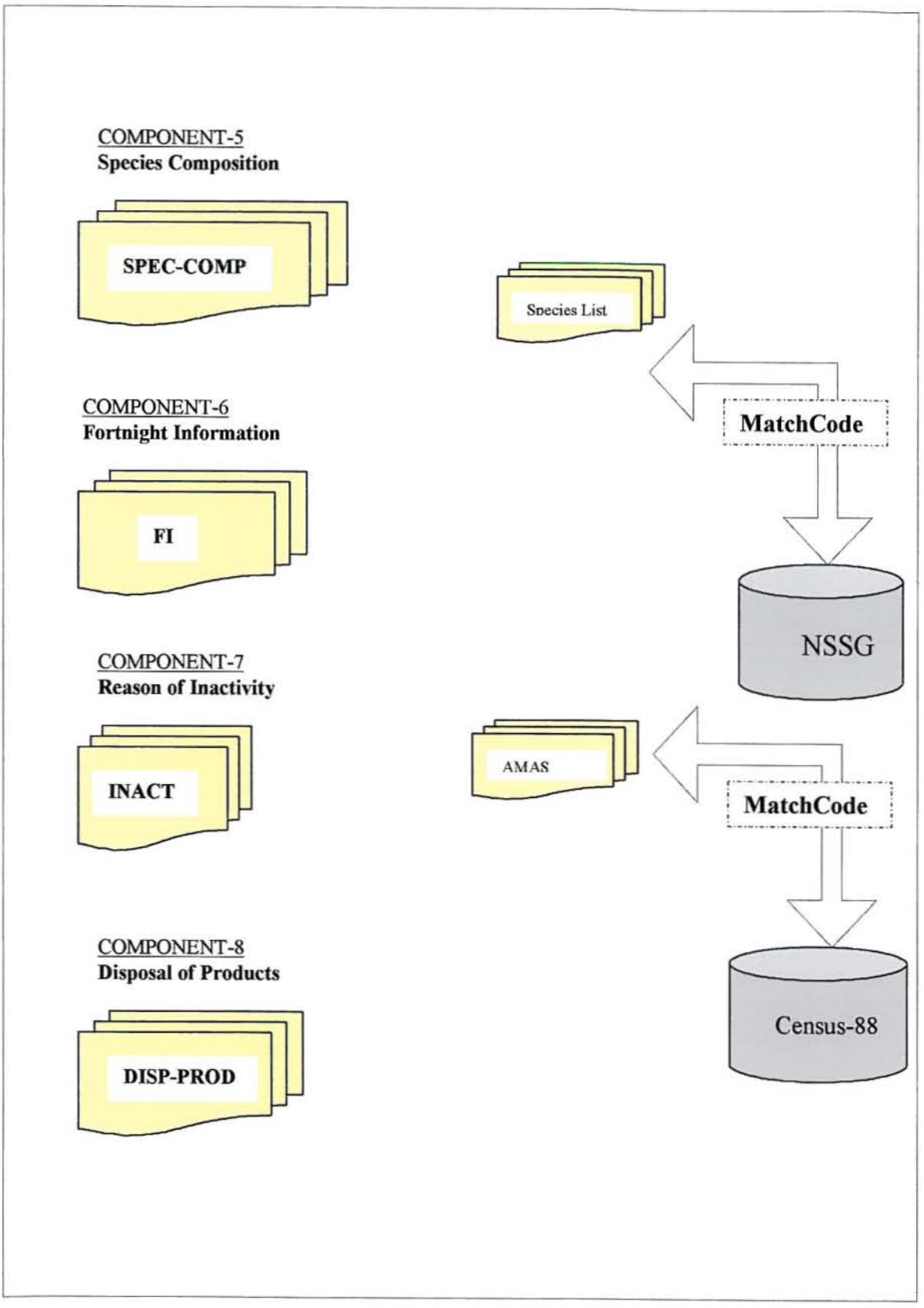
The Integrated Database System ensure matching of the available fisheries information sets from the National Statistical Service of Greece (NSSG) (based on species code) and the Ministry of Agriculture Census-88 data (based on AMAS). This capability accomplished by including the field "Species Code" and "AMAS" in the tables' structure. On the field "Species Code" is based the species codification system of NSSG, including 148 species. On the field "AMAS" is based the codification system of Census-88 which characterize unique each fishing vessel. Using these important key-fields, we realize the linking between the Selectivity Information System (SIS) and the National Statistical Service of Greece and Census-88 information sets.

For each database module, the analytical data structure and the relationships between the tables are given, as well as the structure of each table (field name, data type, size, key).
More analytical, in the following Schema Diagrammes presents the relationships and the referential integrity between the tables of the **CF-U20**. The Referential Integrity ensures that the value of a field or group of fields in one table is valid before accepting it in the referential integrity table.

1.2 The Schema Diagramme of CF-U20

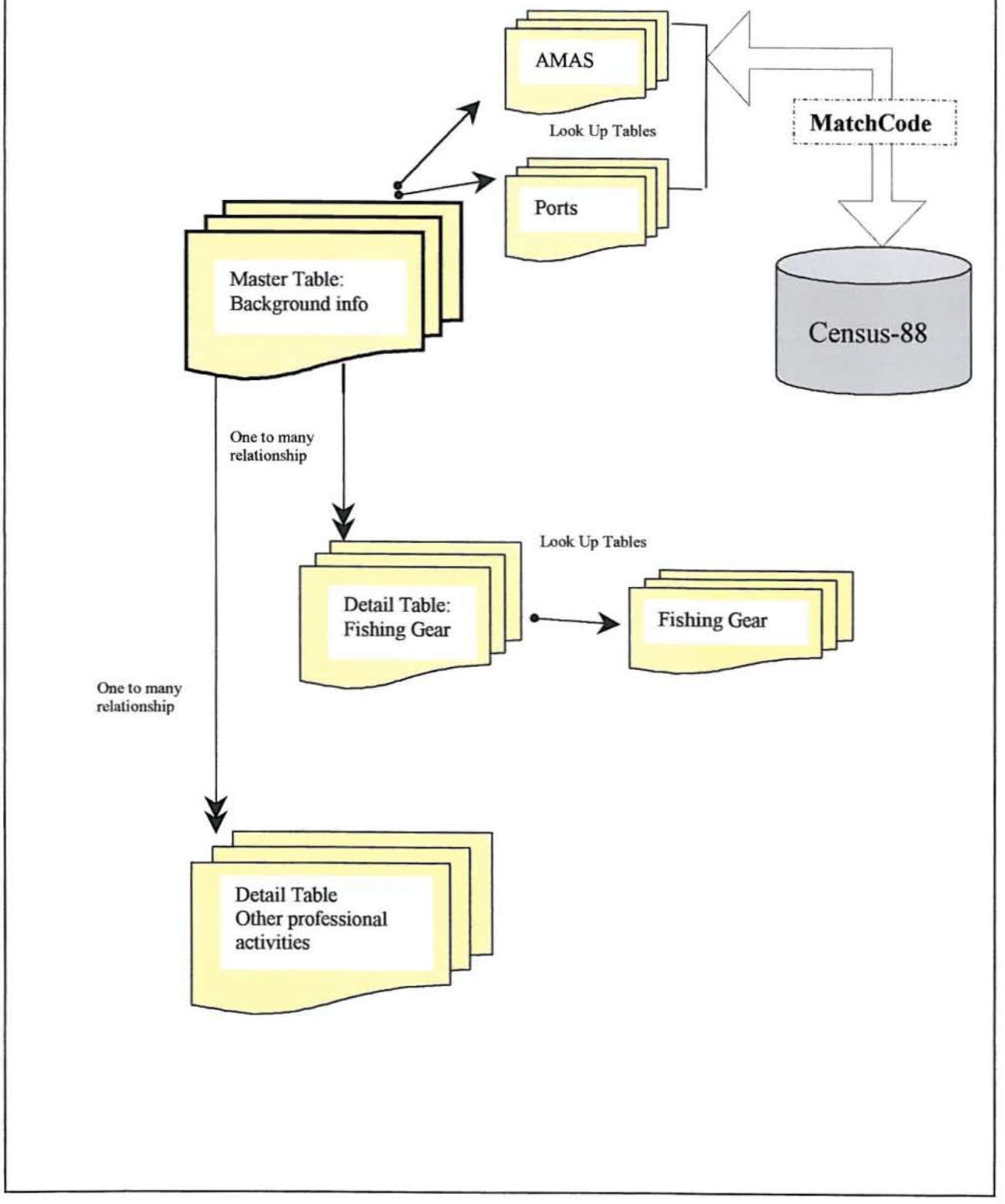


Under 20 Information System. [2]
(CF-U20)



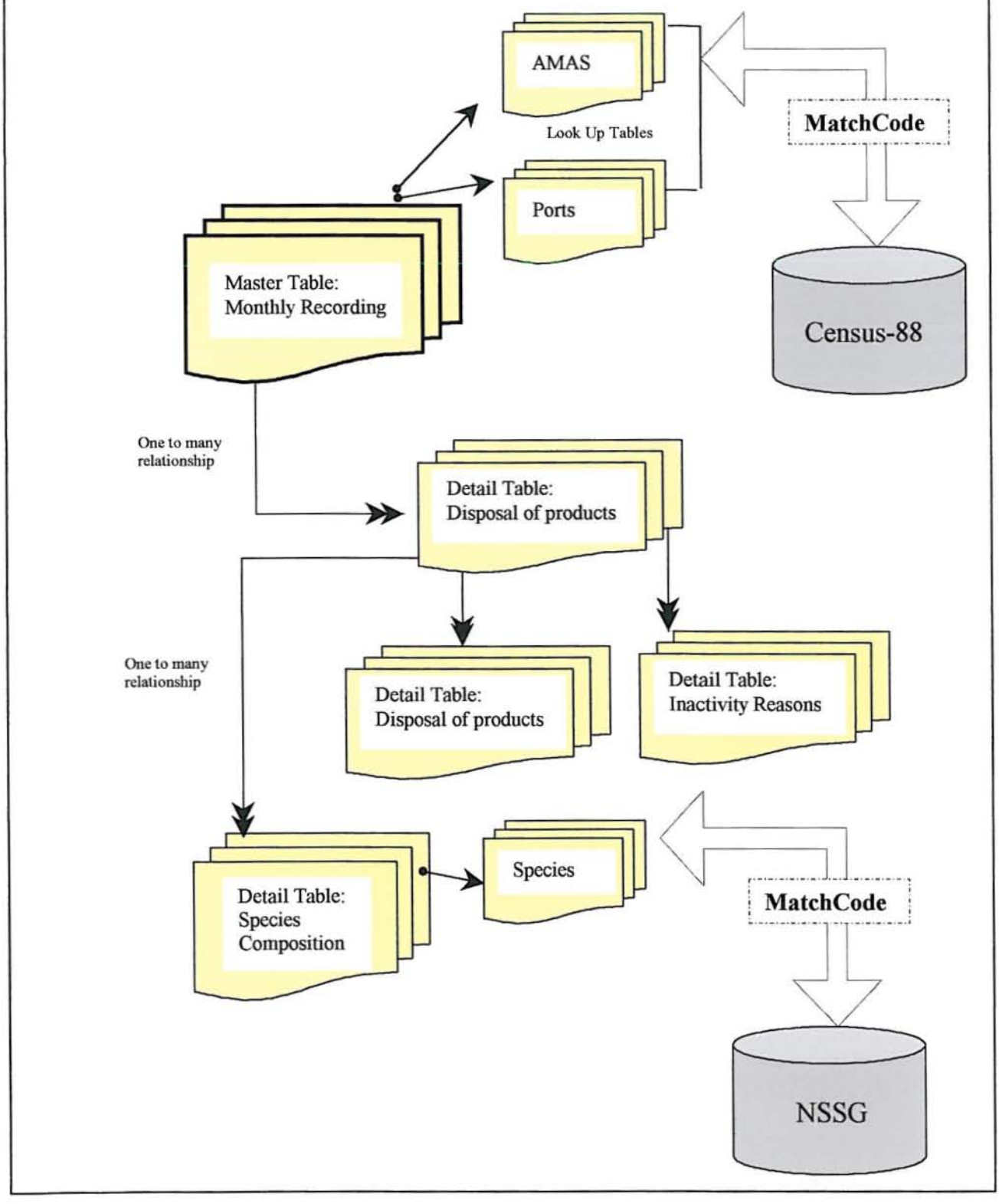
Under 20 Information System: **(CF-U20)**

Background Information, Used Fishing Gear and Other professional Activities Set



Under 20 Information System: **(CF-U20)**

Monthly Recording, Fortnight Info, Species Composition, Reason of Inactivity and Disposal of Products



1.3 The database structure

1.3.1 The Background Information module (BACK-INF)

The structure of the table : Background Information (master)			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Engine Power	N		
Length	N		
Mechanical Equipment	A	50	
Electronic Equipment	A	50	
Educational Status	A	20	
Married	A	1	
Age	S		
Single	A	1	
Fishing Workers	S		
Wife	A	1	
Children	A	1	
Relatives	A	1	
Mainly Fishing	A	1	
Complementary	A	1	
Percentage of income	N		

1.3.2 The Fishing Gear module (FISH-GEAR)

The structure of the table : Fishing Gear			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Gear Code	A	2	*
Check	A	1	
Value	N		
Unit	A	5	

1.3.3 The Other Professional Activities module (OPA)

The structure of the table : Other Professional Activities			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Activities	A	20	*
Check	A	1	

1.3.4 The Monthly Recording module (MR)

The structure of the table : Monthly Recording (master)			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Month	S		*

1.3.5 The Fortnight Information module (FI)

The structure of the table : Fortnight Information (detail)			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Month	S		*
Fortnight	S		*
Quantity	S		
Days Worked	S		
Operation cost	I		
Income	I		

1.3.6 The Species Composition module (SPEC-COMP)

The structure of the table : Species Composition			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Month	S		*
Fortnight	S		*
Species Code	A	3	*
Quantity	N		
Price	N		

1.3.7 The Reason of Inactivity module (INACT)

The structure of the table : Reason of Inactivity			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Month	S		*
Fortnight	S		*
Inactivity Reason	S		*
Check	A	1	

1.3.8 The Disposal of Products module (DISP-PROD)

The structure of the table : Disposal of Products			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
Month	S		*
Fortnight	S		*
Disposal Code	S		*
Destination	A	20	
Percentage	N		

1.3.9 Match Code and Lookup Tables Structure

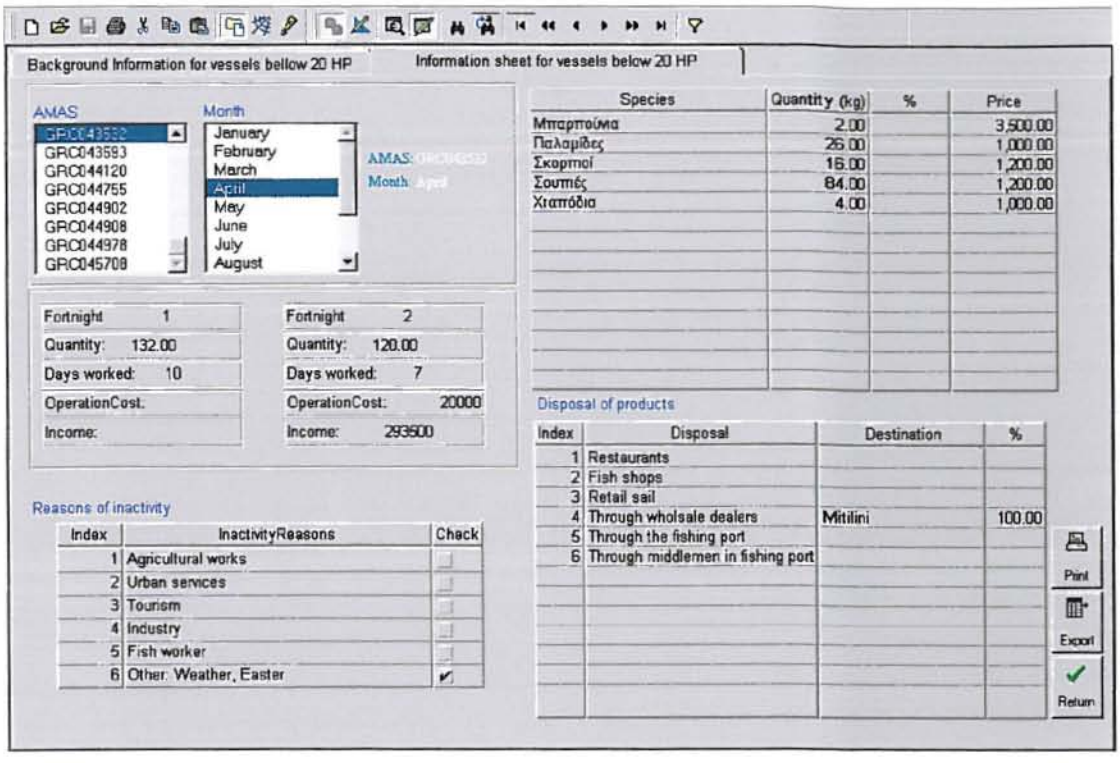
The structure of the table : Species_List			
Field Name	**Type**	**Size**	**Key**
CommonName	A	30	*
EnglishCommonName	A	30	
SpeciesCode	A	5	
LinkCode	A	5	
StdCode	A	3	

The structure of the table: Sampled_Fishing_Fleet			
Field Name	**Type**	**Size**	**Key**
AMAS	A	9	*
VesselName	A	30	
HP	N		
GRT	N		
Length	N		
GPS	L		
Radar	L		
VHF	L		
ImportDate	D		
RetiredDate	D		
ASU	A	3	

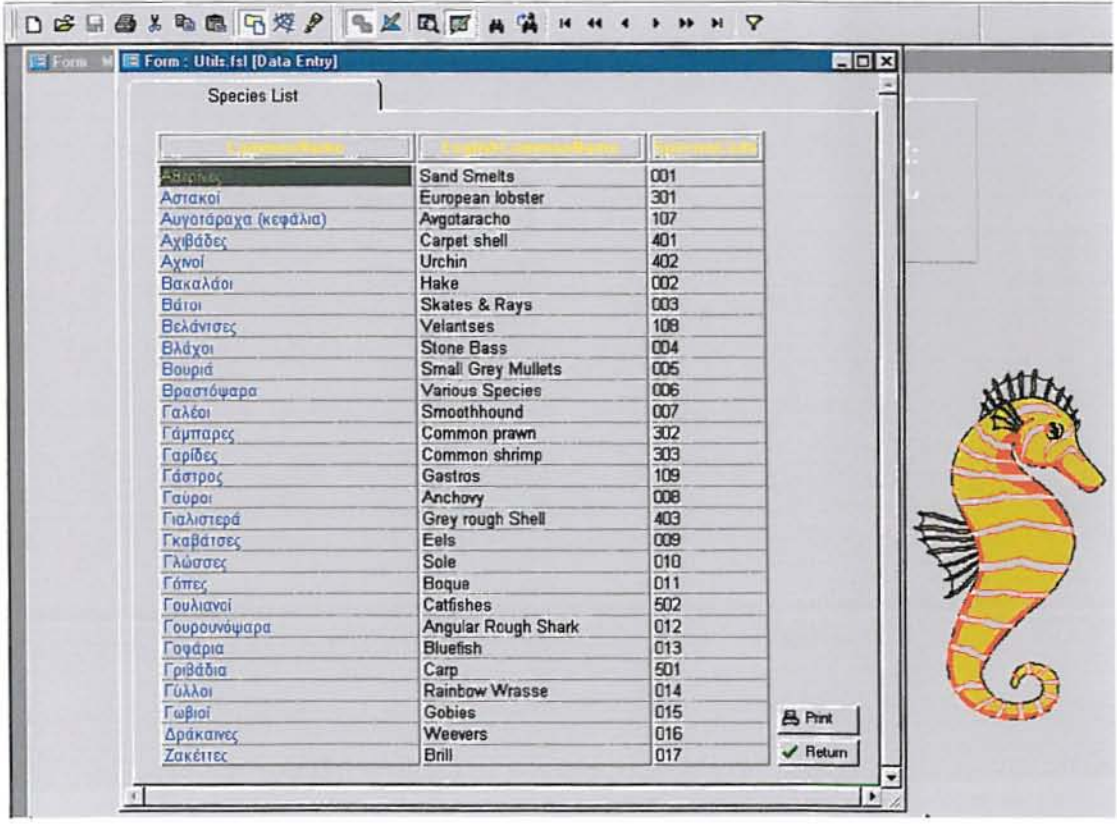
The structure of the table : Census88			
Field Name	**Type**	**Size**	**Key**
AMAS	A	3	*
Status	A	12	
Country	A	3	
Flag	A	3	
Niologio	A	14	
VesselName	A	40	
Harbour	A	3	
IntCall	A	7	
External	A	14	

VesselType	A	6	
Gear1	A	6	
Gear2	A	6	
Gear3	A	6	
Length1	S		
Length2	S		
Length3	S		
GRT1	I		
GRT2	I		
GRT3	I		
HP1	N		
HP2	N		
MachineType	A	1	
Material	A	1	
Crew	S		
ConstrYear	A	4	
ActiveDate	A	8	
FirstDate	A	8	
ProgCategory	A	3	
ConstrCountry	A	3	
SourceCountry	A	3	
ExportCountry	A	3	
PreviousAct	A	3	
DateOfIssue	A	8	
YearOfIssue	A	4	
Zone1	A	8	
OtherAct	A	3	
DestroyType	A	3	
Zone2	A	8	
Zone3	A	8	

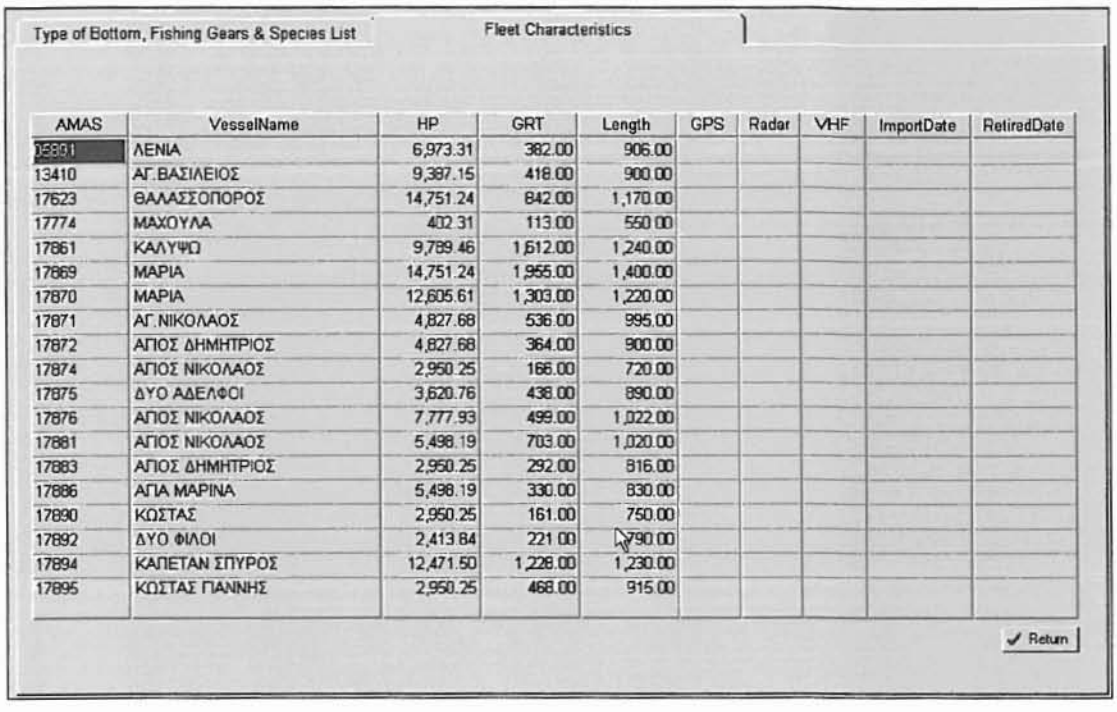
1.4.3 The Monthly Recording, Fortnight Info, Species Composition, Reason of Inactivity and Disposal of Products Form



1.4.4 The Species List Form



1.4.5 The Fleet Characteristics Form



AMAS	VesselName	HP	GRT	Length	GPS	Radar	VHF	ImportDate	RetiradDate
05891	ΛΕΝΙΑ	6,973.31	382.00	906.00					
13410	ΑΓ.ΒΑΣΙΛΕΙΟΣ	9,387.15	418.00	900.00					
17623	ΘΑΛΑΣΣΟΠΟΡΟΣ	14,751.24	842.00	1,170.00					
17774	ΜΑΧΟΥΛΑ	402.31	113.00	550.00					
17861	ΚΑΛΥΨΩ	9,789.46	1,612.00	1,240.00					
17869	ΜΑΡΙΑ	14,751.24	1,955.00	1,400.00					
17870	ΜΑΡΙΑ	12,605.61	1,303.00	1,220.00					
17871	ΑΓ.ΝΙΚΟΛΑΟΣ	4,827.68	536.00	995.00					
17872	ΑΠΟΣ ΔΗΜΗΤΡΙΟΣ	4,827.68	364.00	900.00					
17874	ΑΠΟΣ ΝΙΚΟΛΑΟΣ	2,950.25	166.00	720.00					
17875	ΔΥΟ ΑΔΕΛΦΟΙ	3,620.76	438.00	890.00					
17876	ΑΠΟΣ ΝΙΚΟΛΑΟΣ	7,777.93	499.00	1,022.00					
17881	ΑΠΟΣ ΝΙΚΟΛΑΟΣ	5,498.19	703.00	1,020.00					
17883	ΑΠΟΣ ΔΗΜΗΤΡΙΟΣ	2,950.25	292.00	816.00					
17886	ΑΓΙΑ ΜΑΡΙΝΑ	5,498.19	330.00	830.00					
17890	ΚΩΣΤΑΣ	2,950.25	161.00	750.00					
17892	ΔΥΟ ΦΙΛΟΙ	2,413.84	221.00	790.00					
17894	ΚΑΠΕΤΑΝ ΣΠΥΡΟΣ	12,471.50	1,228.00	1,230.00					
17895	ΚΩΣΤΑΣ ΓΙΑΝΝΗΣ	2,950.25	468.00	915.00					

1.5 Navigation and Function Keys

Navigation and selection keys

This table shows the keys you can use to navigate with when you are looking at data in forms and tables. Make sure Num Lock is off when you use Alt in combination with a keypad key. Field view and non-field-view keys are listed.

Key	Non-field view	Field view
PgUp	Up one set of records	Up one set of records
Ctrl+PgUp	Left one screen	Left one screen
PgDn	Down one set of records	Down one set of records
Ctrl+PgDn	Right one screen	Right one screen
Home	First field of record	Beginning of field
Shift+Home	Select to first field of record	Select to beginning of field
Ctrl+Home	First field of first record	First field of first record
Alt+Home	First field of record	First field of record
End	Last field of record	End of field
Shift+End	Select to last field of record	Select to end of field
Ctrl+End	Last field of last record	Last field of last record
Alt+End	Last field of record	Last field of record
←	Left one field	Left one character
Shift ←	Select left one field	Select left one character
Ctrl ←	First column	Left one word
Ctrl+Shift ←	Select to first field of record	Extend selection left one word
Alt ←	Left one field	Left one field
→	Right one field	Right one character
Shift →	Select right one field	Select right one character
Ctrl →	Last column	Right one word
Ctrl+Shift →	Select to last field of record	Extend selection right one word
Alt →	Right one field	Right one field
↑	Up one field	Up one line in multi-line field or up one record in single-line field
Shift ↑	Select up one field	Select up one line within multi-line field or up one record in single-line field
Alt ↑	Up one field	Up one field
↓	Down one field	Down one line within multi-line field or down one record in single-line field
Shift ↓	Select down one field	Select down one line within multi-line field or down one record in single-line field
Alt ↓	Down one field	Down one field

Table operation shortcuts

Key	Action
Alt+Backspace	Undo
Ctrl+A	Locate Next
Ctrl+D	Ditto (repeat value in same field in record above)
Ctrl+F	Field View (same as F2)
Ctrl+G	Change grid properties
Ctrl+H	Change heading properties
Ctrl+Ins	Copy to the clipboard
Ctrl+Shift+H	Change properties for all headings
Ctrl+L	Lock the current record

Ctrl+Shift+L	Post record
Ctrl+M	Change field properties
Ctrl+Shift+M	Change properties for all fields
Ctrl+R	Rotate columns
Ctrl+T	Memo View
Ctrl+Z	Locate value
Ctrl+Shift+Z	Locate and replace
Del	Clear or delete (as appropriate)
Shift+Del	Cut to the clipboard
Shift+Ins	Paste from the clipboard
Spacebar	Enter current date, time, or both in date, time, or timestamp fields. You must press the Spacebar for each part of the field's format.

Form window shortcuts

Key	Action
Ctrl+A	Locate next
Ctrl+D	Ditto (repeat the value in same field from the previous record)
Ctrl+F	Field View
Ctrl+Ins	Copy to the clipboard
Ctrl+L	Lock the current record
Ctrl+Shift+L	Post changes made to the current record
Ctrl+R	Rotate columns (on table frame)
Ctrl+T	Memo View
Ctrl+Z	Locate Value
Ctrl+Shift+Z	Locate and replace
Del	Clear or delete (as appropriate)
Shift+Del	Cut to the clipboard
Shift+Ins	Paste from the clipboard

Edit mode keys

Key	Action
Ins	Insert record
Shift+Ins	Paste (same as Edit|Paste)
Ctrl+Ins	Copy (same as Edit|Copy)
Del	Delete selected text (same as Edit|Delete)
Shift+Del	Cut (same as Edit|Cut)
Ctrl+Del	Delete record
Backspace	Delete character to the left or delete selected text
Ctrl+Backspace	Delete word to left
Alt+Backspace	Undo record edit (same as Edit|Undo)
Esc	Undo field edit
Tab	Post value and move to next field
Shift+Tab	Post value and move to previous field
Enter	Post value and move to next field
Ctrl+Spacebar	Lookup Help (if defined.)
Ctrl+Shift+Spacebar	Move Help (if applicable).

Function keys in tables

Key	Action
F1	Displays Help for the Table window..
F2	Field View

Shift+F2	Memo View
Ctrl+F2	Persistent Field View
Ctrl+F3	Refresh data
F5	Lock record
Shift+F5	Post record
Ctrl+F5	Post/Keep Lock
F6	View current field's right-click menu
Shift+F6	View penetrating properties
F7	Quick form
Shift+F7	Quick report
Ctrl+F7	Quick chart
F9	Edit/End edit
F10	View Menu
Shift+F10	View current field's right click menu
F11	Previous record
Shift+F11	Previous set
Ctrl+F11	First record
F12	Next record
Shift+F12	Next set
Ctrl+F12	Last record

Function keys in forms

Key	Action
F1	Displays Help
F2	Field View
Shift+F2	Memo View (& OLE)
Ctrl+F2	Persistent Field View
F3	Super Back Tab
Ctrl-F3	Refresh data
Shift+F3	Previous Page
F4	Super Tab
Shift+F4	Next Page
F5	Lock record
Shift+F5	Post record
Ctrl+F5	Post/Keep Lock
F6	View current object's right-click menu
Shift+F6	Penetrating properties (Design window)
F7	Table View
F8	Design Form/View Data toggle
F9	Edit/End Edit
F10	Menu
Shift+F10	View current object's right-click menu
F11	Previous record
Ctrl+F11	First record
Shift+F11	Previous set
F12	Next record
Ctrl+F12	Last record
Shift+F12	Next set
Ctrl+Spacebar	Object Explorer (Design window)
Alt+Spacebar	View current object's property sheet.

Function keys in queries

Key	Action
F1	Displays Help
F2	Field View

Ctrl+F2	Persistent Field View
F3	Moves to the previous table image
F4	Moves to the next table image
F5	Tells Paradox that you are about to define an Example element
F6	Check/uncheck toggle . The check type (Check or CheckPlus) is specified on the Query page of the Preferences dialog. If pressed when in the column on the far left, F6 will check/uncheck all fields in the table.
Shift+F6	Cycle checks , , , and
F8	Run query
F10	Menu

Terminology

composite key
A key comprised of two or more fields of a Paradox table which, together, provide a unique value for the table.

data integrity
The assurance that only valid data can be entered in a field and that links between common fields in separate tables cannot be broken; supported by validity checks and referential integrity.

data type
The kind of data a field can contain.
Paradox data types are alpha, number, money, short, long integer, BCD, date, time, timestamp, memo, formatted memo, graphic, OLE, logical, autoincrement, binary, and bytes.

dependent tables
Tables that depend on the current table for referential integrity.

detail table
In multi-table relationships, the table whose records are subordinate to those of the master table. In a data model, the detail table is the one being pointed to by another table.

field
A column of information in a table. A collection of related fields makes up one record.

field type
The type of data a field can contain.
Paradox data types are alpha, number, money, short, long integer, BCD, date, time, timestamp, memo, formatted memo, graphic, OLE, logical, autoincrement, binary, and bytes.
dBASE data types are character, float, number, date, logical, memo, OLE, and binary.

index
A file that determines an order in which Paradox can access the records in a table. A Paradox table's key establishes its primary index.

key
A field or group of fields in a Paradox table used to order records or ensure referential integrity. Establishing a key has three effects:

The table is prevented from containing duplicate records.
The records are maintained in sorted order based on the key fields.
A primary index is created for the table.

link
To establish a relationship between tables by linking corresponding fields.

lookup table
A table that assures that a value entered in one table matches an existing value in another table.

master table
In a multi-table relationship, the primary table of your data model. If you have only one table in your data model, that table is the master table. In a multi-table data model, the master table is the one pointing to another table.

multi-value relationship
A multi-value relationship exists between tables if, for every record in one table, no records, one record, or more than one record from another table is related to it. In a data model, a multi-value relationship is indicated by this symbol .

normalized data structure
An arrangement of data in tables in which each record includes the fewest number of fields necessary to establish unique categories. Rather than using a few redundant fields to provide all possible information within a single table, normalized tables distribute information over many tables using fewer fields. Normalized tables provide more flexibility in terms of analysis.

primary index
An index on the key fields of a Paradox table. A primary index

Determines the location of records
Lets you use the table as the detail in a link
Keeps records in sorted order
Speeds up operations

query
A way to retrieve data from your tables.

query by example (QBE)
The method of retrieving data by providing an example of what you are looking for.

record
A horizontal row in a Paradox table that contains a group of related fields of data.

referential integrity
A way of ensuring that the ties between like data in separate tables cannot be broken.

SQL

Structured Query Language (abbreviated SQL and commonly pronounced "sequel"). The standard language for storing and manipulating data in relational databases.

APPENDIX III

Project summary information for collaborators and interviewees (in Greek)

ΠΑΡΑΚΤΙΑ ΑΛΙΕΙΑ ΠΟΥ ΔΙΕΝΕΡΓΕΙΤΑΙ ΜΕ ΣΚΑΦΗ ΚΑΤΩ ΤΩΝ 20 ΙΠΠΩΝ ΣΤΗΝ ΕΛΛΑΔΑ – ΤΟ ΒΙΟΛΟΓΙΚΟ, ΟΙΚΟΝΟΜΙΚΟ ΚΑΙ ΚΟΙΝΩΝΙΚΟ ΠΛΑΙΣΙΟ

Αρ. Προγράμματος 97/0051

ΠΛΗΡΟΦΟΡΙΕΣ ΥΠΟΔΟΜΗΣ

Από πλευράς αριθμού σκαφών, η Ελλάδα διαθέτει το μεγαλύτερο αλιευτικό στόλο από όλες τις χώρες της Κοινότητας. Σύμφωνα με στοιχεία της Ευρωπαϊκής Ένωσης, ο Ελληνικός αλιευτικός στόλος αριθμεί περίπου 21.000 σκάφη. Ακολουθεί σε μέγεθος ο Ισπανικός στόλος με 20.000 σκάφη, ο Ιταλικός με 16.500 σκάφη και ο Πορτογαλικός με 14.000 σκάφη. Όλοι οι άλλοι εθνικοί στόλοι της Κοινότητας αριθμούν λιγότερα από 11.000 σκάφη.

Από πλευράς μεγέθους, χωρητικότητας και ιπποδύναμης σκαφών, ωστόσο, ο Ελληνικός αλιευτικός στόλος υπολείπεται σημαντικά από αυτούς των άλλων Κοινοτικών στόλων. Για παράδειγμα, η συνολική χωρητικότητα του Ελληνικού στόλου είναι μόλις 115.000 κόροι, σε σύγκριση με τους 625.000 κόρους του Ισπανικού στόλου και τους 270.000 κόρους του Ιταλικού στόλου. Αντίστοιχα, η συνολική ιπποδύναμη του Ελληνικού στόλου είναι 690.000 Kw σε σύγκριση με τα 1.900.000 Kw του Ισπανικού στόλου και τα 1.500.000 Kw του Ιταλικού στόλου. Είναι χαρακτηριστικό ότι τα 21.000 Ελληνικά αλιευτικά σκάφη έχουν σαν σύνολο μία χωρητικότητα που είναι ελαφρώς μόνο υψηλότερη από τα σκάφη του στόλου της Δανίας.

Γίνεται φανερό ότι ο Ελληνικός αλιευτικός στόλος, αν και υπερέχει αριθμητικά από τους στόλους των άλλων χωρών της Κοινότητας, αποτελείται από μικρά και μικρής αλιευτικής ικανότητας σκάφη. Στη διαμόρφωση αυτών των χαρακτηριστικών του στόλου έπαιξαν σημαντικό ρόλο τόσο οι ιδιαίτερες βιολογικές και γεωμορφολογικές συνθήκες των Ελληνικών θαλασσών, όσο και οι επικρατούσες κοινωνικο-οικονομικές δομές. Οι πρώτες επηρρέασαν κυρίως το μέγεθος και την τυπολογία των σκαφών. Συγκεκριμμένα, η μικρή ιχθυοπαραγωγική δυνατότητα των Ελληνικών νερών, η πολύ στενή υφαλοκρηπίδα, η ύπαρξη μεγάλων βαθών, η βραχώδης φύση του βυθού στις περισσότερες περιοχές, και η μεγάλη ακτογραμμή, δεν ευνοούν τη διενέργεια αλιείας με μεγάλα και υψηλού λειτουργικού κόστους σκάφη ανοικτής θάλασσας, τα οποία απαιτούν εκτεταμένα και πλούσια σε ψάρια αλιευτικά πεδία ή/και ομαλούς βυθούς που είναι κατάλληλοι γιά συρόμενα αλιευτικά εργαλεία. Αντίθετα, οι συνθήκες αυτές ευνοούν την αλιεία με μικρά και μικρού λειτουργικού κόστους παράκτια σκάφη. Άλλωστε, η παράκτια αλιεία αποτελεί τον κορμό της Ελληνικής αλιείας, καθώς καταλαμβάνει πάνω από το 95 % του Ελληνικού στόλου.

Οι κοινωνικο-οικονομικές δομές επηρρέασαν κυρίως το μέγεθος του στόλου. Σε πολλές περιοχές της Ελλάδας ο γεωργικός κλήρος είναι μικρός και οι δυνατότητες επαγγελματικής απασχόλησης είναι περιορισμένες. Αυτό ισχύει κυρίως για πολλά βραχώδη και άνυδρα νησιά του Αιγαίου όπου οι καλλιεργήσιμες γεωργικές εκτάσεις είναι μικρές και οι εναλλακτικές ευκαιρίες απασχόλησης σε άλλους οικονομικούς τομείς

(βιομηχανία, τουρισμός, υπηρεσίες, κλπ.) είναι ανύπαρκτες ή ισχυρά εποχιακές. Η ύπαρξη οργανωμένων Κοινοτήτων σε πολλά από αυτά τα άγονα νησιά, και σε άλλες προβληματικές περιοχές της χώρας, οφείλεται εν μέρει στην αλιεία, και εν μέρει στην κτηνοτροφία και στη ναυτιλία. Ακόμα και στις περιοχές που αναπτύχθηκε ο τουρισμός, είναι οι δραστηριότητες αυτές που διατηρούν τους πληθυσμούς στον τόπο τους και κρατούν ζωντανές τις Κοινότητες κατά τη μακρά μη τουριστική περίοδο. Χαρακτηριστικό παράδειγμα είναι η Κάλυμνος, που είναι ένας βραχότοπος. Χωρίς τις δυνατότητες που προσφέρει η αλιεία, η Κοινότητα της Καλύμνου θα είχε από καιρό ερημωθεί.

Για όλους τους παραπάνω λόγους η παράκτια αλιεία έχει μία ιδιαίτερη κοινωνική σημασία για τη χώρα μας. Μπορεί να πει κανείς ότι σε πολλές απομακρυσμένες και προβληματικές περιοχές η αλιεία αποτελούσε πάντα την «ασφαλιστική δικλείδα» της ανεργίας, Πράγματι, σε περιόδους οικονομικής κρίσης, ένας ακτήμονας μπορούσε με σχετικά μικρό κόστος να αποκτήσει ένα μικρό σκάφος και να θρέψει τον εαυτό του και την οικογένειά του.

Ωστόσο, η αλιεία σήμερα, τόσο η Ελληνική όσο και η Ευρωπαϊκή, διέρχεται μία κρίση. Η κρίση οφείλεται στην υπεραλίευση, που είναι αποτέλεσμα της υπέρμετρης ανάπτυξης των αλιευτικών στόλων και των υψηλών αλιευτικών δυνατοτήτων που προσφέρει η σύγχρονη αλιευτική τεχνολογία. Για να προστατευθούν οι βιολογικοί πόροι από την εξάντληση και για να διατηρηθεί η βιωσιμότητα των αλιευτικών στόλων πάρθηκε σε επίπεδο ΕΕ η πολιτική απόφαση να εισαχθεί ένα πακέτο μέτρων που περιλαμβάνει πιό αυστηρά μέτρα αλιευτικής διαχείρισης και την ελάττωση της δυναμικότητας των στόλων με (προσωρινές ή οριστικές) αποσύρσεις σκαφών. Το πακέτο αυτό των μέτων, όσο και αν διακιολογείται από τη βιολογική άποψη, θα περιορίσει τις αλιευτικές δυνατότητες και θα οξύνει τα οικονομικά και κοινωνικά προβλήματα του κλάδου της αλιείας. Για να αμβλυνθούν οι κοινωνικο-οικονομικές συνέπειες των μέτρων, το πακέτο αυτό συνοδεύεται από μία δέσμη «κοινωνικών» μέτρων που επιχειρούν να αντισταθμίσουν τις απώλειες εισοδήματος και θέσεων εργασίας. Οι δύο βασικές κατεθύνσεις των κοινωνικών μέτρων είναι η οικονομική ανακούφιση των θιγόμενων ψαράδων και η στήριξη των παράκτιων Κοινοτήτων που εξαρτώνται ισχυρά από την αλιεία, όπως για παράδειγμα με την ανάπτυξη εναλλακτικών οικονομικών δραστηριοτήτων που δημιουργούν νέες θέσεις εργασίας.

Ο ΠΡΟΒΛΗΜΑΤΙΣΜΟΣ ΤΗΣ ΠΑΡΟΥΣΑΣ ΕΡΕΥΝΑΣ

Η βάση για οποιοδήποτε προγραμματισμό της δυναμικότητας του στόλου και των αναπόφευκτων αναδιαρθρώσεων που επιβάλλονται από την ανάγκη για εισαγωγή ορθολογισμού στην αλιευτική διαχείριση είναι η καλή στατιστική πληροφόρηση. Ενδιαφέρει ιδιαίτερα να γνωρίζουμε όλα τα τεχνικά, οικονομικά, βιολογικά και κοινωνικά μεγέθη όλων των κλάδων αλιείας ώστε να προβλεφθεί πως θα επηρρεασθεί μακροπρόθεσμα η παραγωγή, το εισόδημα και η απασχόληση σε κάθε κλάδο και να εξακριβωθεί ποιά αντισταθμιστικά μέτρα είναι τα πιό ενδεδειγμένα.

Ατυχώς, η στατιστική πληροφόρηση που υπάρχει για ένα μεγάλο τμήμα του Ελληνικού αλιευτικού στόλου είναι ανεπαρκής. Το επίσημο στατιστικό σύστημα της χώρας παρακολουθεί και καταγράφει σε μηνιαία βάση τα μεγέθη που σχετίζονται με τα σκάφη που έχουν ιπποδύναμη μεγαλύτερη από 20 ίππους. Για τα σκάφη κάτω των 20 ίππων δεν

γίνεται στατιστική έρευνα. Η μοναδική πηγή πληροφόρηρησης είναι τα δελτία απογραφής που συμπληρώνουν μία φορά το χρόνο οι γραμματείς παράκτιων Δήμων και Κοινοτήτων γιά όλους τους τομείς αγροτικής δραστηριότητας, ανάμεσα στις οποίες είναι και η αλιεία. Στα δελτία αυτά αναφέρονται εκτιμήσεις για τον αριθμό των εργασθέντων σκαφών στα όρια του Δήμου ή της Κοινότητας και για τον αριθμό των απασχοληθέντων ψαράδων κατά τον προηγούμενο χρόνο. Αναπόφευκτα, υπάρχουν πολλά λάθη που συνδέονται με τον τρόπο αυτό υπολογισμού μεγεθών σε βαθμό που οι μετρήσεις να αντιπροσωπεύουν χονδρικές προσεγγίσεις, στην καλύτερη περίπτωση. Επι πλέον, πολλές σημαντικές παράμετροι της δραστηριότητας των σκαφών δεν καταγτάφονται. Είναι ενδεικτικό ότι η παραγωγή που προέρχεται από το τμήμα αυτό του στόλου δεν μετρείται, αλλά υπολογίζεται με την υπόθεση ότι κάθε σκάφος παράγει δύο τόνους ψαριών ετησίως.

Η σημασία αυτού του τμήματος του στόλου δεν πρέπει να υποεκτιμηθεί. Σύμφωνα με στοιχεία που προέκυψαν κατά την παρούσα έρευνα για το έτος 1998, ο αριθμός των σκαφών με ιπποδύναμη κάτω από 20 ίππους αντιπροσωπεύει το 59,8 % του Ελληνικού αλιευτικού στόλου, αν και το τμήμα αυτό του στόλου συμμετέχει στη χωρητικότητα και ιπποδύναμη του Ελληνικού στόλου μόνο κατά 12.7 και 13.2 % αντίστοιχα. Όσο αφορά την απασχόληση, οι εργαζόμενοι στα σκάφη με ιπποδύναμη κάτω των 20 ίππων είναι πάνω από 19.000 άτομα, συμμετέχοντας κατά 45,8 % στην συνολική απασχόληση του αλιευτικού τομέα. Δεδομένου ότι μία θέση εργασίας στη θάλασσα δημιουργεί τουλάχιστον μία θέση εργασίας στην ξηρά (καρνάγια, εξοπλισμός, προμήθεια πάγου και τελάρων, συντήρηση εργαλείων, αρμάτωμα διχτυών, εμπορία, κλπ.), γίνεται φανερή η ιδιαίτερη κοινωνική σημασία του τμήματος αυτού του αλιευτικού στόλου, ιδίως σε ορισμένες περιοχές της χώρας (Κυκλάδες, Δωδεκάνησος, Λέσβος, Αιτωλοακαρνανία, κλπ.).

Αν και το τμήμα του στόλου που αποτελείται από σκάφη κάτω των 20 ίππων επηρρεάζεται σημαντικά από τα μέτρα αναδιάρθρωσης, το κοινωνικο-οικονομικό του υπόβαθρο παραμένει μία ελάχιστα διερευνημένη περιοχή. Πέρα του ότι ο κλάδος αυτός βρίσκεται κάτω από πτωχή στατιστική κάλυψη, έχει γίνει ελάχιστη έρευνα πάνω στα τεχνικά και παραγωγικά του χαρακτηριστικά, στη γεωγραφική του κατανομή, και στις συγκρούσεις και συνεργατικές του σχέσεις με τη γεωργία και άλλους τομείς της οικονομίας (π.χ. εναλλακτική ή συμπληρωματική απασχόληση των ψαράδων σε άλλα επαγγέλματα, ανταγωνισμός με άλλους τομείς επαγγελματικής δραστηριότητας). Έχοντας υπόψη ότι δράσεις αλιευτικής διαχείρισης συχνά αποτυγχάνουν αν δεν στηρίζονται σε σαφή γνώση των αλιευτικών παραμέτρων και αν δεν έχουν την συναίνεση των ψαράδων, προτάθηκε και εγκρίθηκε χρηματοδότητηση από την ΕΕ για ένα ερευνητικό πρόγραμμα που έχει σκοπό να διερευνήσει τις δραστηριότητες και το σύμπλοκο των κοινωνικο-οικονομικών παραμέτρων του κλάδου αυτού αλιείας, ώστε να εξαχθούν συμπεράσματα πολιτικής σημασίας και προτάσεις για ενέργειες κοινωνικού χαρακτήρα από πλευράς ΕΕ.

ΠΕΡΙΓΡΑΦΗ ΤΟΥ ΠΡΟΓΡΑΜΜΑΤΟΣ

Το πρόγραμμα έχει αναληφθεί από το "NIREUS consultants" και το ΕΚΘΕ και έχει διάρκεια δύο χρόνων (έχει ήδη συμπληρωθεί ο πρώτος χρόνος). Περιλαμβάνεται επίσης η συνεργασία της Αγροτικής Τράπεζας, η οποία έχει δημιουργήσει ένα πανεθνικό δίκτυο

συλλογής αγροτικών δεδομένων, το οποίο αξιοποιείται για τους σκοπούς του προγράμματος.

Συνοπτικά, το πρόγραμμα έχει δύο στόχους. Ο πρώτος είναι να αποκτηθεί σφαιρική πληροφόρηση για όλη τη χώρα όσο αφορά το μέγεθος, τη γεωγραφική κατανομή και τα τεχνικά χαρακτηριστικά του στόλου "κάτω των 20 ίππων" με τη συγκέντρωση, αξιολόγηση και διαταύρωση πληροφοριών από διάφορες πηγές. Ο δεύτερος στόχος είναι να αποκτηθεί λεπτομερής πρωτογενής πληροφόρηση από έναν ορισμένο αριθμό λιμανιών που είναι αντιπροσωπευτικά περιοχών με διαφορετικά παραγωγικά χαρακτηριστικά και κοινωνικο-οικονομικές συνθήκες. Για το σκοπό αυτό επιλέχθηκαν δέκα λιμάνια, και σε κάθε ένα από αυτά επιλέχθηκε ένας αριθμός σκαφών, που οι δραστηριότητές τους παρακολουθούνται για ένα διάστημα δώδεκα μηνών. Συγκεκριμμένα, καταγράφονται ο αριθμός αλιευτικών εξόδων και οι ημέρες εργασίας, τα αλιευτικά εργαλεία, η ημερήσια παραγωγή κατά σκάφος, η απασχόληση σε εναλλακτικές εργασίες και διάφορα οικονομικά μεγέθη. Η συγκεντρωτική αξιοποίηση των πληροφοριών που συλλέγονται μετά το πέρας της έρευνας πεδίου θα επιτρέψει να αποκτήσουμε μία καλύτερη εικόνα του κοινωνικά ευαίσθητου αυτού κλάδου αλιείας.

APPENDIX IV

Presentation & Evaluation of the existing sources of national fisheries statistical information

IV.1. Identification of sources of information

IV.1.A. The National Statistical Service of Greece (NSSG).

This is the official state authority for the collection and compilation of statistical data from various fields of the national economy, fisheries included. For obtaining fisheries data, the NSSG uses a nation-wide data collection system and conducts four independent statistical surveys, each of which focuses on a particular segment of the sector:

Marine Fisheries Survey for Motorised Vessels. This is a census-type survey conducted on a monthly basis and covers the activities of marine fishing vessels operating in Greek waters, with an engine power 20 HP or higher. The following parameters are being investigated: fleet characteristics (number, engine power and tonnage of vessels), production (volume and value) and employment. For the recording of the data, fishermen are asked to fill-in a questionnaire regarding the quantity of the catch (by species), of the previous month, the fishing area, the personnel employed and the number of working days. The questionnaires are delivered to the local custom offices. The custom offices do not undertake any analysis, and submit the questionnaires to the NSSG for processing.

Annual Agricultural – Livestock Survey. This is a yearly census type survey addresses to various branches of the agricultural economy. As regards fisheries, it covers the segment of the fleet which consists of vessels below 20 HP. In fact, there are two surveys conducted, both at an annual basis, the one covering the fisheries operated by motorised vessels below 20 HP, and the other covering the fisheries operated by rowing vessels (including boats with out-board engines). Items investigated are the number of operational vessels, the number of fishermen and the quantities of fisheries products landed during the previous year. Information is collected from the secretariats of the coastal municipalities and communities who are asked once a year to fill-in relevant statistical questionnaires referring to the items of interest.

Overseas Fisheries Survey. This is a monthly survey addressed to vessels operating beyond the limits of the Mediterranean Sea. The survey is based on a census methodology and uses a

directly reporting approach (fishing companies report directly to the NSSG for data on production and employment).

IV.1.B. The Agricultural Bank of Greece (ABG).

The Agricultural Bank of Greece (ABG) is a national financial institution specialised in agricultural activities. For the collection of information that would facilitate financing decisions, ABG has established a data-recording network in various sectors of the agricultural economy, including fisheries.

The methodology of this system has been designed according to the requirements of its credit programme and examines the following parameters: fishing fleet and equipment, production, labour force and fishing effort. The surveys are conducted on an annual basis by the branch offices of ABG. They are inquiries addressed to relevant authorities, organisations and individual fishermen, and lead to assessments of the studied magnitudes. The results are tabulated by branch, by prefecture, by geographical department and finally for the whole country. It is noteworthy that ABG is the only independent institution that collects data not only from the fisheries but from the aquaculture sector too.

IV.1.C. The Fisheries Development Company (ETANAL).

ETANAL is a non-profit organisation under state control. Its main activity is the management of the ten national fish-landing-sites where auctions are carried out. Legislation requires ETANAL to collect statistics on the landings transacted through the landing sites, and has therefore established a system of monitoring the quantities and value of fsheries products appearing in the invoices, clearance documents and dispatching notes which accompany the trading operations. These are mostly products of the trawl and purse-seine fishery. Very rarely products of the coastal fishery are brought to the fishing ports for auctioning, as these are usually marketed through other channels.

IV.1.D. The Ministry of Agriculture (MA).

The Ministry of Agriculture, in co-operation to the NSSG, conducts periodical surveys on specific subjects to cover the required service statistical needs in the fields of management

and long-term planning of fisheries policies. Particularly regarding fleet and employment statistics, a specific census survey was conducted in 1988. This was an ad-hoc survey that covered all professional fishing vessels under Greek flag, motorised or non-motorised, and collected information on the number, construction characteristics, fishing typology, engine power, tonnage and registration port of vessels and the personnel employed. These data were utilised to construct a national registry of professional fishing vessels which is updated at regular time intervals by monitoring the constructions, withdrawals and modifications of vessels.

IV.1.E. Relevance of the available data-sets to the present investigation

It appears that only two bodies collect and process data concerning the "under 20 HP" segment of the fleet: The first is the NSSG. Of direct interest to the present investigation is the 'Annual Agricultural – Livestock Survey' which provides information on the numbers of vessels under 20 HP, the fishermen involved and their products. Also of some interest, though for purposes of comparison only, is the 'Sea Fisheries Survey for Motorised Vessels'.

The second entity is the MA. The MA has conducted the 'Fishing Fleet Census `88 Survey', and in co-operation with the NSSG, keeps the current registry of fishing vessels. The registry provides information on the number, engine power, tonnage and capacity and technical characteristics of all vessels of the Greek fishing fleet, and also on their crew number. In the context of the present investigation, the registry data can be utilised to estimate all magnitudes which relate to the "under 20" portion of the fleet.

None of the other surveys provide any data of relevance to the scopes of the present investigation. The data of the NSSG's 'Overseas Fisheries Survey' have no direct relevance due to the obvious differences in the engine power. Those of the Agricultural Bank of Greece refer to the whole of the fleet and do not provide separate information on aspects related to large and small vessels. The data of ETANAL refer to landings transacted through the fishing ports, regardless of the number and typology of vessels from which the landings have originated.

IV.2. Evaluation of the quality of existing statistical information

The methodological approaches of the three types of surveys described earlier provide information of relatively little use for the present study. The reason for this is that the methodologies employed have developed independently of one another, hence have led to the formation of a complex structure of statistical data which are not mutually comparable. The output of these reflect the different statistical objectives and the means available, thus exhibiting significant differences in their accuracy and reliability, resulting in most cases at mere 'guestimates'.

Another reason is that none of these surveys records data on the production aspect of the under 20 HP segment of the fleet, and although the second survey does provide production statistics, the figures are based on a correlation of the size of the fleet and on an assumption that each boat yields about 2 tons annually (based on production estimates from the period 1964-1970 !!).

In conclusion, there is no official body recording -or estimating in a reliable manner- the production of the under 20 HP segment of the national fleet.

In more detail, the most important deficiencies and limitations of these surveys are summarised below:

1. The Sea Fisheries Survey by Motorised Vessels is based on a bulky census method (as opposed to a sampling method) with all its associated problems and defects. Amongst the various defects of the system the following are the most important:
   - Memory errors resulting from the length of the reference period (one calendar month)
   - Probability of provision of distorted answers by the fishermen
   - Inappropriate survey procedures (lack of field supervision and standardisation of the work, lack of training of the staff of the custom offices, no intervention of this staff in the surveys)
   - Biased processing operations (absence of quality control systems or error-checking techniques, other than visual inspection of the questionnaires)
   - Poor coverage of fishing effort and economic and social aspects

- High number of non-respondents that is not equally distributed among the various sectors of the fleet.

2. The Annual Agricultural – Livestock Survey is not really a statistical inquiry, but rather a subjective method for obtaining gross estimates of aspects not covered by the Sea Fisheries Survey by Motorised Vessels. The quality of the statistics produced is very poor. The results are rough approximations, at best. Because of that the procedures followed have introduced errors in the vessel enumeration and allow many duplications and omissions. The most important drawbacks of this method are:
   - the production is not directly measured, but it is estimated by multiplying the number of vessels by an assumed annual catch per vessel (2 tons/vessel/year). This figure, refers to the motorised vessels with an engine power below 20 HP only. The figure was set up in 1970 and has not been updated ever since. (For rowing marine fishing vessels and for vessels fishing in inland waters separate assessments of production are provided.)
   - insufficient monitoring and evaluation of important parameters (seasonallity, species caught, activity, etc.)
   - bias associated with the inexperience of the persons involved in data collection (secretariats of the coastal municipalities and communities).
   - subjectivity of the method used in data enumeration and the absence of error-checking processes other than manual editing, which in effect works towards ensuring consistency with the datasets of previous years.

   Moreover, the results are published 3-5 years after data collection, therefore by the time they are published they are already out of date.

3. The Fishing Fleet Census `88 Survey. The response bias rate of the estimates concerning the vessels' characteristics seems to be low and the coverage of the census in reference to the number and typology of vessels is satisfactory. For this reason the census provided a good approximation of the magnitudes of the fishing fleet and has allowed the establishment of a valid registry of fishing vessels. However, as has been proved through post-census investigations, the accuracy of some recorded aspects (e.g. construction and operational characteristics of vessels) is considered as relatively low.

APPENDIX V

The characteristics of the 'under 20 HP' segment of the fleet by gear type and prefecture (Registry data) Year 1998

Prefecture	Trawlers						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia							
Argolida							
Arkadia							
Chalkidiki							
Chania							
Chios							
Dodekanisos							
East Attiki							
Etolia and Akarnania							
Evia							
Evros							
Fokida							
Fthiotida							
Ilia							
Iraklio							
Kavala							
Kefalinia							
Kerkyra							
Korinthia							
Kyklades							
Lakonia							
Larisa							
Lasithi							
Lefkada							
Lesvos							
Magnisia							
Messinia							
Pieria							
Pireas	1	243	243	7.07	7.07	20	20
Preveza							
Rethymno							
Samos	1	0.44	0.44	4.02	4.02	2	2
Thesaloniki							
Thesprotia							
Viotia							
West Attiki							
Xanthi							
Zakynthos							
Total	**2**	**243.4**		**11.09**		**22**	

Prefecture	Beach seiners						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia	2	2.58	1.29	20.12	10.06	3	1.5
Argolida	4	16.04	4.01	58.6	14.65	12	3
Arkadia	2	5.06	2.53	29.56	14.78	5	2.5
Chalkidiki							
Chania							
Chios							
Dodekanisos	3	8.54	2.85	44.25	14.75	6	2
East Attiki							
Etolia and Akarnania	1	0.95	0.95	5.36	5.36	2	2
Evia	3	15.26	5.09	19.66	6.55	9	3
Evros							
Fokida	4	9.33	2.33	59	14.75	9	2.25
Fthiotida							
Ilia							
Iraklio							
Kavala							
Kefalinia	2	5.45	2.73	26.82	13.41	5	2.5
Kerkyra	7	14.84	2.12	79.12	11.3	18	2.57
Korinthia	1	1.8	1.8	9.39	9.39	2	2
Kyklades	1	1	1	14.75	14.75	2	2
Lakonia	1	1.83	1.83	14.75	14.75	2	2
Larisa							
Lasithi							
Lefkada	3	7.74	2.58	37.55	12.52	5	1.67
Lesvos	1	1.85	1.85	14.75	14.75	5	5
Magnisia	1	1.93	1.93	14.75	14.75	2	2
Messinia	1	2.53	2.53	16.09	16.09	3	3
Pieria							
Pireas	5	12.72	2.54	63.03	12.61	11	2.2
Preveza							
Rethymno							
Samos	3	11.15	3.72	30.84	10.28	8	2.67
Thesaloniki							
Thesprotia							
Viotia							
West Attiki	1	4.43	4.43	14.75	14.75	3	3
Xanthi							
Zakynthos							
Total	**46**	**125.03**		**573.14**		**112**	

Prefecture	Day purse seiners						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia							
Argolida							
Arkadia							
Chalkidiki							
Chania							
Chios							
Dodekanisos							
East Attiki							
Etolia and Akarnania							
Evia							
Evros							
Fokida							
Fthiotida	1	72.94	72.94	6.3	6.3	12	12
Ilia							
Iraklio							
Kavala							
Kefalinia	1	5.73	5.73	14.8	14.8	8	8
Kerkyra							
Korinthia							
Kyklades							
Lakonia							
Larisa							
Lasithi							
Lefkada							
Lesvos							
Magnisia							
Messinia							
Pieria							
Pireas							
Preveza							
Rethymno							
Samos							
Thesaloniki							
Thesprotia							
Viotia							
West Attiki							
Xanthi							
Zakynthos							
Total	**2**	**78.67**		**21.1**		**20**	

Prefecture	Garfish nets						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia	2	1.36	1.36	18.55	18.55	1	1
Argolida	1	0	0	14.75	14.75	2	2
Arkadia							
Chalkidiki	51	117.5	5.03	573.02	17.38	75	3.2
Chania	1	1.77	1.77	8.05	8.05	1	1
Chios	2	6.05	3.02	0.27	0.13		
Dodekanisos	4	4.51	1.84	59	29.5	6	2
East Attiki	1	2.39	2.39	14.75	14.75	3	3
Etolia and Akarnania	4	2.6	1.42	34.04	17.6	1	1
Evia	13	17.82	2.47	138.13	22.57	29	4.25
Evros	4	4.94	1.24	64.37	16.09	8	2
Fokida	20	20.21	2.06	185.89	16.62	29	2.87
Fthiotida	1	0.58	0.58	9.39	9.39	2	2
Ilia	2	1.48	0.74	13.41	6.71	4	2
Iraklio	1	4.22	4.22	14.75	14.75	9	9
Kavala	87	97.66	2.15	796.51	20.75	149	2.78
Kefalinia	2	1.04	1.04	14.75	14.75	5	5
Kerkyra	13	37.78	5.37	125.83	18.64	21	7
Korinthia	6	8.98	2.79	63.08	19.47	9	2.25
Kyklades	21	83.8	6.78	267.55	26.52	32	1.78
Lakonia							
Larisa	7	2.14	0.31	42.91	6.13	14	2
Lasithi							
Lefkada	1	1.49	1.49	12.07	12.07	1	1
Lesvos	74	108.79	2.76	712.98	18.19	187	5.43
Magnisia	15	17.16	1.14	203.84	13.59	26	1.73
Messinia							
Pieria	6	6.09	2.02	60.35	23.87	10	2.8
Pireas	22	47.11	2.14	302.27	13.74	51	2.32
Preveza	2	1.17	0.58	13.41	6.71	3	1.5
Rethymno							
Samos	4	7.24	1.81	46.94	11.73	8	2
Thesaloniki	8	13.83	3.15	89.9	24.84	10	1.67
Thesprotia							
Viotia	4	6.01	3	50.05	25.02	6	4
West Attiki	3	5.53	1.84	38.89	12.96	5	1.67
Xanthi	2	1.9	0.95	29.5	14.75	4	2
Zakynthos	6	7.75	1.29	15.37	2.56		
Total	**390**	**640.9**		**4034.57**		**711**	

Prefecture	Lines						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia	14	8.7	0.62	116.99	8.36	24	1.71
Argolida	7	6.68	0.95	61.15	8.74	11	1.57
Arkadia							
Chalkidiki	12	9	0.75	120.05	10	17	1.42
Chania							
Chios	53	66.42	1.25	606.14	11.44	83	1.57
Dodekanisos	64	80.64	1.26	612.85	9.58	75	1.17
East Attiki	6	8.77	1.46	60.35	10.06	8	1.33
Etolia and Akarnania	44	34.43	0.78	388.45	8.83	72	1.64
Evia	9	13.57	1.51	95.21	10.58	24	2.67
Evros	5	4.41	0.88	54.98	11	10	2
Fokida	13	11.95	0.92	109.96	8.46	22	1.69
Fthiotida	5	1.89	0.38	34.87	6.97	6	1.2
Ilia	9	4.92	0.55	71.07	7.9	10	1.11
Iraklio	2	2.81	1.41	26.82	13.41	3	1.5
Kavala	7	4.04	0.58	25.48	3.64	11	1.57
Kefalinia	11	7.81	0.71	72.42	6.58	13	1.18
Kerkyra	29	30.9	1.07	258.82	8.92	44	1.52
Korinthia	23	19.66	0.85	150.19	6.53	32	1.39
Kyklades	89	95.13	1.07	807.38	9.07	145	1.63
Lakonia	2	3.99	2	32.18	16.09	4	2
Larisa	2	0.59	0.29	4.02	2.01	2	1
Lasithi	7	13.81	1.97	76.44	10.92	9	1.29
Lefkada	3	2.5	0.83	36.21	12.07	6	2
Lesvos	33	30.26	0.92	320.99	9.73	60	1.82
Magnisia	37	29.83	0.81	248.09	6.71	51	1.38
Messinia	10	8.34	0.83	99.24	9.92	10	1
Pieria	1	1.24	1.24	9.39	9.39	1	1
Pireas	93	105.67	1.14	787.09	8.46	115	1.24
Preveza	35	30.09	0.86	278.93	7.97	60	1.71
Rethymno	1	0.83	0.83	2.68	2.68	1	1
Samos	32	35.88	1.12	269.84	8.43	35	1.09
Thesaloniki	33	36.4	1.1	332.56	10.08	50	1.52
Thesprotia							
Viotia	18	22.67	1.26	217.25	12.07	36	2
West Attiki	7	4.73	0.68	50.96	7.28	10	1.43
Xanthi	3	2.54	0.85	28.16	9.39	5	1.67
Zakynthos	3	4.14	1.38	25.48	8.49	6	2
Total	**722**	**745.24**		**6492.69**		**1071**	

Prefecture	Surface longlines						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia	6	38.63	6.44	54.98	9.16	10	1.67
Argolida	17	27.89	1.74	203.7	21.98	30	1.88
Arkadia	41	42.66	1.74	383.1	14.39	47	1.18
Chalkidiki	64	159.35	5.83	790.99	20.89	70	2.85
Chania	9	45.66	5.07	113.44	12.6	24	2.67
Chios	2	1.24	0.62	16.09	8.05	2	1
Dodekanisos	24	84.67	3.53	338.17	14.09	35	1.46
East Attiki	9	12.73	1.41	104.6	11.62	15	1.67
Etolia and Akarnania	56	64.41	3.68	477.19	21.59	74	1.4
Evia	20	17.11	0.86	180.6	9.03	31	1.55
Evros	17	30.99	3.81	225.04	27.45	28	2.55
Fokida	4	1.76	0.44	38.89	9.72	6	1.5
Fthiotida	253	211.23	0.83	2355.16	9.31	348	1.38
Ilia	30	34.46	1.15	293.25	9.78	43	1.43
Iraklio	44	71.05	3.97	572.03	25.82	131	3.05
Kavala	2	1.18	0.59	18.77	9.39	3	1.5
Kefalinia	10	14.93	3.31	94.17	11.88	27	3.38
Kerkyra	54	75.86	3.87	627.42	16.18	174	3.48
Korinthia	11	13.08	3.99	105.07	21.79	14	1.4
Kyklades	13	26.04	5.06	132.81	24.17	17	1.55
Lakonia	30	34.3	1.88	378.65	25.98	54	1.93
Larisa							
Lasithi	10	11.55	1.16	142.15	14.21	23	2.3
Lefkada	9	13.5	4.82	104.84	26.22	9	1.12
Lesvos	81	69.4	0.86	691.97	8.54	116	1.43
Magnisia	10	7.16	0.8	109.96	25.33	10	1.11
Messinia	95	143.89	3.74	1137.55	22.53	206	2.24
Pieria	6	4.75	0.79	50.96	8.49	8	1.33
Pireas	83	132.16	3.01	999.53	23.92	253	3.47
Preveza	27	29.02	2.51	206.79	8.39	39	2.94
Rethymno	5	2.99	1.2	73.76	29.5	8	2
Samos	11	19.75	3.48	108.21	16.56	15	2.14
Thesaloniki	3	2.15	0.72	34.87	11.62	4	1.33
Thesprotia	7	9.88	1.41	92.58	13.23	18	2.57
Viotia							
West Attiki	5	2.65	0.53	53.64	10.73	8	1.6
Xanthi	9	9.36	1.04	95.21	10.58	16	1.78
Zakynthos	33	43.03	3.18	307.74	13.57	53	1.96
Total	**1110**	**1510.47**		**11713.9**		**1969**	

Prefecture	Bottom longlines						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia	48	47.11	2.45	496.35	23.06	105	3.24
Argolida	286	332.22	3.01	2630.29	24.07	542	3.93
Arkadia	12	16.23	1.35	119.35	9.95	26	2.17
Chalkidiki	226	230.11	2.07	2293.13	21.41	353	2.84
Chania	202	260.78	4.42	1969.83	12.74	425	2.11
Chios	102	89.32	1.33	1000.78	18.73	116	1.16
Dodekanisos	322	474.12	4.04	3612.19	23.92	430	2.41
East Attiki	105	120.8	1.15	1165.35	11.1	209	1.99
Etolia and Akarnania	248	262.56	6.81	2238.8	21.39	356	2.46
Evia	759	778.92	2.43	6734.52	21.34	1011	3.68
Evros	23	32.6	2.28	297.81	27.58	57	2.71
Fokida	13	12.04	1.65	144.83	20.3	26	4
Fthiotida	80	68.88	1.62	856.86	20.03	137	3.06
Ilia	70	87.88	3.03	637.01	23.77	107	2.54
Iraklio	62	88.68	3.72	760.83	23.23	157	2.66
Kavala	91	97.91	2.57	833.85	19.06	144	2.99
Kefalinia	84	103.62	2.47	810.9	14.38	183	5.42
Kerkyra	56	57.83	2.28	436.21	22.47	110	2
Korinthia	37	33.69	1.43	336.65	20.39	53	1.51
Kyklades	293	407.42	4	3085.32	23.09	509	1.79
Lakonia	76	78.86	2.03	836.53	25.71	104	1.39
Larisa	25	13.28	2.06	155.65	21.12	42	2.71
Lasithi	50	68.66	3.12	595.71	20.92	115	2.61
Lefkada	254	263.26	1.04	2295.87	9.04	304	1.2
Lesvos	493	502.58	2.49	4710.34	18.37	1049	4.65
Magnisia	267	277.29	2.53	2387.21	20.5	392	3.49
Messinia	67	74.84	1.48	783.21	11.87	90	2.35
Pieria	70	44.14	1.03	745.46	16.75	98	2.43
Pireas	296	437.16	3.66	3055.46	20.69	463	2.64
Preveza	103	109.45	1.06	969.56	9.41	168	1.63
Rethymno	13	9.21	0.71	162.26	12.48	27	2.08
Samos	71	74.92	3.5	785.53	14.49	151	2.19
Thesaloniki	193	245.76	2.9	2142.82	24.99	313	2.84
Thesprotia							
Viotia	7	7.68	1.1	77.78	11.11	12	1.71
West Attiki	67	110.8	6.3	795.94	26.64	135	2.05
Xanthi	25	21.45	1.57	328.2	25.24	37	2.5
Zakynthos	76	69.81	3.86	762.67	29.65	101	1.35
Total	**5272**	**6011.87**		**52051.1**		**8657**	

Prefecture	Troll line						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia							
Argolida	1	0	0	14.75	14.75	4	4
Arkadia	1	1.09	1.09	14.75	14.75	1	1
Chalkidiki							
Chania							
Chios	12	11.33	0.94	96.55	8.05	13	1.08
Dodekanisos	11	8.34	0.76	94.92	8.63	15	1.36
East Attiki	7	8.68	1.24	65.71	9.39	10	1.43
Etolia and Akarnania	9	7.91	0.88	41.57	4.62	9	1.12
Evia	15	10.13	1.7	108.62	21.46	18	5
Evros	4	1.58	0.4	36.21	9.05	8	2
Fokida							
Fthiotida	6	3.42	0.57	40.23	6.71	9	1.5
Ilia	4	3.46	0.86	25.48	6.37	5	1.25
Iraklio	1	0.83	0.83	13.41	13.41	1	1
Kavala	3	0.91	0.54	13.41	10.06	3	2
Kefalinia	4	4.45	2.65	36.69	18.81	7	4.33
Kerkyra	1	1.51	1.51	14.75	14.75	1	1
Korinthia							
Kyklades	32	34.14	1.74	302.8	23.07	53	4.22
Lakonia	5	6.11	1.22	69.93	13.99	6	1.2
Larisa							
Lasithi	6	4.98	0.83	61.69	10.28	8	1.33
Lefkada							
Lesvos	28	24.96	1.82	269.12	14.72	57	2.11
Magnisia	77	81.08	1.05	662.46	8.6	108	1.4
Messinia							
Pieria	7	5.12	0.73	69.73	9.96	9	1.29
Pireas	102	112.01	1.1	907.42	8.9	130	1.27
Preveza	5	4.95	0.99	21.46	4.29	7	1.4
Rethymno							
Samos	6	3.37	0.56	32.18	5.36	8	1.33
Thesaloniki	6	4.82	0.8	38.03	6.34	11	1.83
Thesprotia							
Viotia							
West Attiki	13	15.6	1.2	108.62	8.36	22	1.69
Xanthi							
Zakynthos							
Total	**366**	**360.78**		**3160.49**		**523**	

Prefecture	Set nets						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia	121	114.69	0.95	1003.38	8.29	146	1.21
Argolida	107	137.06	3.24	975.06	20.81	175	3.48
Arkadia	21	17.65	0.84	150.19	7.15	26	1.24
Chalkidiki	21	31.01	5.55	191.83	14.93	31	3.42
Chania	62	74.89	3.32	611.4	24.48	115	1.92
Chios	242	246.58	1.02	2184.23	9.03	293	1.21
Dodekanisos	204	183.98	2.36	1761.79	23.41	265	2.31
East Attiki	51	57.99	2.93	488.13	22.9	65	1.3
Etolia and Akarnania	201	155.14	1.75	1623.94	21.41	279	2.4
Evia	36	52.18	2.09	389.37	11.12	46	2.29
Evros	80	97.46	1.22	952.18	11.9	174	2.17
Fokida	75	61.15	0.82	604.8	8.06	103	1.37
Fthiotida	32	29.42	0.92	255.53	7.99	47	1.47
Ilia	41	38.12	0.93	321.85	7.85	56	1.37
Iraklio	20	17.89	0.89	215.9	10.8	37	1.85
Kavala	23	14.99	1.9	162.26	24.02	33	3.41
Kefalinia	110	121.13	2.01	1010.18	18.57	155	2.42
Kerkyra	220	204.48	0.93	1935.63	8.8	348	1.58
Korinthia	29	33.8	2.28	285.64	21.84	38	3.29
Kyklades	311	305.69	3.38	2798.44	23.74	392	1.27
Lakonia	258	232.93	2.26	2392.81	21.09	318	2.24
Larisa	4	1.39	0.67	37.55	22.35	6	2.67
Lasithi	9	8.5	0.94	92.53	10.28	11	1.22
Lefkada	60	55.96	0.93	552.5	9.21	71	1.18
Lesvos	255	198.17	1.2	2131.61	12	476	3.38
Magnisia	175	167.86	2.92	1366.53	22.55	251	1.44
Messinia	77	57.1	1.25	695.99	16.46	101	2.32
Pieria	57	38.65	1.56	666.51	18.49	83	3.45
Pireas	243	380.33	3.04	2346.96	20.3	312	2.31
Preveza	371	314.09	0.85	2859.06	7.71	498	1.34
Rethymno	35	36.48	1.87	327.21	16.13	44	3.24
Samos	285	318.28	1.92	2466.34	8.8	384	1.35
Thesaloniki	108	143.09	3.09	1207.68	13.15	168	1.6
Thesprotia	41	46.38	2.8	517.07	20.49	46	2.44
Viotia	34	33.35	2.64	356.43	23.53	47	3.36
West Attiki	29	31.6	2.1	258.92	23.04	37	1.42
Xanthi	27	28.6	3.31	336.7	27.06	46	1.84
Zakynthos	29	24.98	0.86	211.88	7.31	37	1.28
Total	**4104**	**4113.04**		**36746**		**5760**	

Prefecture	Traps						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia							
Argolida	4	5.78	3.69	46.94	25.48	9	4.33
Arkadia							
Chalkidiki	4	11.91	2.98	59	14.75	4	1
Chania							
Chios	1	1.99	1.99	14.75	14.75	2	2
Dodekanisos	4	3.66	0.92	38.89	9.72	6	1.5
East Attiki							
Etolia and Akarnania							
Evia	1	1.03	1.03	10.73	10.73	1	1
Evros							
Fokida							
Fthiotida							
Ilia	1	0.62	0.62	5.36	5.36	1	1
Iraklio							
Kavala	2	1.24	0.62	21.51	10.75	4	2
Kefalinia	3	9.92	3.31	37.55	12.52	5	1.67
Kerkyra	1	0.85	0.85	6.71	6.71	1	1
Korinthia							
Kyklades							
Lakonia							
Larisa							
Lasithi							
Lefkada							
Lesvos	1	0.3	0.3	0	0	1	1
Magnisia	6	6.43	1.07	68.39	11.4	9	1.5
Messinia	2	1.93	0.96	14.75	7.38	2	1
Pieria							
Pireas	4	3.99	1	46.94	11.73	5	1.25
Preveza	2	2.06	1.03	12.07	6.03	3	1.5
Rethymno							
Samos							
Thesaloniki	7	4.91	1.25	50.96	16.32	14	4
Thesprotia							
Viotia							
West Attiki							
Xanthi							
Zakynthos							
Total	**43**	**56.62**		**434.55**		**67**	

Prefecture	Volkoi						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia							
Argolida	1	0	0	14.75	14.75	3	3
Arkadia							
Chalkidiki							
Chania							
Chios							
Dodekanisos							
East Attiki							
Etolia and Akarnania							
Evia							
Evros							
Fokida							
Fthiotida							
Ilia							
Iraklio							
Kavala	8	5.33	0.67	46.94	5.87	9	1.12
Kefalinia							
Kerkyra							
Korinthia							
Kyklades							
Lakonia							
Larisa							
Lasithi							
Lefkada							
Lesvos							
Magnisia							
Messinia							
Pieria	2	0.99	0.49	18.77	9.39	3	1.5
Pireas							
Preveza	3	1.96	0.65	29.5	9.83	3	1
Rethymno							
Samos							
Thesaloniki	1	0.76	0.76	18.77	18.77	2	2
Thesprotia							
Viotia							
West Attiki							
Xanthi	4	4.57	1.14	50.96	12.74	7	1.75
Zakynthos							
Total	**19**	**13.61**		**179.69**		**27**	

Prefecture	Argalios						
	Number	GRT	Avg_GRT	HP	Avg_HP	Crew	Avg_Crew
Achaia							
Argolida							
Arkadia							
Chalkidiki							
Chania							
Chios							
Dodekanisos							
East Attiki	1	3.09	3.09	14.75	14.75	2	2
Etolia and Akarnania							
Evia	1	0.82	0.82	12.07	12.07	1	1
Evros							
Fokida							
Fthiotida	2	1.98	0.99	17.27	8.64	4	2
Ilia							
Iraklio							
Kavala							
Kefalinia							
Kerkyra							
Korinthia							
Kyklades							
Lakonia							
Larisa							
Lasithi							
Lefkada							
Lesvos	5	4.87	0.97	46.94	9.39	9	1.8
Magnisia							
Messinia							
Pieria	1	0.77	0.77	5.36	5.36	1	1
Pireas							
Preveza	1	1.4	1.4	17.43	17.43	1	1
Rethymno							
Samos	1	0.85	0.85	6.71	6.71	1	1
Thesaloniki	1	0.3	0.3	0	0	1	1
Thesprotia							
Viotia							
West Attiki	1	0.76	0.76	13.41	13.41	1	1
Xanthi							
Zakynthos							
Total	**14**	**14.84**		**133.94**		**21**	

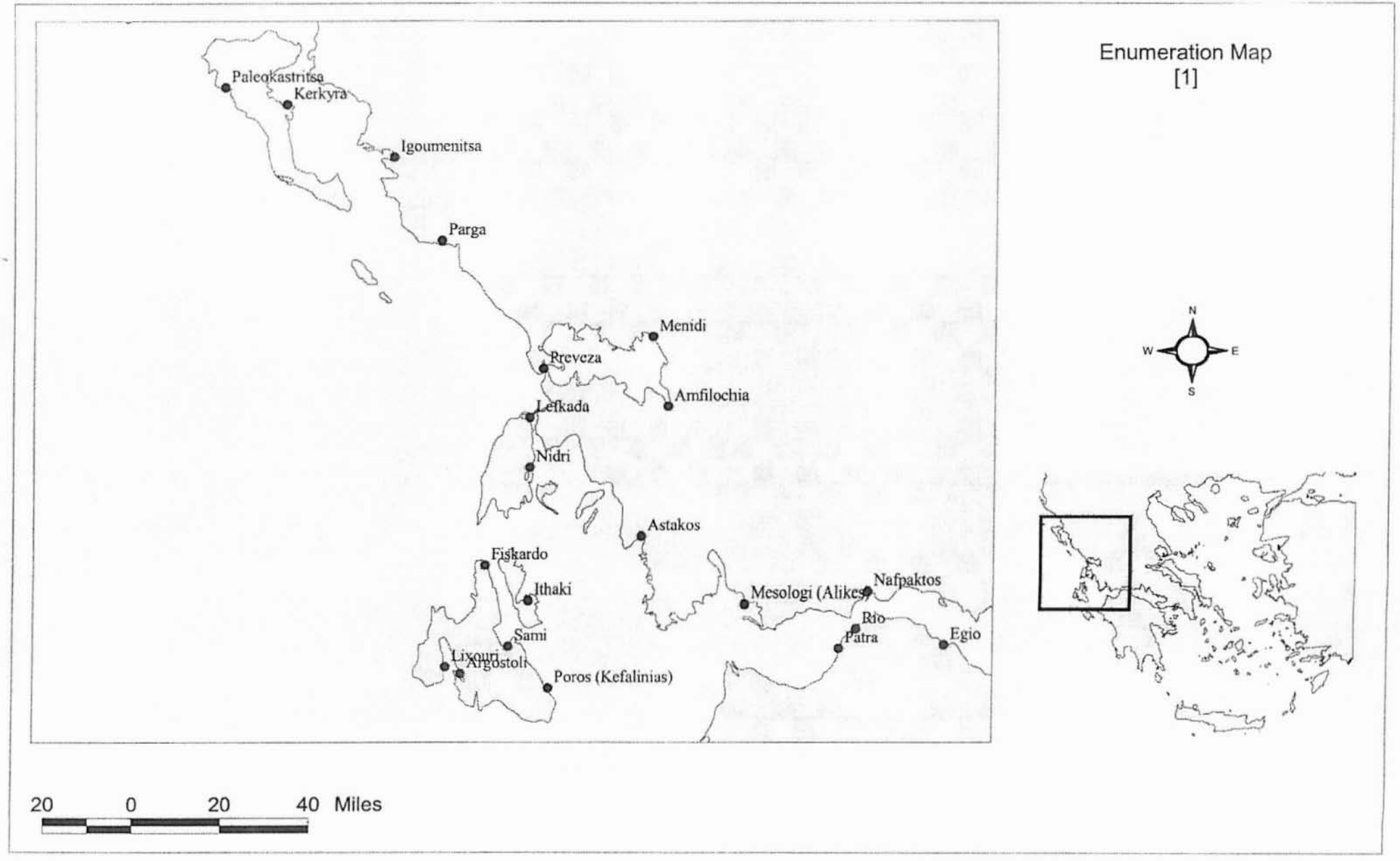
APPENDIX VI

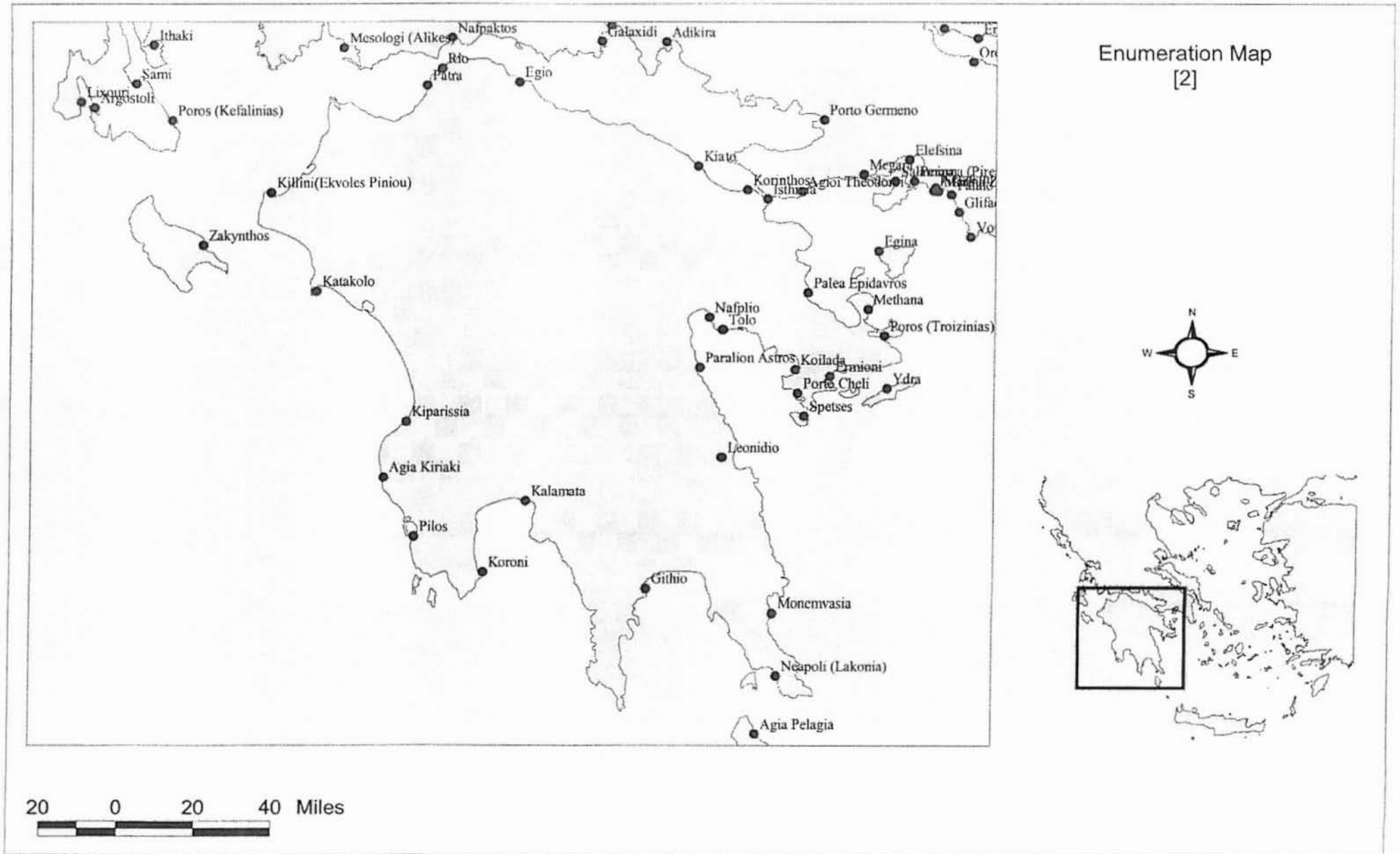
Number and characteristics of vessels 'under 20 HP' by registration port (Registry data)

Nomos	PortName	Number	GRT	Avg GRT	HP	Avg HP	Crew	Avg Crew
Achaia	Egio	65	80.81	1.24	651.68	10.03	100	1.56
	Patra	128	132.26	1.03	1058.68	8.27	189	1.48
Argolida	Ermioni	52	48.51	0.93	461.59	8.88	91	1.78
	Koilada	78	103.62	1.33	683.09	8.76	134	1.72
	Nafplio	191	239.64	1.25	1758.51	9.21	369	1.98
	Palea Epidavros	17	18.01	1.06	207.91	12.23	28	1.75
	Porto Cheli	61	83.04	1.36	567.36	9.30	103	1.75
	Tolo	29	32.85	1.13	341.53	11.78	63	2.17
Arkadia	Leonidio	55	50.03	0.91	466.73	8.49	73	1.33
	Paralion Astros	22	32.66	1.48	230.23	10.46	32	1.52
Chalkidiki	Dafni (Chalkidiki)	1	0.92	0.92	5.36	5.36	2	2.00
	Gerakini	13	7.06	0.54	107.28	8.25	18	1.38
	Ierissos	154	310.14	2.01	1703.26	11.06	196	1.35
	Nea Moudania (Chalkidiki)	131	123.40	0.94	1320.34	10.08	207	1.62
	Neos Marmaras (Porto Karra)	41	78.08	1.90	446.56	10.89	70	1.71
	Ouranoupoli	18	19.39	1.08	237.36	13.19	27	1.59
	Stratoni	20	19.89	0.99	207.86	10.39	30	1.50
Chania	Chania	209	318.80	1.53	2052.31	9.82	443	2.15
	Chora Sfakion	1	0.40	0.40	6.71	6.71	2	2.00
	Kissamos (Kasteli Chanion)	44	44.19	1.00	415.72	9.45	78	1.77
	Paleochora	19	19.40	1.02	227.97	12.00	41	2.16
	Souda	1	0.31	0.31	0.00	0.00	1	1.00
Chios	Chios	394	405.64	1.03	3736.44	9.48	486	1.25
	Inouses	20	17.29	0.86	182.38	9.12	23	1.15
Dodekanisos	Astipalea	9	6.34	0.70	96.55	10.73	10	1.11
	Kalimnos	160	338.07	2.11	1802.33	11.26	219	1.41
	Kardamena	2	0.00	0.00	21.46	10.73	2	1.00
	Karpathos	30	29.36	0.98	320.50	10.68	45	1.50
	Kasos (Fri)	30	31.05	1.04	260.69	8.69	49	1.69
	Kos	45	67.49	1.50	489.57	10.88	60	1.36
	Lakio	84	120.95	1.44	882.07	10.50	103	1.30
	Mandraki(Nisiros)	5	4.52	0.90	40.23	8.05	5	1.25
	Megisti (Kastelorizo)	12	12.96	1.08	113.99	9.50	13	1.08
	Patmos	71	57.02	0.80	525.68	7.40	83	1.17
	Rodos	139	153.26	1.10	1508.78	10.85	192	1.43
	Simi	54	57.84	1.07	543.11	10.06	67	1.24
East Attiki	Lavrio	55	74.22	1.35	588.71	10.70	116	2.11
	Limin Markopoulou	22	20.36	0.93	206.52	9.39	29	1.32
	Oropos	29	26.92	0.93	317.82	10.96	43	1.48
	Palea Fokea	21	19.44	0.93	187.74	8.94	32	1.52
	Rafina	53	73.51	1.39	612.85	11.56	92	1.77
Etolia and Akarnania	Agios Nikolaos	99	160.67	1.62	998.87	10.09	142	1.51
	Amfilochia	103	72.32	0.70	859.60	8.35	173	1.68
	Astakos	48	56.27	1.17	502.80	10.48	65	1.35
	Menidi	42	43.73	1.04	402.31	9.58	72	1.71
	Mesologi (Alikes)	231	157.03	0.68	1681.86	7.28	299	1.32
	Nafpaktos	58	50.90	0.88	456.44	7.87	64	1.19
Evia	Agiokabos	43	28.11	0.65	326.18	7.59	52	1.24
	Aliveri	29	31.34	1.08	311.26	10.73	40	1.54
	Chalkida	260	311.23	1.20	2419.53	9.31	337	1.32
	Edipsos	167	170.25	1.02	1284.70	7.69	266	1.59
	Eretria	41	49.98	1.22	342.18	8.35	43	1.08
	Karistos	33	47.03	1.43	348.84	10.57	40	1.29
	Kimasio (Madoudi)	25	13.81	0.55	182.43	7.30	30	1.20
	Kimi	59	68.04	1.15	591.48	10.03	88	1.49
	Limni (Evia)	5	5.23	1.05	56.32	11.26	11	2.20
	Marmari (Evia)	28	30.64	1.09	265.52	9.48	47	1.68
	Nea Stira	26	30.96	1.19	298.69	11.49	30	1.20
	Oreoi	63	48.98	0.78	530.86	8.43	83	1.32
	Petrili (Paralia Petrion)	24	22.15	0.92	192.07	8.00	31	1.29
	Skiros	41	44.40	1.08	447.50	10.91	54	1.32
	Vasilika (Evias)	14	8.01	0.57	106.09	7.58	20	1.43

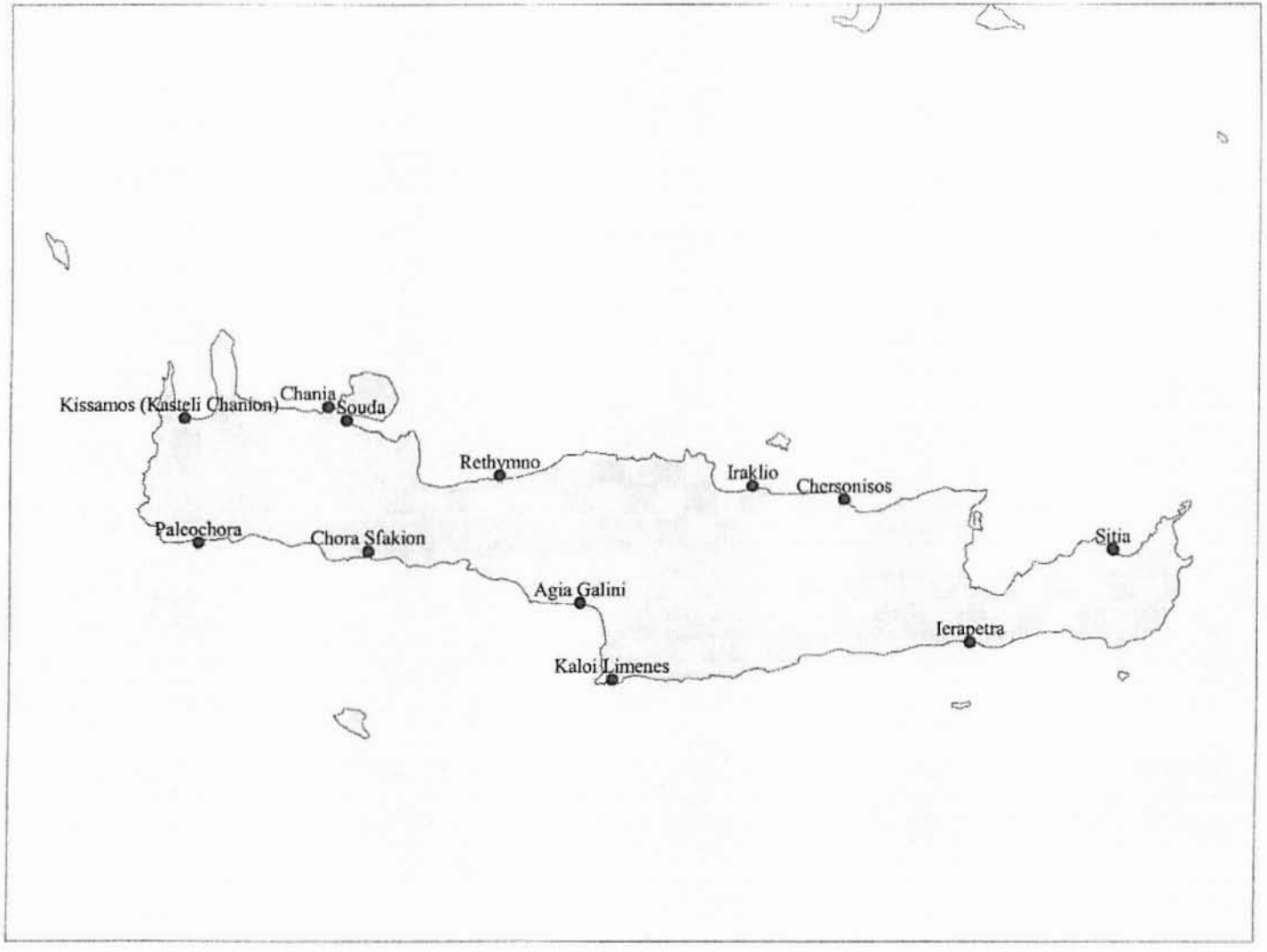
Nomos	PortName	Number	GRT	Avg GRT	HP	Avg HP	Crew	Avg Crew
Evros	Alexandroupoli	113	143.03	1.27	1394.46	12.34	237	2.19
	Samothraki	20	28.95	1.45	236.13	11.81	48	2.82
Fokida	Galaxidi	59	43.72	0.74	476.06	8.07	79	1.34
	Itea	70	72.72	1.04	667.32	9.53	116	1.66
Fthiotida	Agios Konstantinos	50	36.23	0.72	481.49	9.63	65	1.38
	Arkitsa	44	37.24	0.85	419.74	9.54	61	1.39
	Glifa (Fthiotidos)	38	23.63	0.62	286.98	7.55	42	1.11
	Larimna	60	51.78	0.86	659.78	11.00	111	1.85
	Stilida	188	241.46	1.28	1727.61	9.19	286	1.52
Ilia	Agia Kiriaki	75	81.00	1.08	604.83	8.06	95	1.27
	Katakolo	51	56.50	1.11	402.31	7.89	81	1.59
	Killini(Ekvoles Piniou)	13	11.85	0.91	121.60	9.35	23	1.77
	Palouki	18	21.59	1.20	238.70	13.26	27	1.50
Iraklio	Agia Pelagia	18	14.77	0.82	187.74	10.43	25	1.39
	Iraklio	105	159.76	1.52	1330.17	12.67	297	2.94
	Kaloi Limenes	7	10.95	1.56	85.83	12.26	16	2.29
Kavala	Kavala	114	141.56	1.24	1079.20	9.47	200	1.85
	Keramoti	32	25.13	0.79	265.52	8.30	55	1.72
	Limenaria (Thasou)	25	20.30	0.81	152.93	6.12	32	1.28
	Prinos	53	36.77	0.69	427.79	8.07	72	1.41
Kefalinia	Argostoli	53	63.08	1.19	469.75	8.86	99	1.94
	Ithaki	67	87.21	1.30	665.15	9.93	133	1.99
	Lixouri	58	63.77	1.10	609.49	10.51	102	1.85
	Poros (Kefalinias)	14	22.75	1.63	86.13	6.15	10	1.00
	Sami	36	37.75	1.05	287.76	7.99	65	1.91
Kerkyra	Gaios	31	35.41	1.14	258.82	8.35	60	1.94
	Kerkyra	351	389.11	1.11	3231.03	9.21	659	1.94
Korinthia	Isthmia	30	32.96	1.10	266.86	8.90	41	1.37
	Kiato	36	32.06	0.89	305.75	8.49	55	1.53
	Korinthos	42	46.24	1.10	381.43	9.08	53	1.43
Kyklades	Adamadas(Milos)	147	124.75	0.85	1172.54	7.98	186	1.28
	Andros	41	49.52	1.21	410.41	10.01	58	1.45
	Ermoupoli(Siros)	119	259.30	2.18	1303.62	10.95	196	1.69
	Gavrio	15	17.08	1.14	138.13	9.21	21	1.40
	Ios	6	8.22	1.37	56.32	9.39	8	1.33
	Kamares(Sifnos)	24	22.32	0.93	198.47	8.27	44	1.83
	Katapolla	8	7.31	0.91	64.82	8.10	14	1.75
	Kimolos	4	4.80	1.20	20.12	5.03	4	1.00
	Korrisia (Kea)	13	10.93	0.84	115.33	8.87	15	1.15
	Merichas (Kithnos)	9	13.94	1.55	77.78	8.64	15	1.67
	Mikonos	32	38.15	1.19	416.84	13.03	55	1.77
	Naxos	27	27.61	1.02	323.35	11.98	38	1.58
	Paros (Parikia)	138	186.55	1.35	1428.30	10.35	227	1.69
	Serifos	6	5.38	0.90	45.59	7.60	8	1.33
	Thira	116	133.37	1.15	1181.49	10.19	185	1.62
	Tinos	56	48.11	0.86	470.70	8.41	78	1.39
Lakonia	Githio	127	146.25	1.15	1391.98	10.96	175	1.39
	Monemvasia	28	31.08	1.11	321.85	11.49	36	1.33
	Neapoli (Lakonia)	217	180.69	0.83	2011.04	9.27	277	1.29
Larisa	Eleftheres (Larisa)	38	17.40	0.46	240.14	6.32	64	1.68
Lasithi	Ierapetra	31	37.52	1.21	430.47	13.89	62	2.00
	Sitia	51	69.98	1.37	538.04	10.55	104	2.31
Lefkada	Lefkada	285	292.07	1.02	2608.57	9.15	347	1.23
	Nidri	45	52.38	1.16	430.47	9.57	49	1.09
Lesvos	Mirina	204	216.25	1.06	1917.74	9.40	510	2.52
	Mithimna	51	36.87	0.72	486.52	9.54	67	1.43
	Mitilini	460	489.91	1.07	4229.88	9.20	876	2.28
	Moudros	39	36.62	0.94	320.62	8.22	95	2.57
	Perama (Geras Lesvou)	84	59.80	0.71	792.65	9.44	160	2.11
	Plomari	59	40.86	0.69	458.66	7.77	113	1.95
	Polichnitos	61	51.26	0.84	581.31	9.53	115	1.98
	Sigri	14	9.83	0.70	118.01	8.43	26	1.86

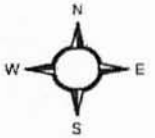
Nomos	PortName	Number	GRT	Avg GRT	HP	Avg HP	Crew	Avg Crew
Magnisia	Alonnisos	14	18.38	1.31	171.95	12.28	22	1.57
	Skiathos	73	92.29	1.26	611.53	8.38	92	1.35
	Skopelos	69	69.90	1.01	557.92	8.09	99	1.43
	Volos	433	408.92	0.94	3726.54	8.61	638	1.48
Messinia	Kalamata	150	180.48	1.20	1535.89	10.24	230	1.56
	Kiparissia	9	5.89	0.65	104.60	11.62	15	1.67
	Koroni	14	13.81	0.99	144.83	10.35	21	1.50
	Pilos	79	88.45	1.12	961.51	12.17	146	1.85
Pieria	Katerini	93	59.22	0.64	1028.44	11.06	133	1.45
	Platamonas	57	42.53	0.75	598.10	10.49	80	1.40
Pireas	Egina	187	227.89	1.22	1831.84	9.80	255	1.38
	Kapsali	33	35.65	1.08	355.37	10.77	65	2.03
	Methana	30	43.28	1.44	285.69	9.52	37	1.32
	Pireas	395	830.93	2.10	4087.78	10.35	720	1.92
	Poros (Troizinias)	73	104.84	1.44	629.89	8.63	100	1.39
	Salamina	15	20.75	1.38	122.03	8.14	21	1.40
	Spetses	66	135.74	2.06	672.54	10.19	85	1.31
	Ydra	56	84.01	1.50	607.05	10.84	85	1.52
Preveza	Parga	48	63.20	1.32	422.69	8.81	82	1.71
	Preveza	504	432.56	0.86	4011.00	7.96	704	1.40
Rethymno	Agia Galini	24	16.04	0.67	269.55	11.23	39	1.70
	Rethymno	30	33.47	1.12	296.37	9.88	41	1.37
Samos	Agios Kirikos	44	39.71	0.90	325.76	7.40	64	1.52
	Evdilos	44	40.85	0.93	304.41	6.92	62	1.41
	Fournoi	89	108.13	1.21	945.82	10.63	125	1.44
	Neo Karlovasi (Limin)	54	36.52	0.68	374.52	6.94	67	1.24
	Pithagorio	47	48.16	1.02	309.78	6.59	64	1.36
	Samos	136	198.51	1.46	1490.32	10.96	230	1.73
Thesaloniki	Nea Michaniona	63	63.51	1.01	589.46	9.36	107	1.73
	Stavros (Thessalonikis)	49	45.64	0.93	437.17	8.92	75	1.67
	Thessaloniki	249	346.51	1.39	2902.37	11.66	393	1.73
Thesprotia	Igoumenitsa	48	56.26	1.17	609.66	12.70	64	1.33
Viotia	Adikira	63	69.71	1.11	701.50	11.13	101	1.63
West Attiki	Elefsina	87	135.26	1.55	1039.45	11.95	158	1.90
	Megara	35	38.71	1.11	256.79	7.34	51	1.46
	Porto Germeno	6	4.93	0.82	65.71	10.95	16	2.67
Xanthi	Porto Lagos	70	68.42	0.98	868.74	12.41	115	1.69
Zakynthos	Zakynthos	147	149.71	1.02	1323.13	9.00	197	1.47


Enumeration Map
[1]
Paleokastritsa
Kerkyra
Igoumenitsa
Parga
Menidi
Preveza
Amfilochia
Lefkada
Nidri
Astakos
Fiskardo
Ithaki
Sami
Lixouri
Argostoli
Poros (Kefalinias)
Mesologi (Alikes)
Nafpaktos
Rio
Patra
Egio
N
W
E
S
20 0 20 40 Miles

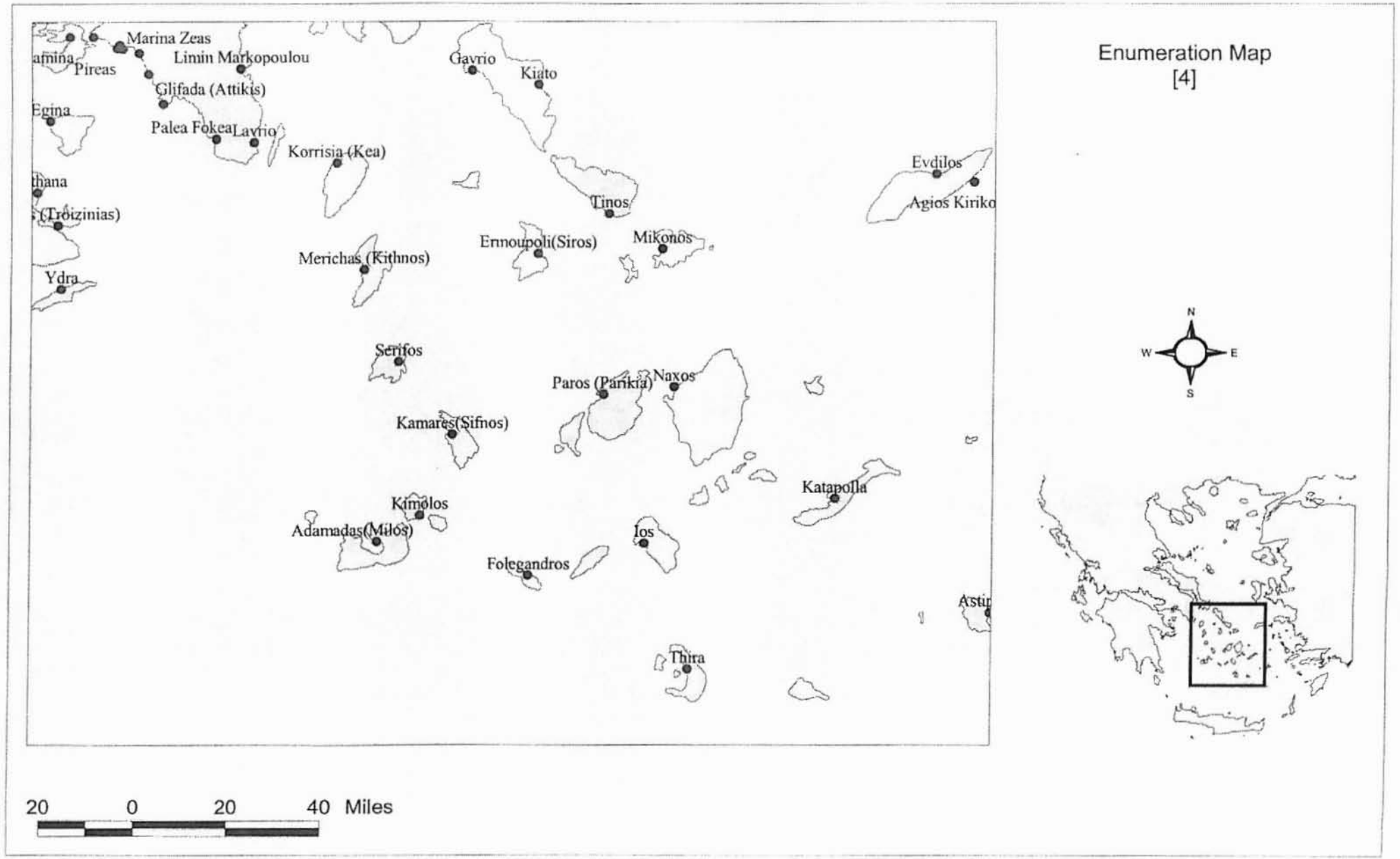

Enumeration Map
[2]
Ithaki
Mesologi (Aliker
Nafpaktos
Galaxidi
Adikira
Rio
Patra
Egio
Sami
Lixouri
Argostoli
Poros (Kefalinias)
Porto Germeno
Kiato
Elefsina
Korinthos
Isthmia
Agioi Theodori
Glifa
Kyllini(Ekvoles Piniou)
Zakynthos
Egina
Katakolo
Palea Epidavros
Methana
Nafplio
Tolo
Poros (Troizinias)
Paralion Astros
Koilada
Damioni
Porto Cheli
Ydra
Spetses
Kiparissia
Leonidio
Agia Kiriaki
Kalamata
Pilos
Koroni
Githio
Monemvasia
Neapoli (Lakonia)
Agia Pelagia
N
W
E
S
20 0 20 40 Miles

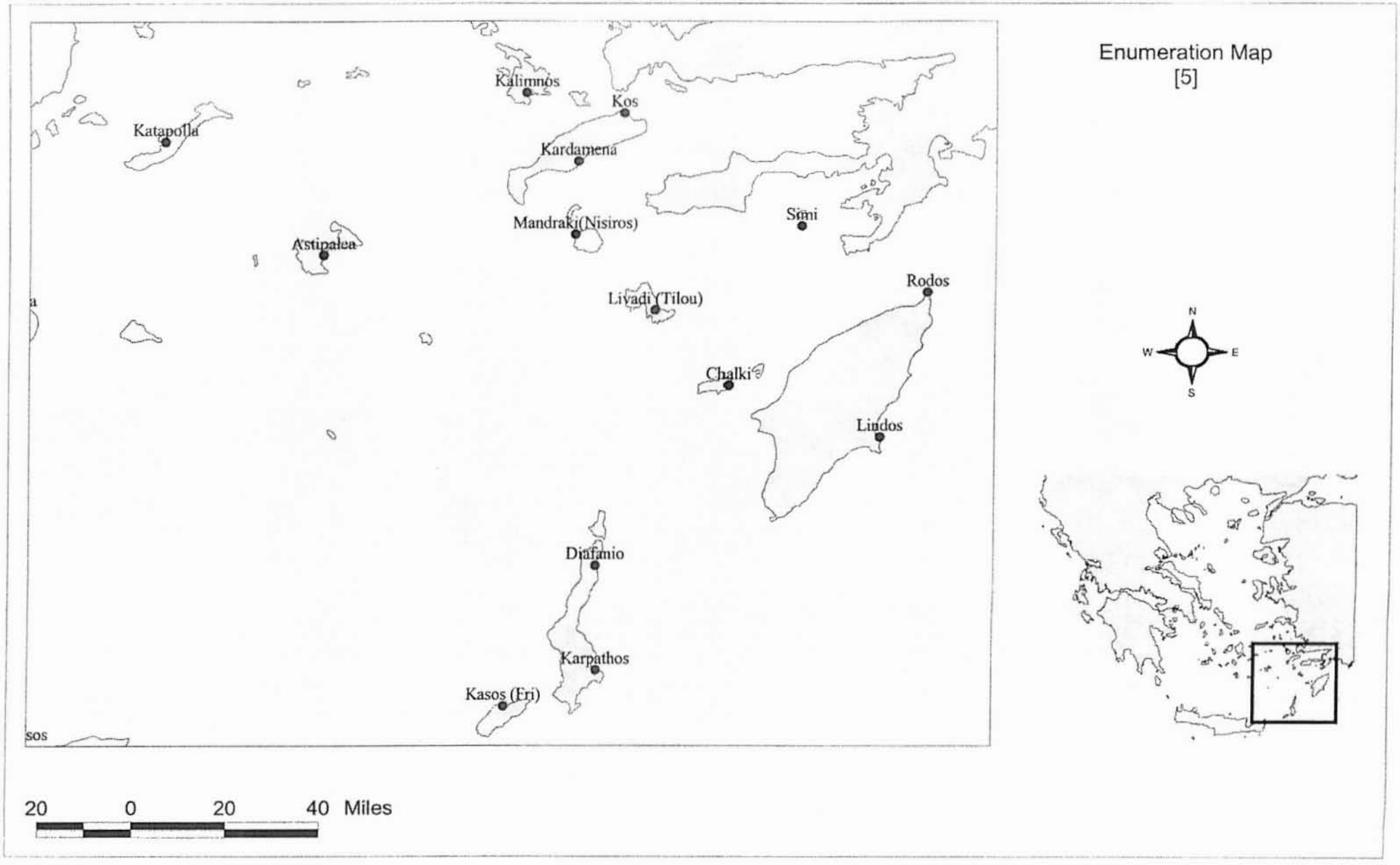
Enumeration Map
[3]

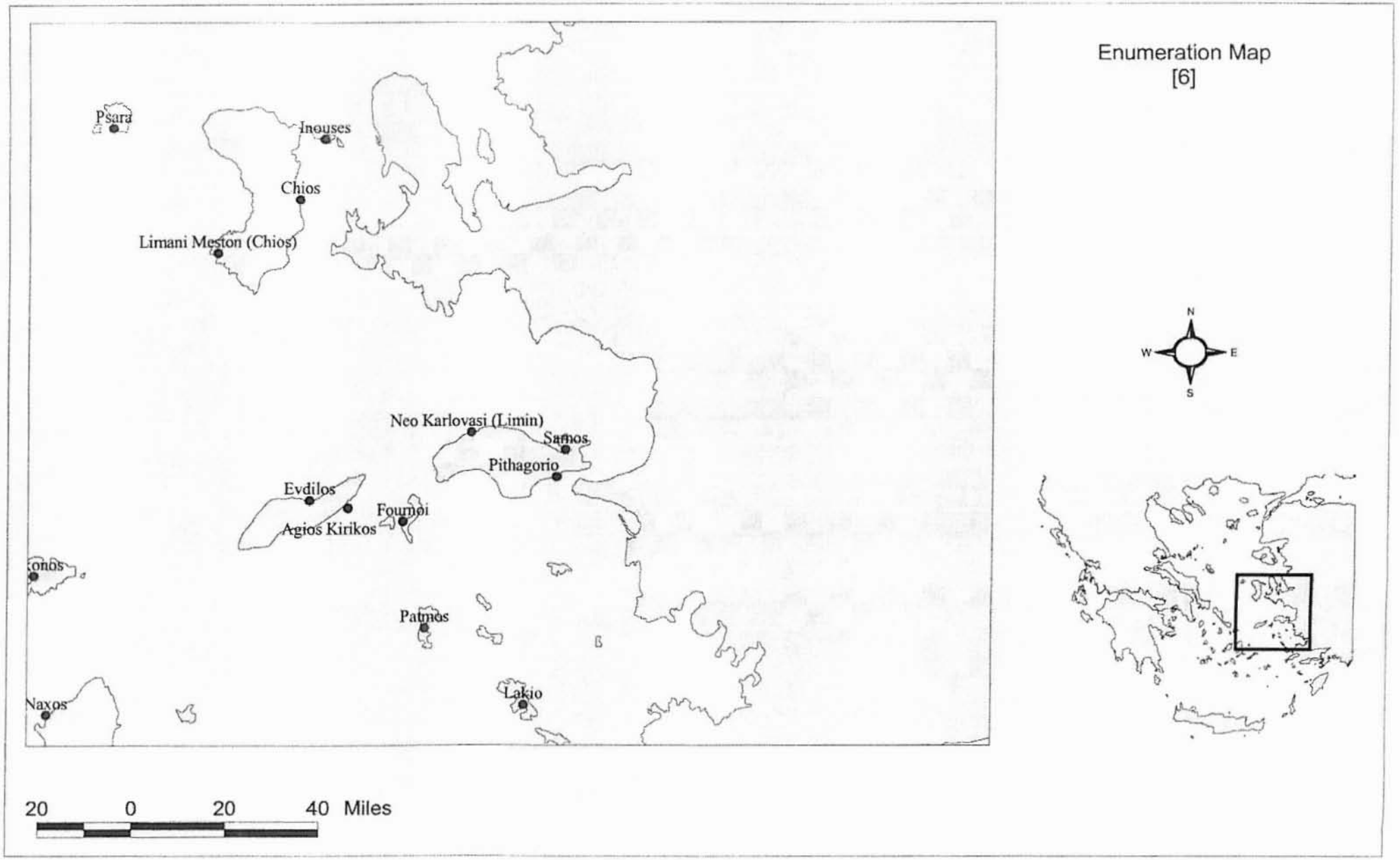


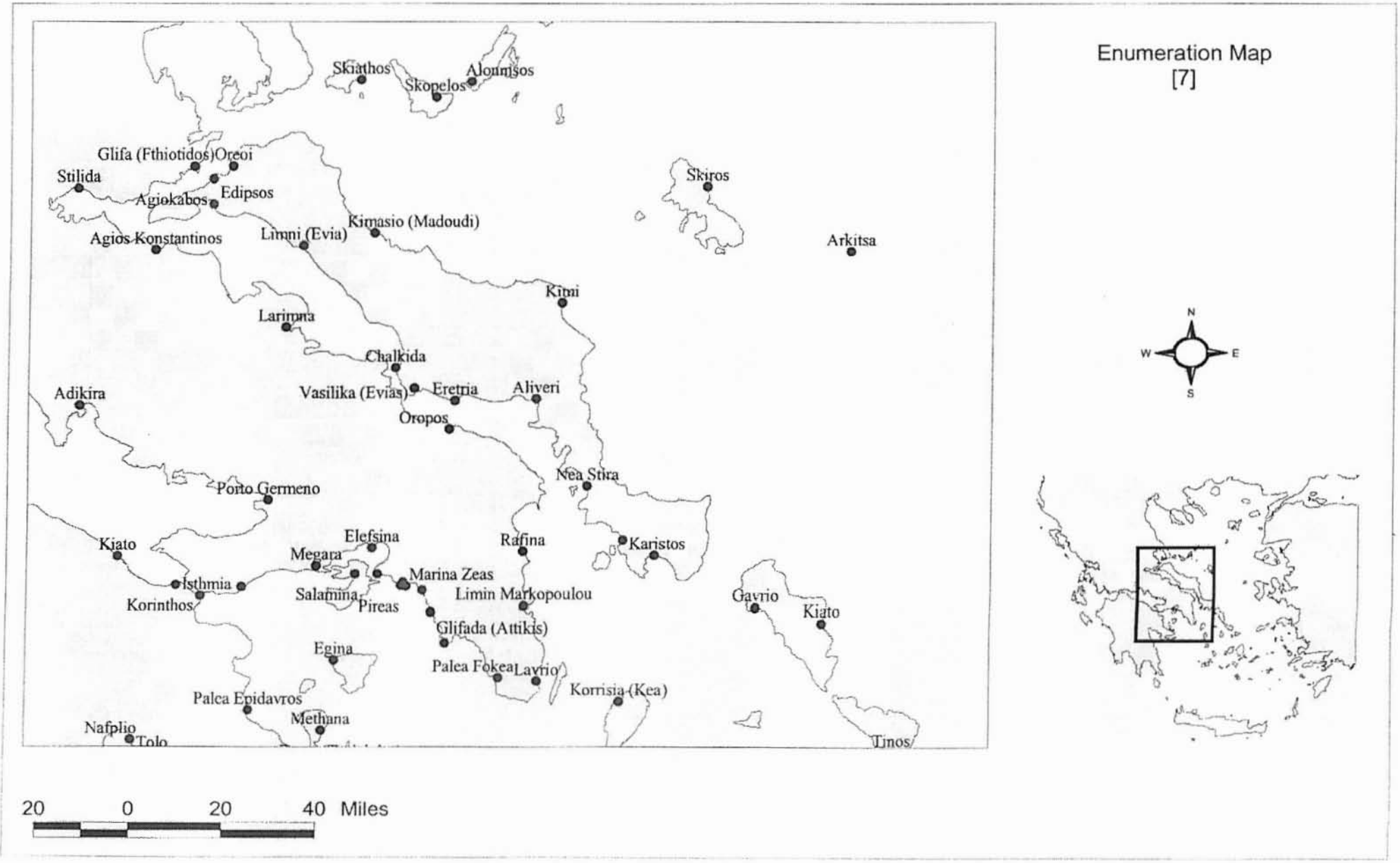


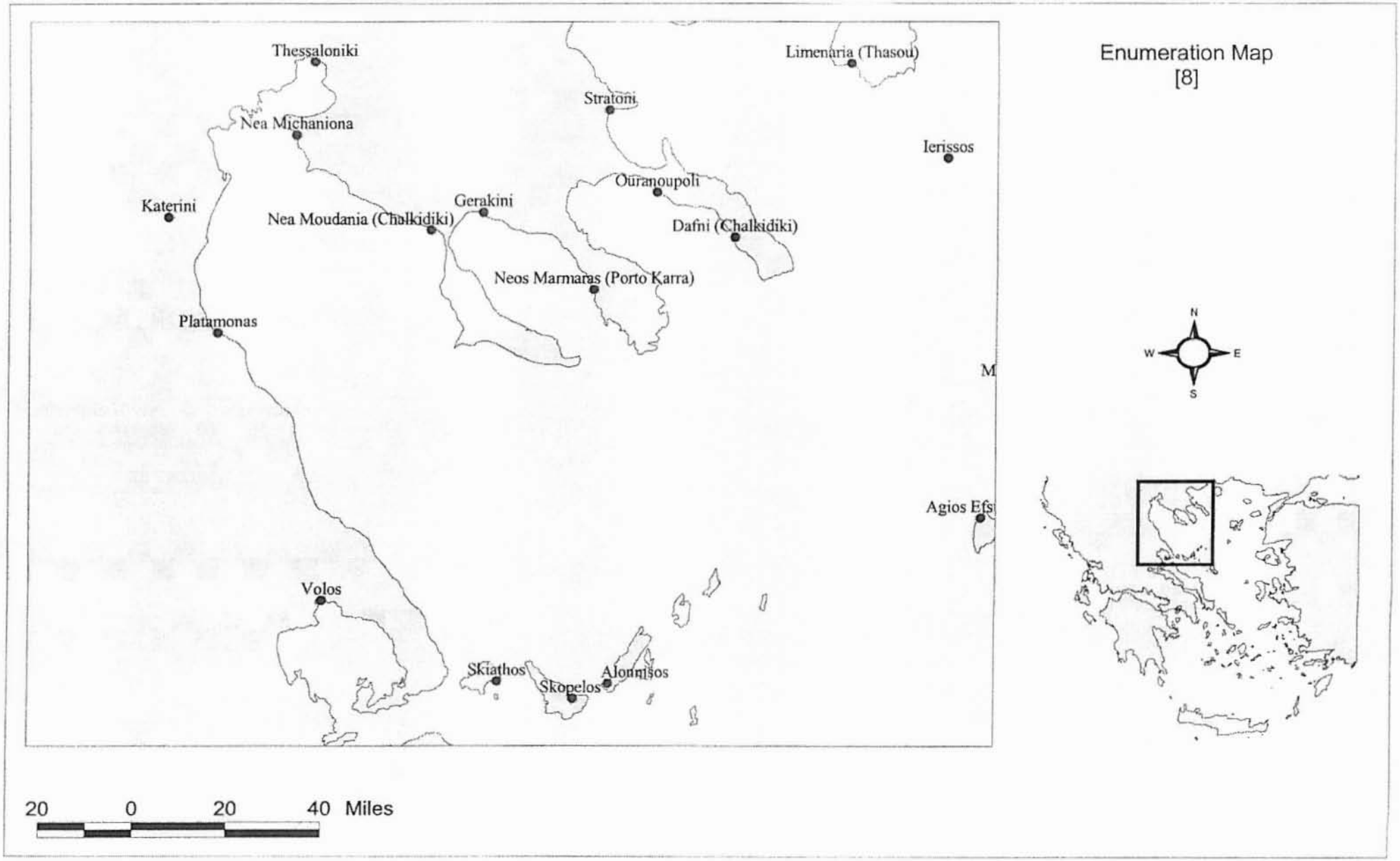
20 0 20 40 Miles

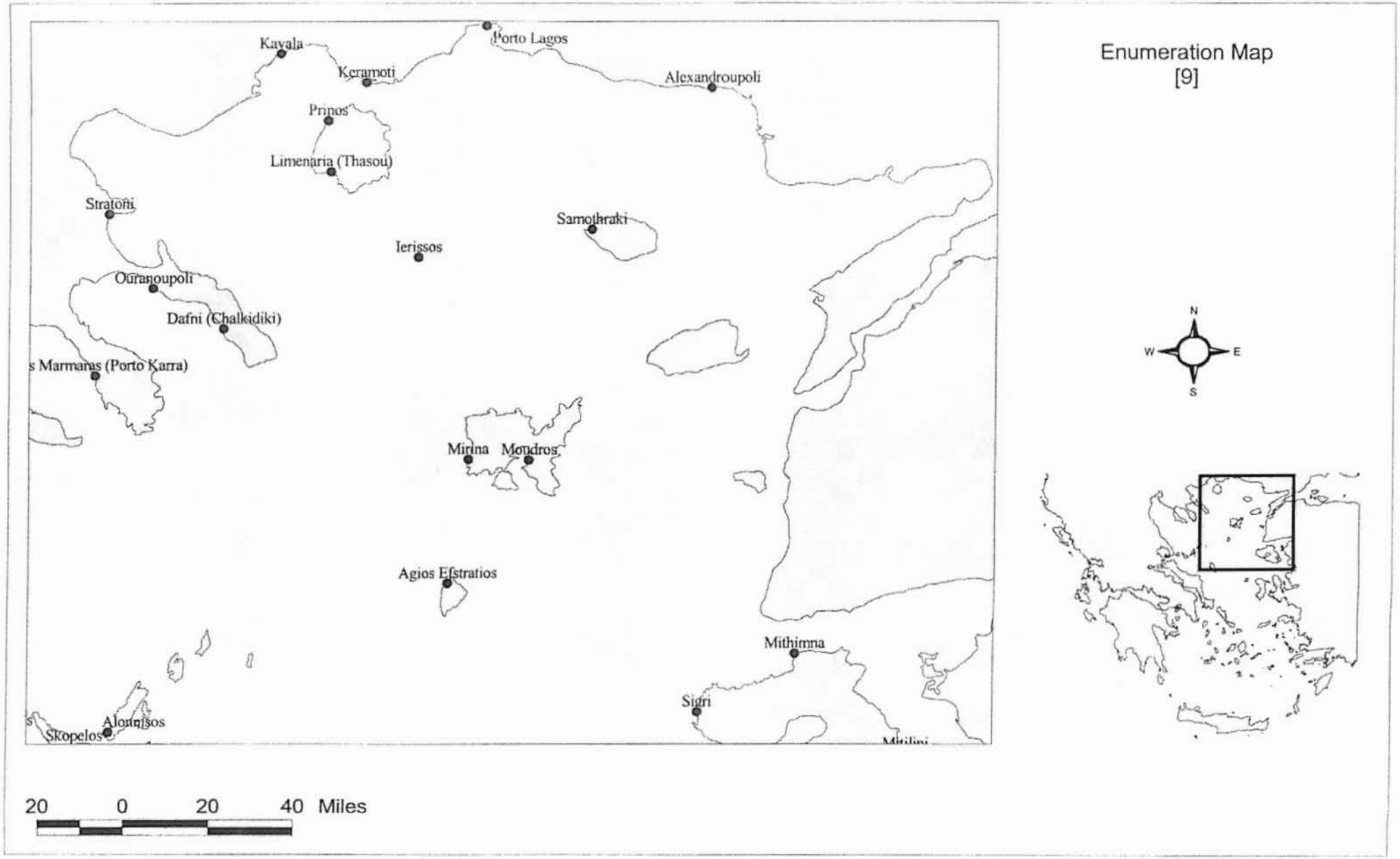

Enumeration Map
[4]
Marina Zeas
Limin Markopoulou
Pireas
Glifada (Attikis)
Palea Fokea
Lavrio
Korrisia (Kea)
Gavrio
Kiato
Egina
Tinos
Evdilos
Agios Kiriko
Ermoupoli(Siros)
Mikonos
Merichas (Kithnos)
Ydra
Serifos
Paros (Parikia)
Naxos
Kamares(Sifnos)
Katapola
Kimolos
Adamadas(Milos)
Ios
Folegandros
Thira
N
W
E
S
20 0 20 40 Miles


Enumeration Map
[5]
Kalimnos
Kos
Katapolla
Kardamena
Mandraki(Nisiros)
Simi
Astipalea
Rodos
Livadi (Tilou)
Chalki
Lindos
Diafanio
Karpathos
Kasos (Eri)
sos
N
W
E
S
20 0 20 40 Miles


Enumeration Map
[6]
Psara
Inouses
Chios
Limani Meston (Chios)
Neo Karlovasi (Limin)
Samos
Pithagorio
Evdilos
Fournoi
Agios Kirikos
Patmos
Lakio
Naxos
N
W
E
S
20 0 20 40 Miles


Enumeration Map
[7]
Skiathos
Skopelos
Alonnisos
Glifa (Fthiotidos)
Oreoi
Stilida
Agiokabos
Edipsos
Agios Konstantinos
Limni (Evia)
Kimasio (Madoudi)
Skiros
Arkitsa
Kimi
Larimna
Chalkida
Adikira
Vasilika (Evias)
Eretria
Aliveri
Oropos
Nea Stira
Porto Germeno
Kiato
Elefsina
Megara
Rafina
Karistos
Isthmia
Marina Zeas
Salamina
Limin Markopoulou
Korinthos
Pireas
Gavrio
Kiato
Glifada (Attikis)
Egina
Palea Fokea
Lavrio
Korrisia (Kea)
Palea Epidavros
Methana
Nafplio
Tolo
Tinos
N
W
E
S
20 0 20 40 Miles


Thessaloniki
Limenaria (Thasou)
Stratoni
Nea Michaniona
Ierissos
Ouranoupoli
Katerini
Gerakini
Nea Moudania (Chalkidiki)
Dafni (Chalkidiki)
Neos Marmaras (Porto Karra)
Platamonas
M
Agios Efs
Volos
Skiathos
Alonnisos
Skopelos
Enumeration Map
[8]
N
W
E
S
20 0 20 40 Miles


Kavala
Porto Lagos
Keramoti
Alexandroupoli
Prinos
Limenaria (Thasou)
Stratoni
Samothraki
Ierissos
Ouranoupoli
Dafni (Chalkidiki)
s Marmaras (Porto Karra)
Mirina
Moudros
Agios Efstratios
Mithimna
Sigri
Skopelos
Alonnisos
Enumeration Map
[9]
N
W
E
S
20 0 20 40 Miles

APPENDIX VII

Number and characteristics of vessels 'under 20 HP' typology and registration port (Registry data)

Nomos	PortName	Gear type	Number	GRT	HP	Crew
Achaia	Egio	Beach seiner	2	2.58	20.12	3
	Egio	Garfish net	1	0.92	14.80	
	Patra	Garfish net	1	0.44	3.74	1
	Egio	Line	9	7.33	75.37	16
	Patra	Line	5	1.37	41.63	8
	Egio	Surface longliners	2	4.71	30.84	2
	Patra	Surface longliners	4	33.92	24.14	8
	Egio	Bottom longliners	11	18.35	127.40	30
	Patra	Bottom longliners	37	28.76	368.96	75
	Egio	Static nets	40	46.92	383.16	49
	Patra	Static nets	81	67.77	620.22	97
Argolida	Koilada	Beach seiner	1	4.18	19.71	4
	Nafplio	Beach seiner	3	11.86	38.89	8
	Porto Cheli	Garfish net	1	0.00	14.75	2
	Ermioni	Line	1	0.64	9.39	1
	Koilada	Line	2	2.29	19.58	4
	Nafplio	Line	2	1.72	8.05	3
	Porto Cheli	Line	1	0.80	9.39	1
	Tolo	Line	1	1.23	14.75	2
	Ermioni	Surface longliners	2	0.00	24.62	2
	Koilada	Surface longliners	3	5.45	35.67	8
	Nafplio	Surface longliners	3	3.38	37.55	5
	Porto Cheli	Surface longliners	7	17.11	87.17	13
	Tolo	Surface longliners	2	1.95	18.69	2
	Ermioni	Bottom longliners	48	47.43	423.56	86
	Koilada	Bottom longliners	58	76.08	499.34	99
	Nafplio	Bottom longliners	110	137.18	1055.55	225
	Palea Epidavros	Bottom longliners	11	9.92	116.72	19
	Porto Cheli	Bottom longliners	42	39.58	325.87	73
	Tolo	Bottom longliners	17	22.03	209.25	40
	Nafplio	Trolling liner	1	0.00	14.75	4
	Ermioni	Static nets	1	0.44	4.02	2
	Koilada	Static nets	13	13.95	99.40	17
	Nafplio	Static nets	68	81.39	551.43	114
	Palea Epidavros	Static nets	6	8.09	91.19	9
	Porto Cheli	Static nets	10	25.55	130.19	14
	Tolo	Static nets	9	7.64	98.83	19
	Koilada	Fish traps	1	1.67	9.39	2
	Nafplio	Fish traps	3	4.11	37.55	7
	Nafplio	Volkoi	1	0.00	14.75	3
Arkadia	Leonidio	Beach seiner	1	1.96	14.80	3
	Paralion Astros	Beach seiner	1	3.10	14.75	2
	Leonidio	Surface longliners	28	23.84	248.09	34
	Paralion Astros	Surface longliners	13	18.82	135.01	13
	Leonidio	Bottom longliners	7	8.75	72.42	13
	Paralion Astros	Bottom longliners	5	7.48	46.94	13
	Paralion Astros	Trolling liner	1	1.09	14.75	1
	Leonidio	Static nets	19	15.48	131.42	23
	Paralion Astros	Static nets	2	2.17	18.77	3
Chalkidiki	Gerakini	Garfish net	1	1.38	14.75	1
	Ierissos	Garfish net	29	83.54	309.63	34
	Nea Moudania (Chalkidiki)	Garfish net	11	12.25	135.99	22
	Neos Marmaras (Porto Karra)	Garfish net	7	18.68	84.48	13
	Ouranoupoli	Garfish net	1	0.86	14.75	3
	Stratoni	Garfish net	2	0.79	13.41	2
	Gerakini	Line	2	1.42	12.07	3
	Nea Moudania (Chalkidiki)	Line	9	6.64	93.23	12
	Neos Marmaras (Porto Karra)	Line	1	0.94	14.75	2
	Gerakini	Surface longliners	1	0.50	9.39	2
	Ierissos	Surface longliners	51	139.78	637.29	52
	Nea Moudania (Chalkidiki)	Surface longliners	4	3.38	37.03	5
	Neos Marmaras (Porto Karra)	Surface longliners	2	4.95	18.77	3
	Ouranoupoli	Surface longliners	5	7.18	76.44	6
	Stratoni	Surface longliners	1	3.56	12.07	2

Chalkidiki	PortName	Gear type	Number	GRT	HP	Crew
	Dafni (Chalkidiki)	Bottom longliners	1	0.92	5.36	2
	Gerakini	Bottom longliners	9	3.76	71.07	12
	Ierissos	Bottom longliners	67	66.40	665.15	100
	Nea Moudania (Chalkidiki)	Bottom longliners	96	85.30	970.89	153
	Neos Marmaras (Porto Karra)	Bottom longliners	29	51.93	309.78	49
	Ouranoupoli	Bottom longliners	11	10.45	134.10	17
	Stratoni	Bottom longliners	13	11.35	136.78	20
	Ierissos	Static nets	4	9.16	46.94	7
	Nea Moudania (Chalkidiki)	Static nets	10	15.18	68.46	14
	Neos Marmaras (Porto Karra)	Static nets	2	1.58	18.77	3
	Ouranoupoli	Static nets	1	0.90	12.07	1
	Stratoni	Static nets	4	4.19	45.59	6
	Ierissos	Fish traps	3	11.26	44.25	3
	Nea Moudania (Chalkidiki)	Fish traps	1	0.65	14.75	1
	Chania	Garfish net	1	1.77	8.05	1
	Chania	Surface longliners	9	45.66	113.44	24
	Chania	Bottom longliners	168	222.19	1609.09	355
	Chora Sfakion	Bottom longliners	1	0.40	6.71	2
Chania	Kissamos (Kasteli Chanion)	Bottom longliners	15	19.67	151.54	29
	Paleochora	Bottom longliners	17	18.21	202.49	38
	Souda	Bottom longliners	1	0.31	0.00	1
	Chania	Static nets	31	49.18	321.74	63
	Kissamos (Kasteli Chanion)	Static nets	29	24.52	264.18	49
	Paleochora	Static nets	2	1.19	25.48	3
	Chios	Garfish net	2	6.05	0.27	
	Chios	Line	52	66.42	596.75	82
	Inouses	Line	1	0.00	9.39	1
	Chios	Surface longliners	2	1.24	16.09	2
	Chios	Bottom longliners	98	85.14	953.84	111
Chios	Inouses	Bottom longliners	4	4.18	46.94	5
	Chios	Trolling liner	10	9.67	80.46	10
	Inouses	Trolling liner	2	1.66	16.09	3
	Chios	Static nets	229	235.13	2074.27	279
	Inouses	Static nets	13	11.45	109.96	14
	Chios	Fish traps	1	1.99	14.75	2
	Kos	Beach seiner	2	5.53	29.50	4
	Patmos	Beach seiner	1	3.01	14.75	2
	Kalimnos	Garfish net	1	0.00	14.75	4
	Karpathos	Garfish net	1	1.61	14.75	1
	Kasos (Fri)	Garfish net	1	0.50	14.75	
	Rodos	Garfish net	1	2.40	14.75	1
	Kalimnos	Line	42	61.55	429.13	50
	Kardamena	Line	1	0.00	13.41	1
	Lakio	Line	14	15.64	118.01	16
	Patmos	Line	4	2.02	21.46	5
	Rodos	Line	3	1.43	30.84	3
	Kalimnos	Surface longliners	11	69.88	179.70	16
	Kasos (Fri)	Surface longliners	2	1.28	20.72	3
	Lakio	Surface longliners	3	4.68	43.88	7
	Megisti (Kastelorizo)	Surface longliners	1	2.38	8.05	1
	Patmos	Surface longliners	1	0.66	4.02	1
	Rodos	Surface longliners	6	5.79	81.80	7
	Astipalea	Bottom longliners	1	1.25	9.39	2
	Kalimnos	Bottom longliners	93	167.43	1074.16	128
	Kardamena	Bottom longliners	1	0.00	8.05	1
	Karpathos	Bottom longliners	5	6.98	63.03	8
	Kasos (Fri)	Bottom longliners	10	16.33	97.14	18
	Kos	Bottom longliners	19	35.12	250.86	27
Dodekanisos	Lakio	Bottom longliners	60	90.90	642.35	71
	Mandraki(Nisiros)	Bottom longliners	5	4.52	40.23	5
	Megisti (Kastelorizo)	Bottom longliners	8	8.66	79.12	8
	Patmos	Bottom longliners	16	18.80	186.40	17
	Rodos	Bottom longliners	91	113.02	1038.09	132
	Simi	Bottom longliners	13	11.11	123.37	13

	PortName	Gear type	Number	GRT	HP	Crew
	Kalimnos	Trolling liner	3	3.39	20.12	4
	Karpathos	Trolling liner	4	2.82	48.28	5
	Kasos (Fri)	Trolling liner	2	0.87	11.77	4
	Lakio	Trolling liner	1	0.99	12.07	1
	Rodos	Trolling liner	1	0.27	2.68	1
	Astipalea	Static nets	8	5.09	87.17	8
	Kalimnos	Static nets	6	6.68	53.64	8
	Karpathos	Static nets	20	17.95	194.45	31
	Kasos (Fri)	Static nets	15	12.07	116.31	24
	Kos	Static nets	24	26.84	209.20	29
	Lakio	Static nets	6	8.74	65.76	8
	Megisti (Kastelorizo)	Static nets	3	1.92	26.82	4
	Patmos	Static nets	49	32.53	299.05	58
	Rodos	Static nets	37	30.35	340.62	48
	Simi	Static nets	36	41.81	368.78	47
	Simi	Fish traps	4	3.66	38.89	6
	Kalimnos	Other gear	4	29.14	30.84	9
	Simi	Other gear	1	1.26	12.07	1
	Oropos	Garfish net	1	2.39	14.75	3
	Lavrio	Line	1	2.31	16.09	1
	Limin Markopoulou	Line	1	1.66	17.43	1
	Palea Fokea	Line	2	2.16	16.09	2
	Rafina	Line	2	2.64	10.73	4
	Lavrio	Surface longliners	3	4.22	29.50	3
	Palea Fokea	Surface longliners	4	5.24	46.94	10
	Rafina	Surface longliners	2	3.27	28.16	2
	Lavrio	Bottom longliners	21	29.96	264.18	75
	Limin Markopoulou	Bottom longliners	20	17.99	182.38	27
East Attiki	Oropos	Bottom longliners	19	14.92	206.52	26
	Palea Fokea	Bottom longliners	11	8.50	93.87	15
	Rafina	Bottom longliners	34	49.43	418.40	66
	Palea Fokea	Trolling liner	1	0.96	8.05	1
	Rafina	Trolling liner	6	7.72	57.66	9
	Lavrio	Static nets	30	37.73	278.93	37
	Limin Markopoulou	Static nets	1	0.71	6.71	1
	Oropos	Static nets	8	6.52	81.80	12
	Palea Fokea	Static nets	3	2.58	22.80	4
	Rafina	Static nets	9	10.45	97.89	11
	Oropos	Dredger	1	3.09	14.75	2
	Nafpaktos	Beach seiner	1	0.95	5.36	2
	Nafpaktos	Garfish net	4	2.60	34.04	1
	Agios Nikolaos	Line	13	14.77	116.67	24
	Amfilochia	Line	26	16.69	222.61	42
	Menidi	Line	1	0.86	13.41	2
	Mesologi (Alikes)	Line	1	0.54	8.05	1
	Nafpaktos	Line	3	1.57	27.72	3
	Agios Nikolaos	Surface longliners	13	20.93	168.75	17
	Astakos	Surface longliners	5	5.51	38.89	6
	Mesologi (Alikes)	Surface longliners	30	27.18	206.52	39
	Nafpaktos	Surface longliners	8	10.79	63.03	12
	Agios Nikolaos	Bottom longliners	69	119.89	691.99	97
	Amfilochia	Bottom longliners	9	4.97	68.39	15
Etolia and Akarnania	Astakos	Bottom longliners	33	40.11	373.68	47
	Menidi	Bottom longliners	12	14.50	120.69	25
	Mesologi (Alikes)	Bottom longliners	109	70.89	864.26	155
	Nafpaktos	Bottom longliners	16	12.20	119.78	17
	Agios Nikolaos	Trolling liner	3	4.79	10.73	3
	Amfilochia	Trolling liner	2	0.89	6.71	3
	Mesologi (Alikes)	Trolling liner	4	2.23	24.14	3
	Agios Nikolaos	Static nets	1	0.29	10.73	1
	Amfilochia	Static nets	66	49.77	561.89	113
	Astakos	Static nets	10	10.65	90.24	12
	Menidi	Static nets	29	28.37	268.20	45
	Mesologi (Alikes)	Static nets	69	43.27	486.36	79

	PortName	Gear type	Number	GRT	HP	Crew
	Nafpaktos	Static nets	26	22.79	206.52	29
	Mesologi (Alikes)	Other gear	18	12.92	92.53	22
Evia	Edipsos	Beach seiner	2	12.00	18.77	5
	Oreoi	Beach seiner	1	3.26	0.89	4
	Agiokabos	Garfish net	6	4.05	41.57	7
	Chalkida	Garfish net	1	1.07	12.07	2
	Edipsos	Garfish net	2	7.52	29.50	11
	Marmari (Evia)	Garfish net	1	1.36	14.75	2
	Nea Stira	Garfish net	1	1.97	17.43	1
	Petrili (Paralia Petrion)	Garfish net	2	1.85	22.80	6
	Agiokabos	Line	2	1.35	12.07	2
	Edipsos	Line	2	5.51	28.16	7
	Eretria	Line	1	0.95	12.07	2
	Oreoi	Line	2	3.51	18.77	5
	Vasilika (Evias)	Line	2	2.25	24.14	8
	Agiokabos	Surface longliners	6	2.55	34.42	7
	Aliveri	Surface longliners	1	1.01	14.75	2
	Chalkida	Surface longliners	7	9.72	75.10	10
	Karistos	Surface longliners	1	0.28	5.36	2
	Kimi	Surface longliners	1	0.56	17.43	1
	Limni (Evia)	Surface longliners	1	0.00	14.75	4
	Marmari (Evia)	Surface longliners	1	0.52	6.71	2
	Nea Stira	Surface longliners	2	2.47	12.07	3
	Agiokabos	Bottom longliners	15	11.52	153.92	22
	Aliveri	Bottom longliners	26	29.03	273.72	36
	Chalkida	Bottom longliners	242	286.17	2221.05	310
	Edipsos	Bottom longliners	151	119.31	1079.52	230
	Eretria	Bottom longliners	38	47.71	312.67	39
	Karistos	Bottom longliners	32	46.75	343.48	38
	Kimasio (Madoudi)	Bottom longliners	25	13.81	182.43	30
	Kimi	Bottom longliners	58	67.48	574.05	87
	Limni (Evia)	Bottom longliners	3	4.18	26.82	3
	Marmari (Evia)	Bottom longliners	25	28.08	229.31	41
	Nea Stira	Bottom longliners	17	20.13	198.38	19
	Oreoi	Bottom longliners	56	37.66	479.01	70
	Petrili (Paralia Petrion)	Bottom longliners	21	19.73	162.57	24
	Skiros	Bottom longliners	38	41.60	415.62	50
	Vasilika (Evias)	Bottom longliners	12	5.76	81.95	12
	Agiokabos	Trolling liner	10	6.01	56.32	10
	Chalkida	Trolling liner	1	0.26	4.02	1
	Edipsos	Trolling liner	1	1.54	18.77	1
	Limni (Evia)	Trolling liner	1	1.05	14.75	4
	Oreoi	Trolling liner	2	1.27	14.75	2
	Agiokabos	Static nets	4	2.63	27.87	4
	Aliveri	Static nets	2	1.30	22.80	2
	Chalkida	Static nets	7	9.87	80.46	11
	Edipsos	Static nets	9	24.37	109.96	12
	Eretria	Static nets	2	1.32	17.43	2
	Marmari (Evia)	Static nets	1	0.68	14.75	2
	Nea Stira	Static nets	6	6.39	70.81	7
	Oreoi	Static nets	1	2.25	6.71	1
	Petrili (Paralia Petrion)	Static nets	1	0.57	6.71	1
	Skiros	Static nets	3	2.80	31.88	4
	Oreoi	Fish traps	1	1.03	10.73	1
	Chalkida	Dredger	1	0.82	12.07	1
	Chalkida	Other gear	1	3.32	14.75	2
Evros	Alexandroupoli	Garfish net	4	4.94	64.37	8
	Alexandroupoli	Line	5	4.41	54.98	10
	Alexandroupoli	Surface longliners	12	15.73	155.20	20
	Samothraki	Surface longliners	5	15.26	69.84	8
	Alexandroupoli	Bottom longliners	21	28.09	277.70	50
	Samothraki	Bottom longliners	2	4.51	20.12	7
	Alexandroupoli	Trolling liner	3	1.45	32.18	6
	Samothraki	Trolling liner	1	0.13	4.02	2

Evros

	PortName	Gear type	Number	GRT	HP	Crew
	Alexandroupoli	Static nets	68	88.41	810.03	143
	Samothraki	Static nets	12	9.05	142.15	31
Fokida	Galaxidi	Beach seiner	1	1.80	14.75	2
	Itea	Beach seiner	3	7.53	44.25	7
	Galaxidi	Garfish net	12	12.05	118.01	17
	Itea	Garfish net	8	8.16	67.88	12
	Galaxidi	Line	2	0.82	13.41	2
	Itea	Line	11	11.13	96.55	20
	Galaxidi	Surface longliners	1	0.34	4.02	1
	Itea	Surface longliners	3	1.42	34.87	5
	Galaxidi	Bottom longliners	6	6.62	68.39	10
	Itea	Bottom longliners	7	5.42	76.44	16
	Galaxidi	Static nets	37	22.09	257.48	47
	Itea	Static nets	38	39.06	347.32	56
Fthiotida	Stilida	Day purse seiner	1	72.94	6.30	12
	Larimna	Garfish net	1	0.58	9.39	2
	Agios Konstantinos	Line	1	0.54	5.36	1
	Glifa (Fthiotidos)	Line	3	1.35	14.75	3
	Larimna	Line	1	0.00	14.75	2
	Agios Konstantinos	Surface longliners	32	21.45	292.20	41
	Arkitsa	Surface longliners	32	25.83	293.68	41
	Glifa (Fthiotidos)	Surface longliners	22	13.27	152.88	24
	Larimna	Surface longliners	42	37.76	443.88	70
	Stilida	Surface longliners	125	112.92	1172.52	172
	Agios Konstantinos	Bottom longliners	14	11.82	155.77	19
	Arkitsa	Bottom longliners	12	11.41	126.06	20
	Glifa (Fthiotidos)	Bottom longliners	7	4.96	69.73	9
	Larimna	Bottom longliners	13	10.64	155.56	32
	Stilida	Bottom longliners	34	30.05	349.74	57
	Glifa (Fthiotidos)	Trolling liner	3	1.51	20.12	3
	Stilida	Trolling liner	3	1.91	20.12	6
	Agios Konstantinos	Static nets	3	2.42	28.16	4
	Glifa (Fthiotidos)	Static nets	3	2.54	29.50	3
	Larimna	Static nets	3	2.80	36.21	5
	Stilida	Static nets	23	21.66	161.66	35
	Stilida	Dredger	2	1.98	17.27	4
Ilia	Agia Kiriaki	Garfish net	2	1.48	13.41	4
	Agia Kiriaki	Line	3	1.71	21.46	3
	Katakolo	Line	5	2.46	38.89	5
	Palouki	Line	1	0.75	10.73	2
	Agia Kiriaki	Surface longliners	1	0.56	5.36	1
	Katakolo	Surface longliners	12	14.08	100.58	16
	Killini(Ekvoles Piniou)	Surface longliners	9	7.77	80.03	14
	Palouki	Surface longliners	8	12.05	107.28	12
	Agia Kiriaki	Bottom longliners	59	67.35	493.52	77
	Katakolo	Bottom longliners	6	12.79	83.14	19
	Killini(Ekvoles Piniou)	Bottom longliners	2	3.10	18.77	6
	Palouki	Bottom longliners	3	4.64	41.57	5
	Agia Kiriaki	Trolling liner	1	0.85	10.73	1
	Katakolo	Trolling liner	2	2.18	6.71	2
	Killini(Ekvoles Piniou)	Trolling liner	1	0.43	8.05	2
	Agia Kiriaki	Static nets	8	8.43	54.98	8
	Katakolo	Static nets	26	24.99	172.99	39
	Killini(Ekvoles Piniou)	Static nets	1	0.55	14.75	1
	Palouki	Static nets	6	4.15	79.12	8
	Agia Kiriaki	Fish traps	1	0.62	5.36	1
Iraklio	Iraklio	Garfish net	1	4.22	14.75	9
	Agia Pelagia	Line	1	1.17	12.07	1
	Iraklio	Line	1	1.64	14.75	2
	Agia Pelagia	Surface longliners	2	3.35	30.84	2
	Iraklio	Surface longliners	38	64.12	495.59	118
	Kaloi Limenes	Surface longliners	4	3.58	45.59	11
	Agia Pelagia	Bottom longliners	5	3.87	48.28	9
	Iraklio	Bottom longliners	54	77.44	672.32	143

Iraklio

	PortName	Gear type	Number	GRT	HP	Crew
	Kaloi Limenes	Bottom longliners	3	7.37	40.23	5
	Iraklio	Trolling liner	1	0.83	13.41	1
	Agia Pelagia	Static nets	10	6.38	96.55	13
	Iraklio	Static nets	10	11.51	119.35	24
Kavala	Kavala	Garfish net	40	65.52	418.35	83
	Keramoti	Garfish net	4	3.34	38.89	8
	Limenaria (Thasou)	Garfish net	5	4.02	33.53	7
	Prinos	Garfish net	38	24.78	305.75	51
	Kavala	Line	4	1.40	17.43	7
	Keramoti	Line	1	0.84	4.02	2
	Limenaria (Thasou)	Line	1	1.65	4.02	1
	Prinos	Line	1	0.15	0.00	1
	Kavala	Surface longliners	1	0.75	10.73	2
	Prinos	Surface longliners	1	0.43	8.05	1
	Kavala	Bottom longliners	44	58.86	481.16	74
	Keramoti	Bottom longliners	20	15.30	160.92	34
	Limenaria (Thasou)	Bottom longliners	18	13.89	100.58	22
	Prinos	Bottom longliners	9	9.86	91.19	14
	Kavala	Trolling liner	2	0.74	6.71	2
	Prinos	Trolling liner	1	0.17	6.71	1
	Kavala	Static nets	14	8.46	91.19	20
	Keramoti	Static nets	7	5.65	61.69	11
	Prinos	Static nets	2	0.88	9.39	2
	Limenaria (Thasou)	Fish traps	1	0.74	14.80	2
	Prinos	Fish traps	1	0.50	6.71	2
	Kavala	Volkoi	8	5.33	46.94	9
	Kavala	Other gear	1	0.50	6.71	3
Kefalinia	Ithaki	Beach seiner	1	2.38	12.07	3
	Sami	Beach seiner	1	3.07	14.75	2
	Argostoli	Day purse seiner	1	5.73	14.80	8
	Lixouri	Garfish net	1	0.54	14.75	4
	Poros (Kefalinias)	Garfish net	1	0.50	0.00	1
	Argostoli	Line	2	1.37	16.09	3
	Ithaki	Line	6	5.25	41.57	7
	Lixouri	Line	1	0.26	4.02	1
	Sami	Line	2	0.93	10.73	2
	Argostoli	Surface longliners	2	4.28	25.48	3
	Ithaki	Surface longliners	2	4.32	24.14	7
	Sami	Surface longliners	6	6.33	44.55	17
	Argostoli	Bottom longliners	24	33.79	240.38	55
	Ithaki	Bottom longliners	17	22.55	172.99	55
	Lixouri	Bottom longliners	30	27.92	297.99	59
	Poros (Kefalinias)	Bottom longliners	7	10.63	39.20	3
	Sami	Bottom longliners	6	8.73	60.35	11
	Ithaki	Trolling liner	2	2.56	25.48	3
	Poros (Kefalinias)	Trolling liner	1	0.14	1.34	1
	Sami	Trolling liner	1	1.75	9.87	3
	Argostoli	Static nets	22	16.94	168.97	28
	Ithaki	Static nets	37	40.72	355.37	54
	Lixouri	Static nets	26	35.05	292.73	38
	Poros (Kefalinias)	Static nets	5	11.48	45.59	5
	Sami	Static nets	20	16.94	147.51	30
	Argostoli	Fish traps	1	0.49	4.02	1
	Ithaki	Fish traps	2	9.43	33.53	4
	Argostoli	Other gear	1	0.48	0.00	1
Kerkyra	Gaios	Beach seiner	1	2.85	10.73	3
	Kerkyra	Beach seiner	6	11.99	68.39	15
	Kerkyra	Garfish net	13	37.78	125.83	21
	Gaios	Line	1	0.92	5.36	1
	Kerkyra	Line	28	29.98	253.45	43
	Gaios	Surface longliners	2	1.84	14.75	5
	Kerkyra	Surface longliners	52	74.02	612.67	169
	Gaios	Bottom longliners	23	25.48	187.74	44
	Kerkyra	Bottom longliners	33	32.35	248.46	66

	PortName	Gear type	Number	GRT	HP	Crew
Kerkyra	Kerkyra	Trolling liner	1	1.51	14.75	1
	Gaios	Static nets	4	4.32	40.23	7
	Kerkyra	Static nets	216	200.16	1895.40	341
	Kerkyra	Fish traps	1	0.85	6.71	1
	Kerkyra	Other gear	1	0.47	5.36	2
Korinthia	Kiato	Beach seiner	1	1.80	9.39	2
	Kiato	Garfish net	4	6.78	48.28	9
	Korinthos	Garfish net	2	2.20	14.80	
	Isthmia	Line	5	4.10	32.18	6
	Kiato	Line	9	6.94	52.30	14
	Korinthos	Line	9	8.62	65.71	12
	Isthmia	Surface longliners	5	4.31	37.55	6
	Kiato	Surface longliners	3	3.61	33.53	6
	Korinthos	Surface longliners	3	5.16	33.99	2
	Isthmia	Bottom longliners	11	11.71	97.89	18
	Kiato	Bottom longliners	9	5.87	76.44	11
	Korinthos	Bottom longliners	17	16.11	162.32	24
	Isthmia	Static nets	9	12.84	99.24	11
	Kiato	Static nets	10	7.06	85.83	13
	Korinthos	Static nets	10	13.90	100.58	14
	Korinthos	Other gear	1	0.25	4.02	1
Kyklades	Adamadas(Milos)	Beach seiner	1	1.00	14.75	2
	Adamadas(Milos)	Garfish net	2	4.11	27.22	
	Andros	Garfish net	1	1.47	13.41	2
	Ermoupoli(Siros)	Garfish net	11	57.73	137.07	16
	Mikonos	Garfish net	4	12.88	50.96	10
	Paros (Parikia)	Garfish net	1	1.73	9.39	1
	Thira	Garfish net	1	1.00	14.75	1
	Tinos	Garfish net	1	4.88	14.75	2
	Adamadas(Milos)	Line	9	10.08	83.22	17
	Andros	Line	11	12.86	111.30	15
	Ermoupoli(Siros)	Line	14	16.75	130.08	22
	Gavrio	Line	2	2.02	9.39	2
	Ios	Line	2	2.22	20.12	2
	Korrisia (Kea)	Line	1	0.69	0.00	1
	Merichas (Kithnos)	Line	3	1.70	18.77	5
	Mikonos	Line	4	2.59	63.03	7
	Paros (Parikia)	Line	17	16.83	135.44	26
	Serifos	Line	2	1.07	6.71	2
	Thira	Line	20	26.81	211.88	38
	Tinos	Line	4	1.51	17.43	8
	Adamadas(Milos)	Surface longliners	1	0.31	6.71	1
	Kimolos	Surface longliners	1	0.50	5.36	1
	Mikonos	Surface longliners	1	2.78	14.80	
	Naxos	Surface longliners	1	0.69	17.43	1
	Paros (Parikia)	Surface longliners	3	5.44	32.18	3
	Thira	Surface longliners	6	16.32	56.32	11
	Adamadas(Milos)	Bottom longliners	24	25.71	229.31	36
	Andros	Bottom longliners	27	34.13	273.62	39
	Ermoupoli(Siros)	Bottom longliners	64	130.55	672.09	113
	Gavrio	Bottom longliners	6	8.25	60.35	10
	Ios	Bottom longliners	3	5.46	21.46	5
	Kamares(Sifnos)	Bottom longliners	6	4.87	50.96	16
	Katapolla	Bottom longliners	7	6.78	55.44	13
	Korrisia (Kea)	Bottom longliners	4	3.71	49.62	5
	Merichas (Kithnos)	Bottom longliners	4	5.63	37.55	6
	Mikonos	Bottom longliners	9	6.63	107.28	16
	Naxos	Bottom longliners	22	23.30	264.34	33
	Paros (Parikia)	Bottom longliners	55	93.47	632.96	118
	Serifos	Bottom longliners	1	0.29	1.34	1
	Thira	Bottom longliners	52	52.26	532.44	85
	Tinos	Bottom longliners	9	6.38	96.55	13
	Ermoupoli(Siros)	Trolling liner	5	13.01	42.91	10
	Gavrio	Trolling liner	1	0.63	5.36	2

	PortName	Gear type	Number	GRT	HP	Crew
	Mikonos	Trolling liner	7	6.39	89.58	15
	Paros (Parikia)	Trolling liner	4	2.83	34.87	5
	Thira	Trolling liner	12	9.87	108.62	18
	Tinos	Trolling liner	3	1.41	21.46	3
	Adamadas(Milos)	Static nets	110	83.54	811.32	130
	Andros	Static nets	2	1.06	12.07	2
	Ermoupoli(Siros)	Static nets	25	41.26	321.47	35
	Gavrio	Static nets	6	6.18	63.03	7
	Ios	Static nets	1	0.54	14.75	1
	Kamares(Sifnos)	Static nets	18	17.45	147.51	28
	Katapolla	Static nets	1	0.53	9.39	1
	Kimolos	Static nets	3	4.30	14.75	3
	Korrisia (Kea)	Static nets	8	6.53	65.71	9
	Merichas (Kithnos)	Static nets	2	6.61	21.46	4
	Mikonos	Static nets	7	6.88	91.19	7
	Naxos	Static nets	4	3.62	41.57	4
	Paros (Parikia)	Static nets	57	62.13	568.70	72
	Serifos	Static nets	3	4.02	37.55	5
	Thira	Static nets	25	27.11	257.48	32
	Tinos	Static nets	39	33.93	320.50	52
	Paros (Parikia)	Other gear	1	4.12	14.75	2
Lakonia	Monemvasia	Beach seiner	1	1.83	14.75	2
	Githio	Line	2	3.99	32.18	4
	Githio	Surface longliners	14	20.94	194.45	26
	Monemvasia	Surface longliners	1	2.51	14.75	1
	Neapoli (Lakonia)	Surface longliners	15	10.85	169.45	27
	Githio	Bottom longliners	31	33.68	335.26	42
	Monemvasia	Bottom longliners	13	13.63	143.49	19
	Neapoli (Lakonia)	Bottom longliners	32	31.55	357.78	43
	Githio	Trolling liner	1	1.55	17.43	1
	Monemvasia	Trolling liner	2	1.33	29.50	2
	Neapoli (Lakonia)	Trolling liner	2	3.23	23.00	3
	Githio	Static nets	79	86.09	812.66	102
	Monemvasia	Static nets	11	11.78	119.35	12
	Neapoli (Lakonia)	Static nets	168	135.06	1460.80	204
Larisa	Eleftheres (Larisa)	Garfish net	7	2.14	42.91	14
	Eleftheres (Larisa)	Line	2	0.59	4.02	2
	Eleftheres (Larisa)	Bottom longliners	25	13.28	155.65	42
	Eleftheres (Larisa)	Static nets	4	1.39	37.55	6
Lasithi	Ierapetra	Line	1	1.64	16.09	2
	Sitia	Line	6	12.17	60.35	7
	Ierapetra	Surface longliners	10	11.55	142.15	23
	Ierapetra	Bottom longliners	16	20.44	230.66	31
	Sitia	Bottom longliners	34	48.22	365.05	84
	Ierapetra	Trolling liner	2	1.45	20.12	3
	Sitia	Trolling liner	4	3.53	41.57	5
	Ierapetra	Static nets	2	2.44	21.46	3
	Sitia	Static nets	7	6.06	71.07	8
Lefkada	Lefkada	Beach seiner	1	1.82	14.75	2
	Nidri	Beach seiner	2	5.92	22.80	3
	Lefkada	Garfish net	1	1.49	12.07	1
	Lefkada	Line	3	2.50	36.21	6
	Lefkada	Surface longliners	7	10.09	80.70	6
	Nidri	Surface longliners	2	3.41	24.14	3
	Lefkada	Bottom longliners	218	225.09	1959.27	267
	Nidri	Bottom longliners	36	38.17	336.60	37
	Lefkada	Static nets	55	51.08	505.57	65
	Nidri	Static nets	5	4.88	46.94	6
	Mirina	Beach seiner	1	1.85	14.75	5
	Mirina	Garfish net	9	29.64	92.60	25
	Mithimna	Garfish net	5	2.94	43.29	7
	Mitilini	Garfish net	48	62.67	436.45	124
	Moudros	Garfish net	1	1.53	9.39	3
	Perama (Geras Lesvou)	Garfish net	5	5.94	72.42	15

	PortName	Gear type	Number	GRT	HP	Crew
Lesvos	Plomari	Garfish net	2	2.40	14.75	4
	Polichnitos	Garfish net	3	2.82	29.34	8
	Sigri	Garfish net	1	0.85	14.75	1
	Mirina	Line	4	2.83	34.01	7
	Mithimna	Line	2	2.75	22.80	3
	Mitilini	Line	23	19.67	225.29	42
	Plomari	Line	1	2.12	18.77	2
	Polichnitos	Line	3	2.89	20.12	6
	Mirina	Surface longliners	17	19.31	147.51	27
	Mithimna	Surface longliners	12	8.45	105.94	14
	Mitilini	Surface longliners	34	29.22	297.71	52
	Perama (Geras Lesvou)	Surface longliners	1	0.64	14.75	1
	Plomari	Surface longliners	14	10.92	116.67	19
	Polichnitos	Surface longliners	3	0.86	9.39	3
	Mirina	Bottom longliners	103	96.47	1046.87	305
	Mithimna	Bottom longliners	24	19.17	258.17	35
	Mitilini	Bottom longliners	213	272.99	2044.74	387
	Moudros	Bottom longliners	26	25.47	217.37	69
	Perama (Geras Lesvou)	Bottom longliners	62	42.10	570.63	115
	Plomari	Bottom longliners	29	18.99	221.27	71
	Polichnitos	Bottom longliners	24	19.10	256.08	44
	Sigri	Bottom longliners	12	8.29	95.21	23
	Mirina	Trolling liner	1	1.70	18.77	2
	Mitilini	Trolling liner	20	17.40	187.74	44
	Perama (Geras Lesvou)	Trolling liner	1	0.93	4.93	
	Plomari	Trolling liner	1	0.32	6.71	1
	Polichnitos	Trolling liner	5	4.61	50.96	10
	Mirina	Static nets	68	64.15	563.23	138
	Mithimna	Static nets	8	3.56	56.32	8
	Mitilini	Static nets	117	84.31	995.04	218
	Moudros	Static nets	12	9.62	93.87	23
	Perama (Geras Lesvou)	Static nets	15	10.19	129.92	29
	Plomari	Static nets	12	6.11	80.49	16
	Polichnitos	Static nets	22	19.54	204.69	42
	Sigri	Static nets	1	0.69	8.05	2
	Mirina	Fish traps	1	0.30	0.00	1
	Mitilini	Dredger	4	3.43	36.21	7
	Polichnitos	Dredger	1	1.44	10.73	2
	Mitilini	Other gear	1	0.22	6.71	2
Magnisia	Skiathos	Beach seiner	1	1.93	14.75	2
	Volos	Garfish net	15	17.16	203.84	26
	Skiathos	Line	9	9.20	65.71	11
	Skopelos	Line	2	1.26	2.68	4
	Volos	Line	26	19.37	179.70	36
	Skopelos	Surface longliners	4	4.46	42.91	5
	Volos	Surface longliners	6	2.70	67.05	5
	Alonnisos	Bottom longliners	3	3.73	29.80	4
	Skiathos	Bottom longliners	27	44.32	234.68	37
	Skopelos	Bottom longliners	46	46.85	371.52	65
	Volos	Bottom longliners	191	182.39	1751.21	286
	Alonnisos	Trolling liner	4	4.23	45.59	6
	Skiathos	Trolling liner	10	8.43	77.78	10
	Skopelos	Trolling liner	5	4.39	33.53	7
	Volos	Trolling liner	58	64.03	505.57	85
	Alonnisos	Static nets	7	10.42	96.55	12
	Skiathos	Static nets	25	27.87	213.25	31
	Skopelos	Static nets	11	11.04	92.53	16
	Volos	Static nets	132	118.53	964.19	192
	Skiathos	Fish traps	1	0.54	5.36	1
	Skopelos	Fish traps	1	1.90	14.75	2
	Volos	Fish traps	4	3.99	48.28	6
	Volos	Other gear	1	0.75	6.71	2
	Kalamata	Beach seiner	1	2.53	16.09	3
	Kalamata	Line	5	4.39	53.64	5

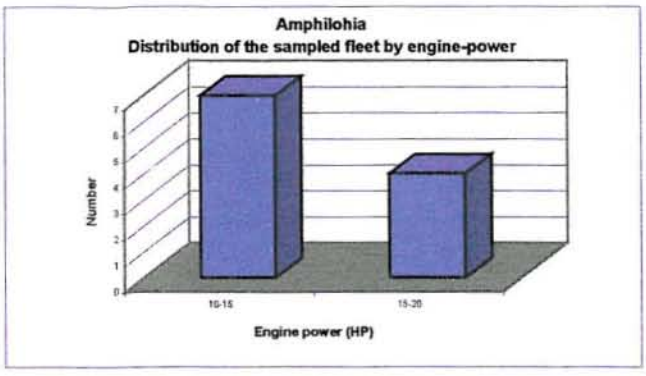
	PortName	Gear type	Number	GRT	HP	Crew
Messinia	Kiparissia	Line	1	0.85	12.07	1
	Pilos	Line	4	3.10	33.53	4
	Kalamata	Surface longliners	63	104.26	763.40	127
	Koroni	Surface longliners	6	6.00	68.39	12
	Pilos	Surface longliners	26	33.63	305.75	67
	Kalamata	Bottom longliners	28	27.21	276.30	33
	Kiparissia	Bottom longliners	5	3.82	60.35	8
	Koroni	Bottom longliners	6	6.14	60.35	7
	Pilos	Bottom longliners	28	37.67	386.21	42
	Kalamata	Static nets	51	40.16	411.69	60
	Kiparissia	Static nets	3	1.22	32.18	6
	Koroni	Static nets	2	1.67	16.09	2
	Pilos	Static nets	21	14.05	236.02	33
	Kalamata	Fish traps	2	1.93	14.75	2
Pieria	Katerini	Garfish net	1	1.00	14.75	1
	Platamonas	Garfish net	5	5.09	45.59	9
	Platamonas	Line	1	1.24	9.39	1
	Katerini	Surface longliners	1	0.53	10.73	2
	Platamonas	Surface longliners	5	4.22	40.23	6
	Katerini	Bottom longliners	37	22.30	392.77	50
	Platamonas	Bottom longliners	33	21.84	352.69	48
	Katerini	Trolling liner	1	0.57	6.71	2
	Platamonas	Trolling liner	6	4.55	63.03	7
	Katerini	Static nets	50	33.06	579.35	74
	Platamonas	Static nets	7	5.59	87.17	9
	Katerini	Volkoi	2	0.99	18.77	3
	Katerini	Dredger	1	0.77	5.36	1
Pireas	Pireas	Trawlers	1	243.00	7.07	20
	Methana	Beach seiner	1	2.81	13.41	2
	Pireas	Beach seiner	2	4.62	25.48	4
	Poros (Troizinias)	Beach seiner	1	1.73	9.39	2
	Ydra	Beach seiner	1	3.56	14.75	3
	Methana	Garfish net	2	7.04	32.18	3
	Pireas	Garfish net	16	29.56	227.04	41
	Poros (Troizinias)	Garfish net	3	9.38	30.98	6
	Ydra	Garfish net	1	1.13	12.07	1
	Egina	Line	29	27.49	211.88	37
	Methana	Line	5	8.07	37.55	6
	Pireas	Line	34	36.35	304.56	40
	Poros (Troizinias)	Line	8	7.01	60.08	9
	Salamina	Line	1	1.05	4.02	2
	Spetses	Line	4	12.48	34.87	6
	Ydra	Line	12	13.22	134.13	15
	Egina	Surface longliners	19	7.56	214.56	34
	Kapsali	Surface longliners	1	1.64	14.75	2
	Methana	Surface longliners	1	0.93	5.36	1
	Pireas	Surface longliners	42	86.44	533.90	181
	Poros (Troizinias)	Surface longliners	12	20.36	124.33	21
	Spetses	Surface longliners	7	13.84	91.87	12
	Ydra	Surface longliners	1	1.39	14.75	2
	Egina	Bottom longliners	51	67.06	571.28	73
	Kapsali	Bottom longliners	32	34.01	340.62	63
	Methana	Bottom longliners	13	16.79	120.75	16
	Pireas	Bottom longliners	142	225.77	1475.55	228
	Poros (Troizinias)	Bottom longliners	18	22.37	151.67	24
	Spetses	Bottom longliners	24	33.08	215.90	29
	Ydra	Bottom longliners	16	38.08	179.70	30
	Egina	Trolling liner	39	46.77	362.08	46
	Methana	Trolling liner	5	4.41	37.55	6
	Pireas	Trolling liner	26	30.28	241.38	35
	Poros (Troizinias)	Trolling liner	14	12.45	84.48	15
	Salamina	Trolling liner	1	0.75	0.00	2
	Ydra	Trolling liner	17	17.35	181.92	26
	Egina	Static nets	49	79.01	472.04	65

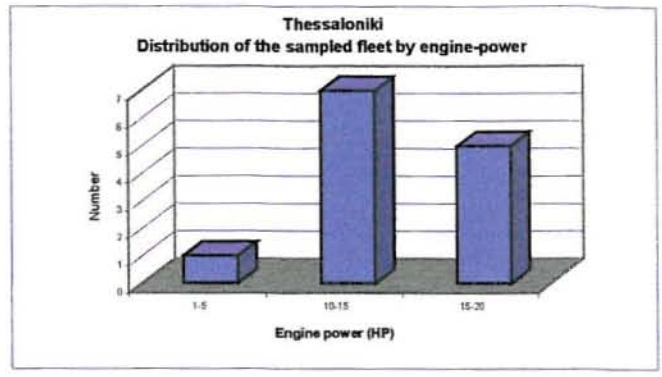
	PortName	Gear type	Number	GRT	HP	Crew
	Methana	Static nets	3	3.23	38.89	3
	Pireas	Static nets	122	161.98	1149.43	158
	Poros (Troizinias)	Static nets	17	31.54	168.97	23
	Salamina	Static nets	13	18.95	118.01	17
	Spetses	Static nets	31	76.34	329.89	38
	Ydra	Static nets	8	9.28	69.73	8
	Pireas	Fish traps	4	3.99	46.94	5
	Pireas	Other gear	6	8.94	76.44	8
	Preveza	Garfish net	2	1.17	13.41	3
	Parga	Line	4	5.78	48.28	8
	Preveza	Line	31	24.31	230.66	52
	Parga	Surface longliners	12	12.89	83.41	18
	Preveza	Surface longliners	15	16.13	123.37	21
	Parga	Bottom longliners	14	25.15	142.15	24
	Preveza	Bottom longliners	89	84.30	827.41	144
Preveza	Parga	Trolling liner	1	0.54	4.02	2
	Preveza	Trolling liner	4	4.41	17.43	5
	Parga	Static nets	17	18.84	144.83	30
	Preveza	Static nets	354	295.25	2714.23	468
	Preveza	Fish traps	2	2.06	12.07	3
	Preveza	Volkoi	3	1.96	29.50	3
	Preveza	Dredger	1	1.40	17.43	1
	Preveza	Other gear	3	1.57	25.48	4
	Agia Galini	Line	1	0.83	2.68	1
	Agia Galini	Surface longliners	4	1.89	59.00	5
	Rethymno	Surface longliners	1	1.10	14.75	3
Rethymno	Agia Galini	Bottom longliners	10	6.77	126.06	21
	Rethymno	Bottom longliners	3	2.44	36.21	6
	Agia Galini	Static nets	9	6.55	81.80	12
	Rethymno	Static nets	26	29.93	245.41	32
	Pithagorio	Trawlers	1	0.44	4.02	2
	Neo Karlovasi (Limin)	Beach seiner	1	2.69	6.71	3
	Pithagorio	Beach seiner	1	4.71	10.73	2
	Samos	Beach seiner	1	3.75	13.41	3
	Agios Kirikos	Garfish net	1	0.37	5.36	1
	Fournoi	Garfish net	1	2.33	14.75	1
	Samos	Garfish net	2	4.54	26.82	6
	Fournoi	Line	4	5.30	49.62	4
	Neo Karlovasi (Limin)	Line	12	6.39	68.69	12
	Pithagorio	Line	6	6.30	30.84	7
	Samos	Line	10	17.89	120.69	12
	Agios Kirikos	Surface longliners	1	0.34	9.87	
	Fournoi	Surface longliners	1	2.38	14.75	1
	Neo Karlovasi (Limin)	Surface longliners	4	3.61	53.64	10
	Samos	Surface longliners	5	13.42	29.95	4
Samos	Agios Kirikos	Bottom longliners	4	4.81	26.23	8
	Fournoi	Bottom longliners	13	16.04	149.14	36
	Neo Karlovasi (Limin)	Bottom longliners	15	8.86	87.17	16
	Pithagorio	Bottom longliners	2	1.12	9.39	2
	Samos	Bottom longliners	37	44.09	513.61	89
	Evdilos	Trolling liner	1	0.66	6.71	1
	Fournoi	Trolling liner	1	0.29	6.71	1
	Pithagorio	Trolling liner	1	0.73	5.36	2
	Samos	Trolling liner	3	1.69	13.41	4
	Agios Kirikos	Static nets	38	34.19	284.30	55
	Evdilos	Static nets	43	40.19	297.71	61
	Fournoi	Static nets	69	81.79	710.86	82
	Neo Karlovasi (Limin)	Static nets	22	14.97	158.32	26
	Pithagorio	Static nets	36	34.86	249.43	49
	Samos	Static nets	77	112.28	765.72	111
	Samos	Dredger	1	0.85	6.71	1
	Stavros (Thessalonikis)	Garfish net	5	6.55	50.96	8
	Thessaloniki	Garfish net	3	7.28	38.94	2
	Nea Michaniona	Line	10	8.63	74.67	13

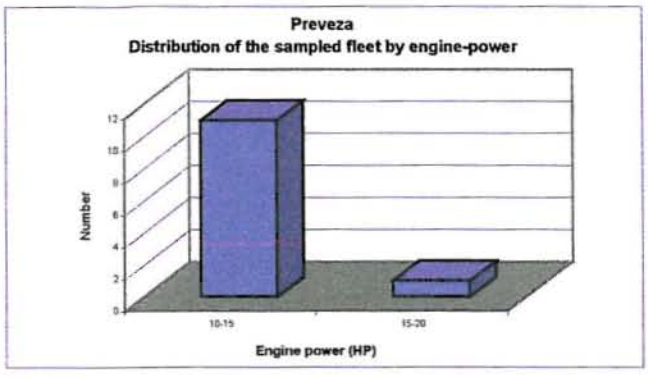
	PortName	Gear type	Number	GRT	HP	Crew
Thesaloniki	Stavros (Thessalonikis)	Line	1	0.58	14.75	2
	Thessaloniki	Line	22	27.19	243.14	35
	Stavros (Thessalonikis)	Surface longliners	1	0.48	18.77	1
	Thessaloniki	Surface longliners	2	1.67	16.09	3
	Nea Michaniona	Bottom longliners	25	28.49	233.18	45
	Stavros (Thessalonikis)	Bottom longliners	17	16.53	174.33	23
	Thessaloniki	Bottom longliners	151	200.74	1735.31	245
	Nea Michaniona	Trolling liner	4	2.79	24.14	8
	Thessaloniki	Trolling liner	2	2.03	13.89	3
	Nea Michaniona	Static nets	24	23.60	257.48	41
	Stavros (Thessalonikis)	Static nets	17	16.29	127.40	26
	Thessaloniki	Static nets	67	103.20	822.81	101
	Stavros (Thessalonikis)	Fish traps	7	4.91	50.96	14
	Thessaloniki	Volkoi	1	0.76	18.77	2
	Stavros (Thessalonikis)	Dredger	1	0.30	0.00	1
	Thessaloniki	Other gear	1	3.64	13.41	2
Thesprotia	Igoumenitsa	Surface longliners	7	9.88	92.58	18
	Igoumenitsa	Static nets	41	46.38	517.07	46
Viotia	Adikira	Garfish net	4	6.01	50.05	6
	Adikira	Line	18	22.67	217.25	36
	Adikira	Bottom longliners	7	7.68	77.78	12
	Adikira	Static nets	34	33.35	356.43	47
West Attiki	Porto Germeno	Beach seiner	1	4.43	14.75	3
	Elefsina	Garfish net	2	4.68	24.14	3
	Megara	Garfish net	1	0.85	14.75	2
	Elefsina	Line	2	1.48	18.77	3
	Megara	Line	4	3.25	22.80	5
	Porto Germeno	Line	1	0.00	9.39	2
	Elefsina	Surface longliners	3	1.80	40.23	5
	Megara	Surface longliners	2	0.85	13.41	3
	Elefsina	Bottom longliners	50	92.30	647.77	103
	Megara	Bottom longliners	14	18.50	114.64	22
	Porto Germeno	Bottom longliners	3	0.00	33.53	10
	Elefsina	Trolling liner	9	11.37	84.48	16
	Megara	Trolling liner	4	4.23	24.14	6
	Elefsina	Static nets	19	21.40	193.21	25
	Megara	Static nets	9	9.70	57.66	11
	Porto Germeno	Static nets	1	0.50	8.05	1
	Elefsina	Dredger	1	0.76	13.41	1
	Elefsina	Other gear	1	1.47	17.43	2
	Megara	Other gear	1	1.33	9.39	2
Xanthi	Porto Lagos	Garfish net	2	1.90	29.50	4
	Porto Lagos	Line	3	2.54	28.16	5
	Porto Lagos	Surface longliners	9	9.36	95.21	16
	Porto Lagos	Bottom longliners	25	21.45	328.20	37
	Porto Lagos	Static nets	27	28.60	336.70	46
	Porto Lagos	Volkoi	4	4.57	50.96	7
Zakynthos	Zakynthos	Garfish net	6	7.75	15.37	
	Zakynthos	Line	3	4.14	25.48	6
	Zakynthos	Surface longliners	33	43.03	307.74	53
	Zakynthos	Bottom longliners	76	69.81	762.67	101
	Zakynthos	Static nets	29	24.98	211.88	37

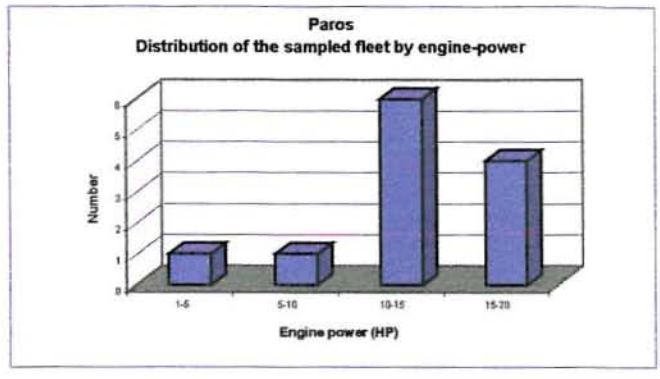
APPENDIX VIII

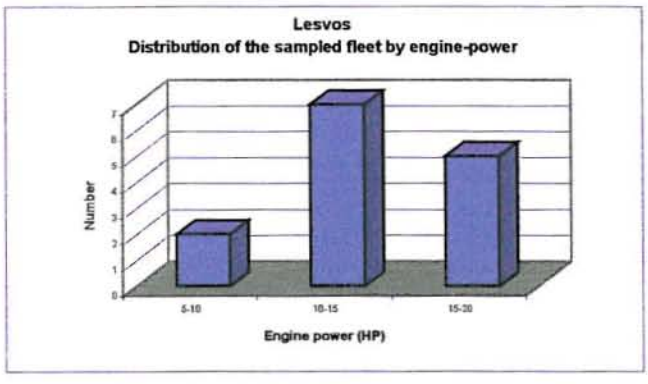
Complementary database results (Figures)

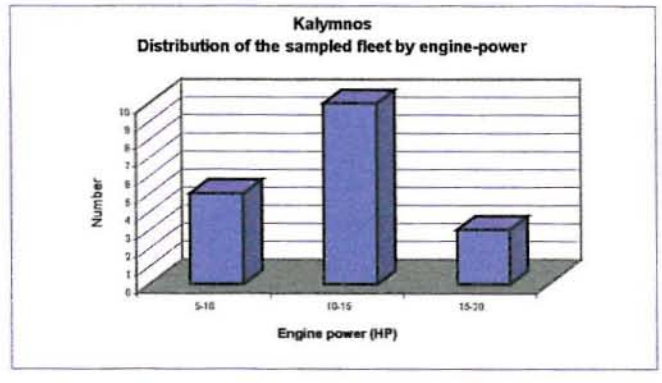

Amphilohia
Distribution of the sampled fleet by engine-power
Number
10-15
15-20
Engine power (HP)

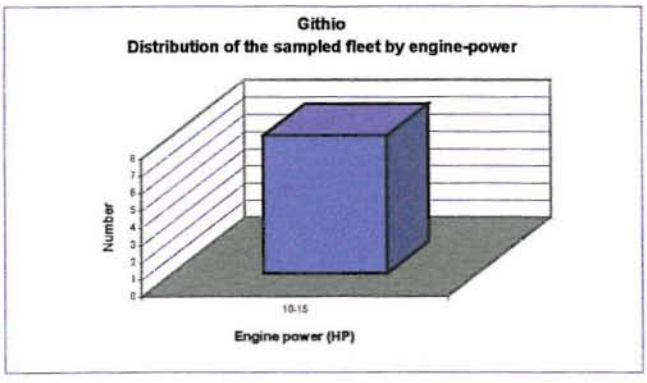

Thessaloniki
Distribution of the sampled fleet by engine-power
Number
1-5
10-15
15-20
Engine power (HP)

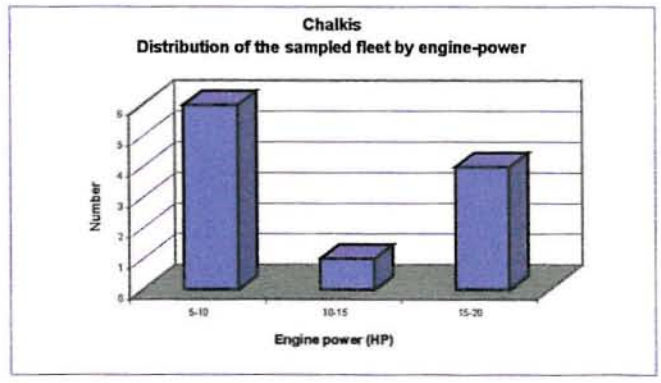

Preveza
Distribution of the sampled fleet by engine-power
Number
10-15
15-20
Engine power (HP)

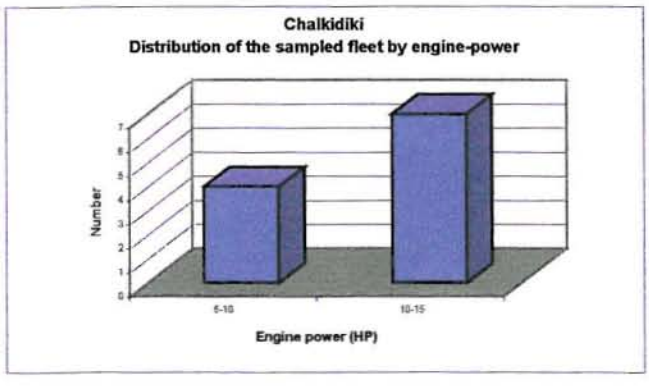

Paros
Distribution of the sampled fleet by engine-power
Number
1-5
5-10
10-15
15-20
Engine power (HP)

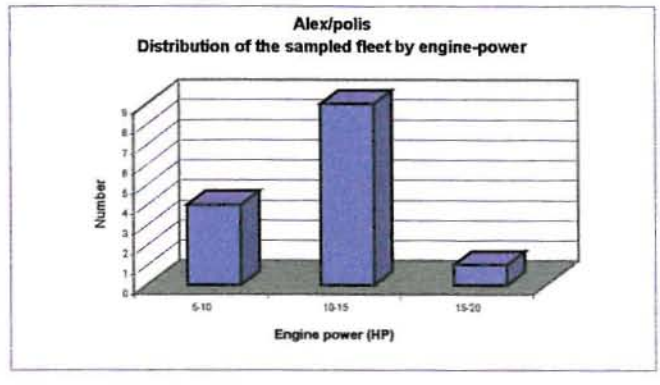

Lesvos
Distribution of the sampled fleet by engine-power
Number
5-10
10-15
15-20
Engine power (HP)

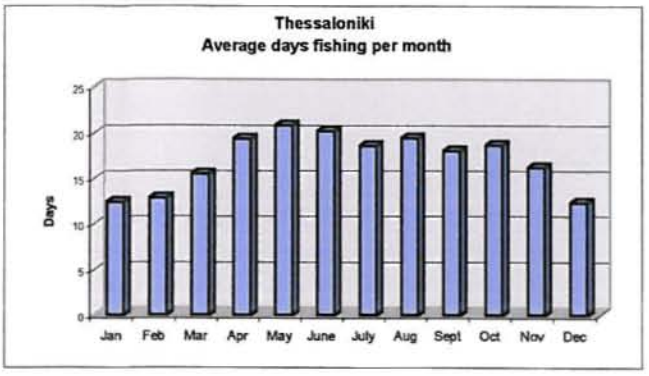

Kalymnos
Distribution of the sampled fleet by engine-power
Number
5-10
10-15
15-20
Engine power (HP)

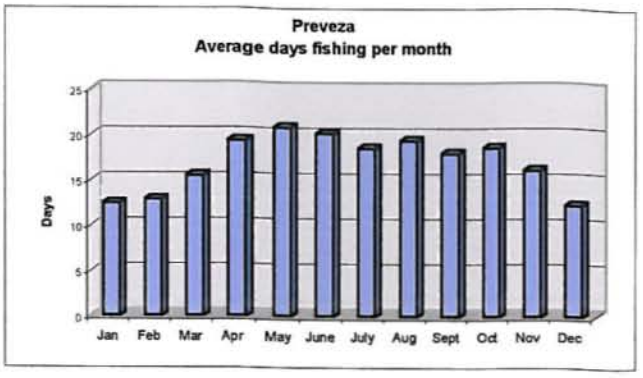

Githio
Distribution of the sampled fleet by engine-power
Number
10-15
Engine power (HP)

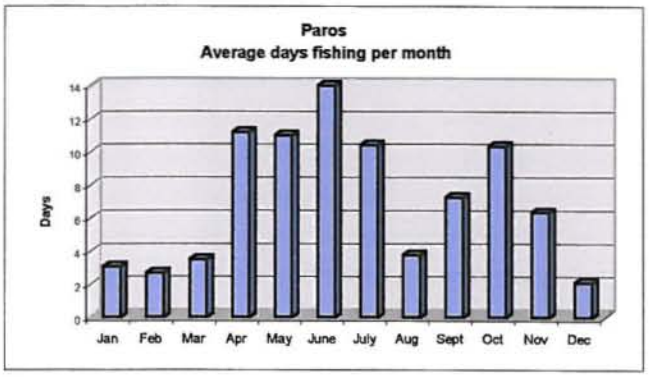

Chalkis
Distribution of the sampled fleet by engine-power
Number
5-10
10-15
15-20
Engine power (HP)

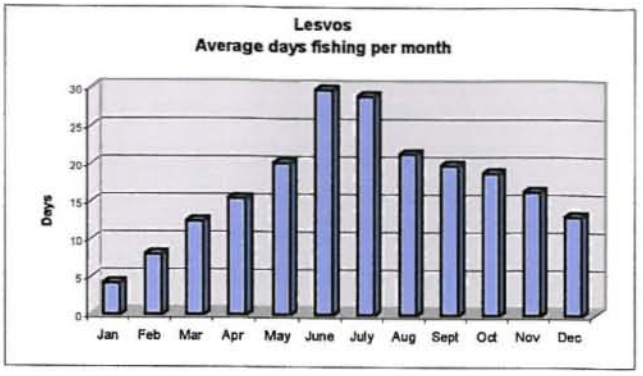

Chalkidiki
Distribution of the sampled fleet by engine-power
Number
5-10
10-15
Engine power (HP)

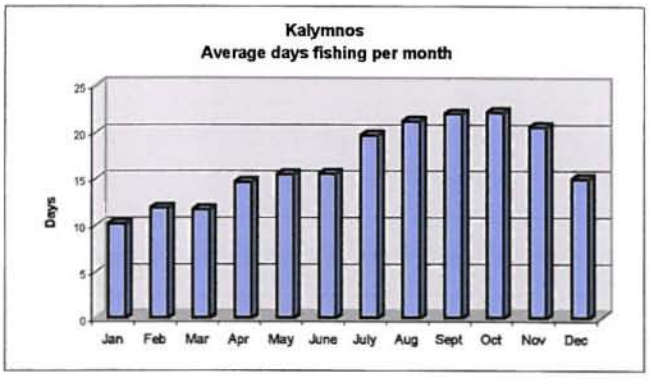

Alex/polis
Distribution of the sampled fleet by engine-power
Number
5-10
10-15
15-20
Engine power (HP)

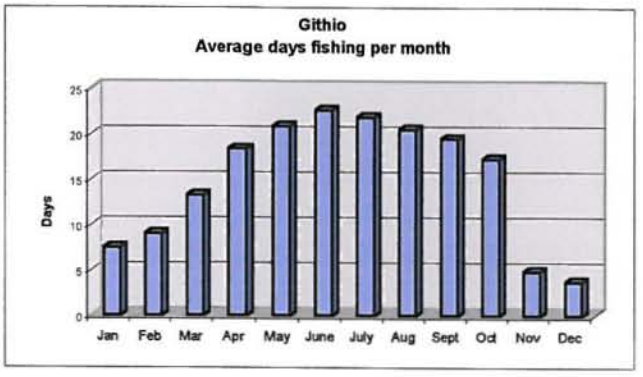

Thessaloniki
Average days fishing per month
Days
0
5
10
15
20
25
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

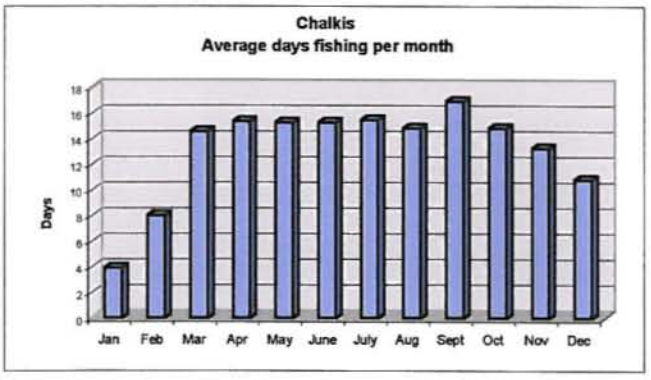

Preveza
Average days fishing per month
Days
0
5
10
15
20
25
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

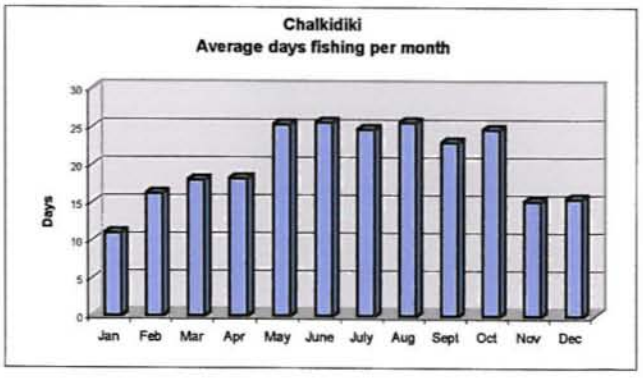

Paros
Average days fishing per month
Days
0
2
4
6
8
10
12
14
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

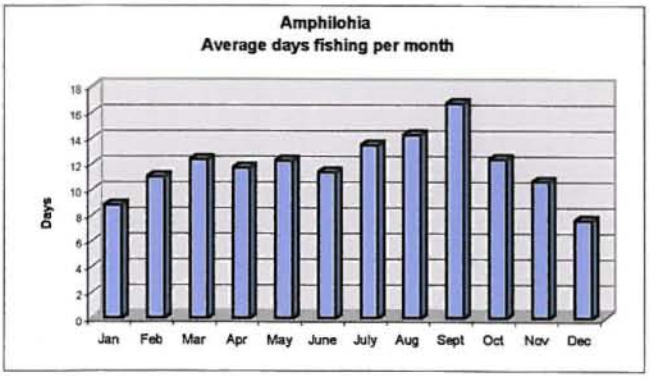

Lesvos
Average days fishing per month
Days
0
5
10
15
20
25
30
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

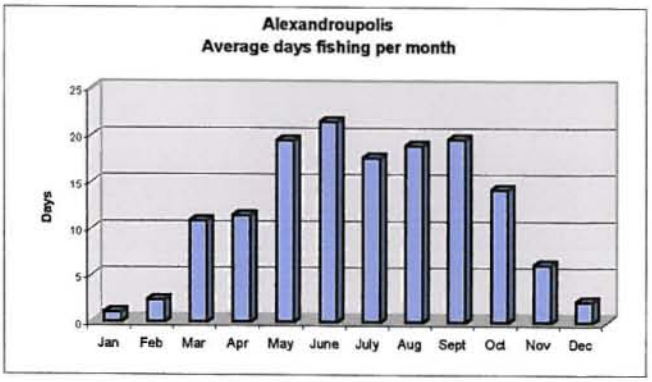

Kalymnos
Average days fishing per month
Days
0
5
10
15
20
25
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

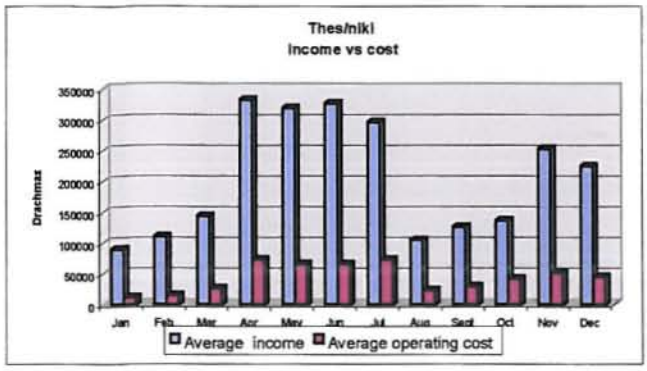

Githio
Average days fishing per month
Days
0
5
10
15
20
25
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

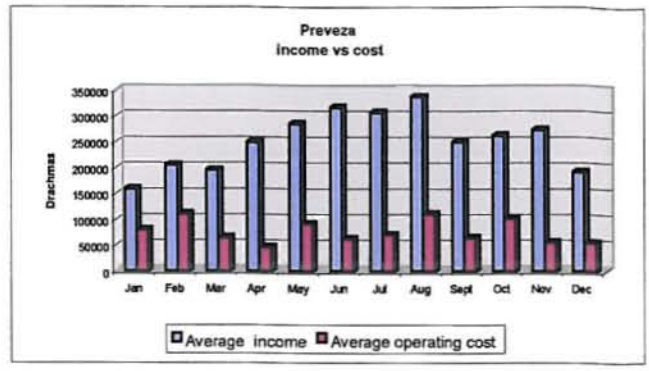

Chalkis
Average days fishing per month
Days
0
2
4
6
8
10
12
14
16
18
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

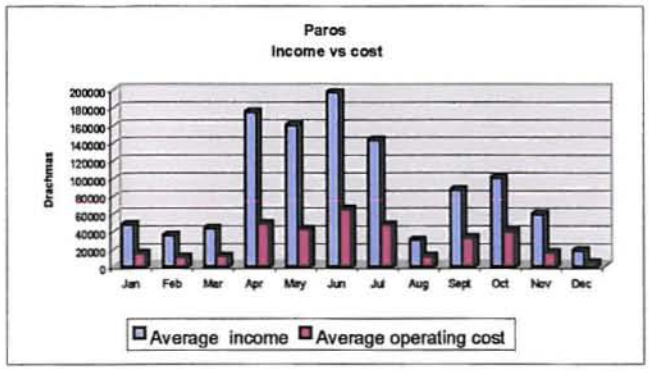

Chalkidiki
Average days fishing per month
Days
0
5
10
15
20
25
30
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

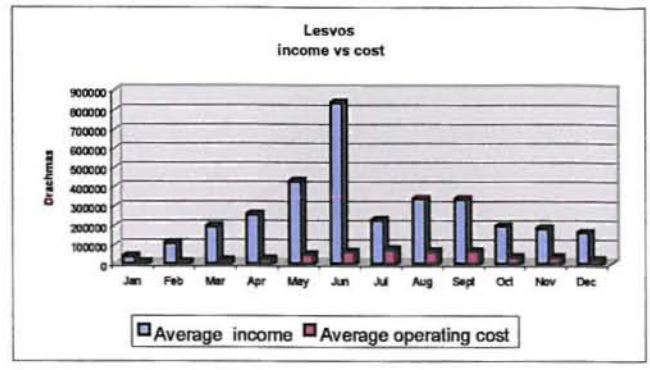

Amphilohia
Average days fishing per month
Days
0
2
4
6
8
10
12
14
16
18
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

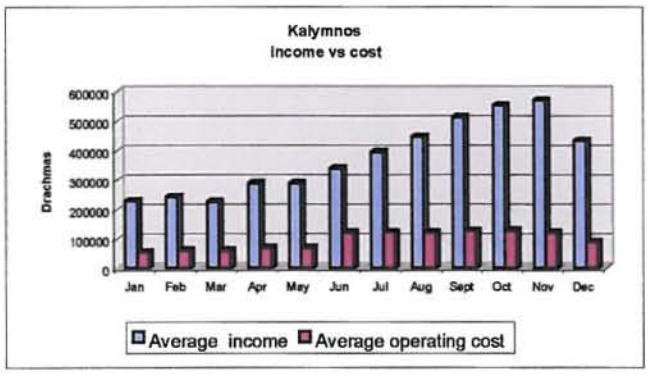

Alexandroupolis
Average days fishing per month
Days
0
5
10
15
20
25
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

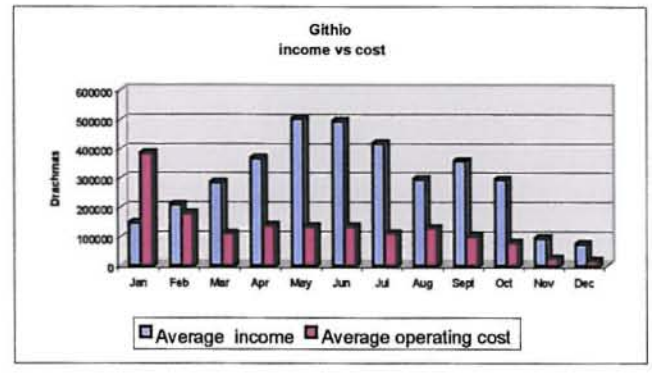

Thes/niki
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

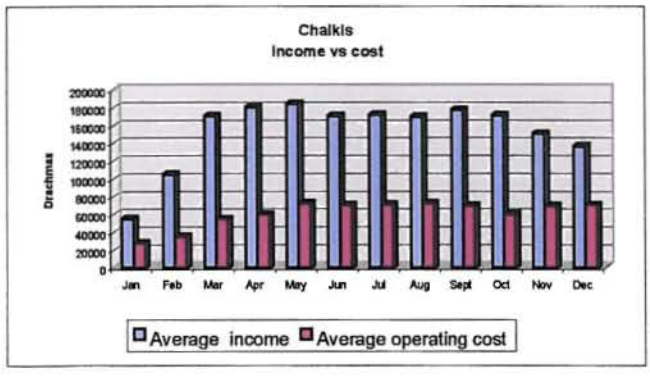

Preveza
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

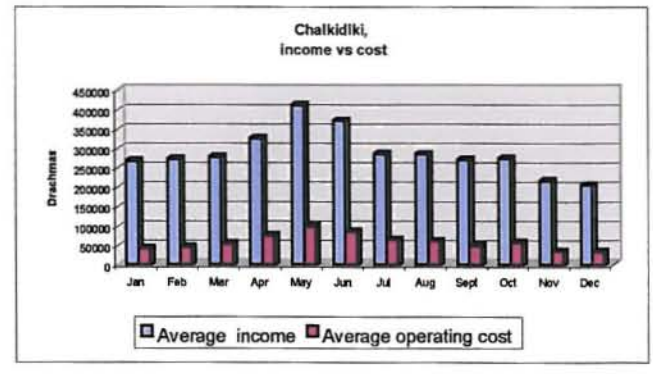

Paros
Income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

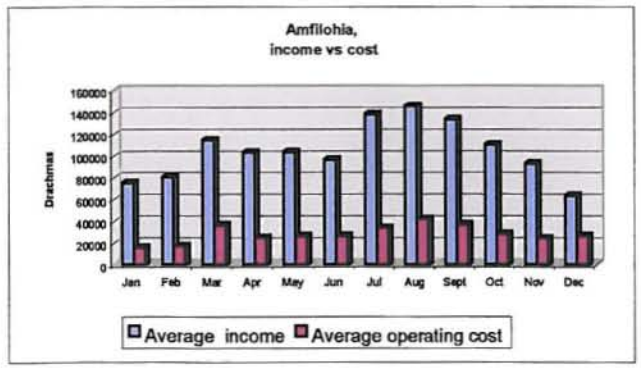

Lesvos
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

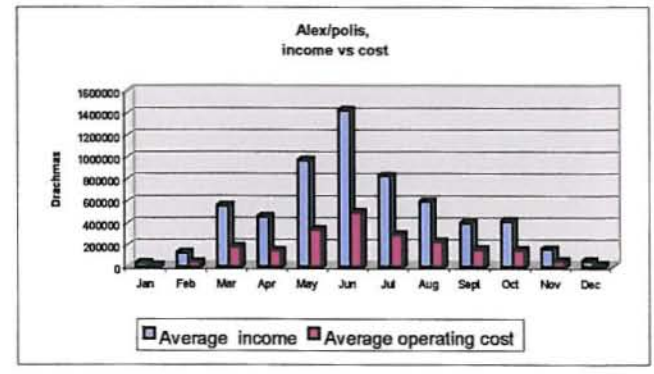

Kalymnos
Income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

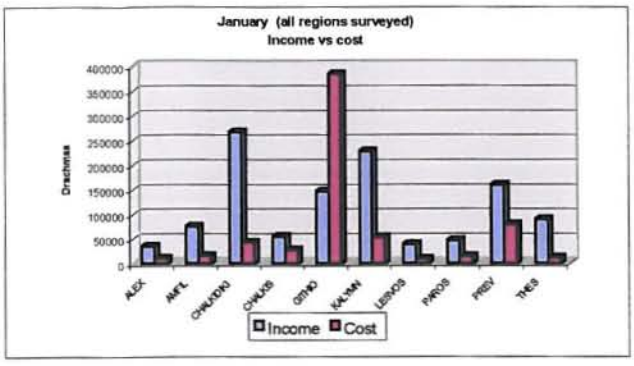

Githio
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

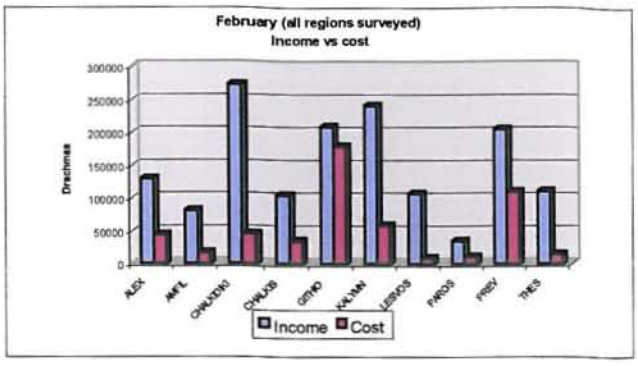

Chalkis
Income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

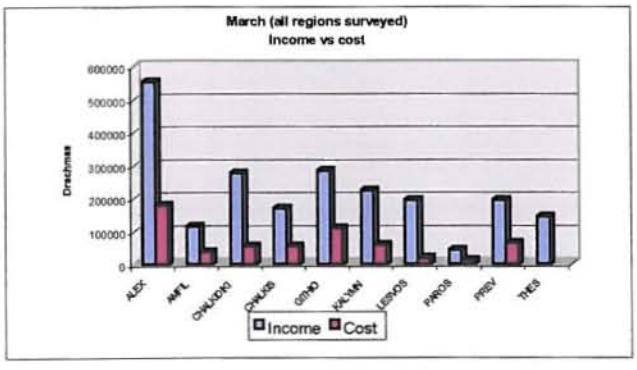

Chalkidiki,
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

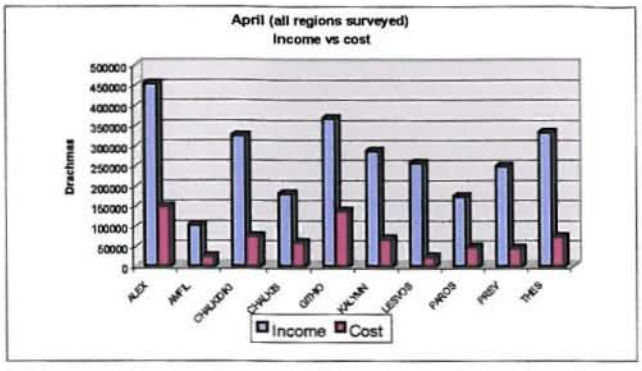

Amfilohia,
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

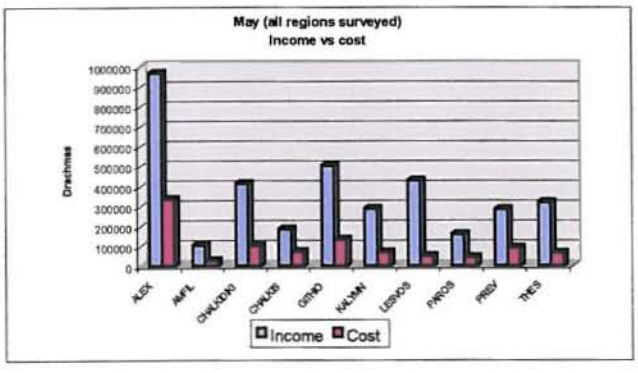

Alex/polis,
income vs cost
Drachmas
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec
Average income
Average operating cost

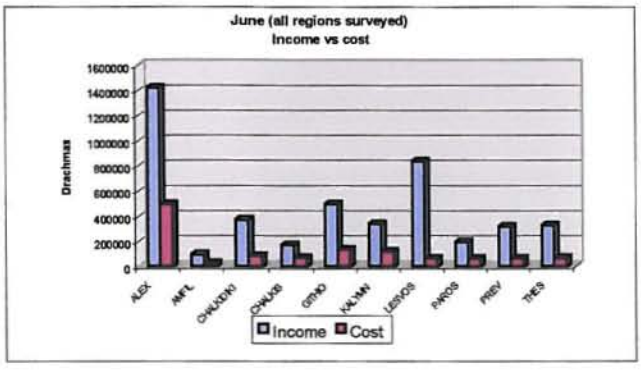

January (all regions surveyed)
Income vs cost
Drachmas
400000
350000
300000
250000
200000
150000
100000
50000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

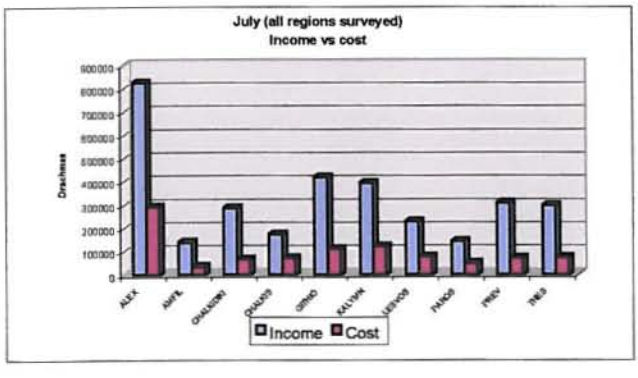

February (all regions surveyed)
Income vs cost
Drachmas
300000
250000
200000
150000
100000
50000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

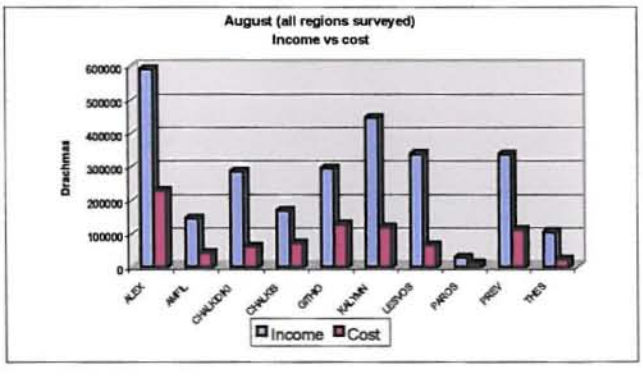

March (all regions surveyed)
Income vs cost
Drachmas
600000
500000
400000
300000
200000
100000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

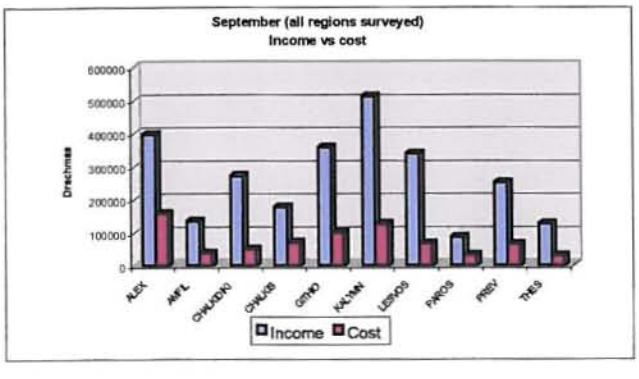

April (all regions surveyed)
Income vs cost
Drachmas
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

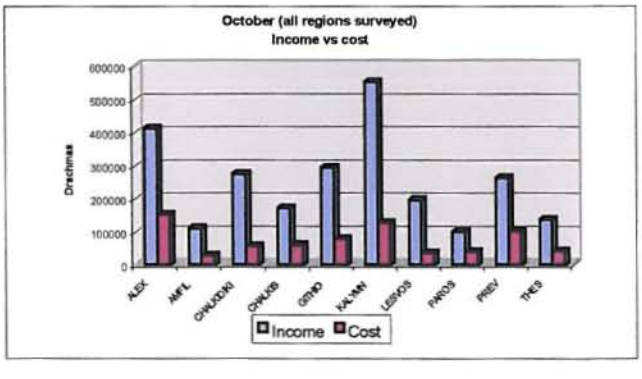

May (all regions surveyed)
Income vs cost
Drachmas
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

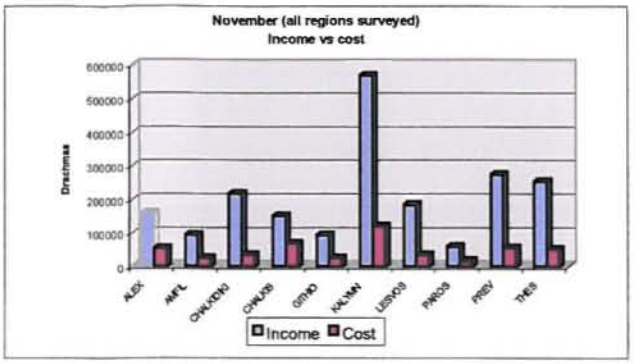

June (all regions surveyed)
Income vs cost
Drachmas
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

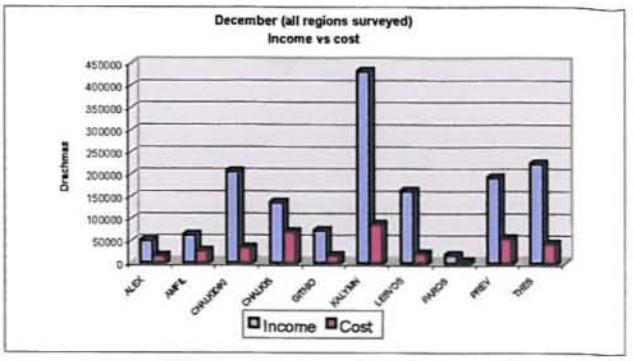

July (all regions surveyed)
Income vs cost
Drachmas
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost


August (all regions surveyed)
Income vs cost
Drachmas
600000
500000
400000
300000
200000
100000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost


September (all regions surveyed)
Income vs cost
Drachmas
600000
500000
400000
300000
200000
100000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost


October (all regions surveyed)
Income vs cost
Drachmas
600000
500000
400000
300000
200000
100000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost


November (all regions surveyed)
Income vs cost
Drachmas
600000
500000
400000
300000
200000
100000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost


December (all regions surveyed)
Income vs cost
Drachmas
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
ALEX
AMFI.
CHALKIDIKI
CHIOS
GITHO
KALYMN
LESVOS
PAROS
PREV
THES
Income
Cost

APPENDIX IX

Human Resources Employed

Research Team of *"Nireus Fisheries & Aquaculture Consultants SA"*

- Philippos Papageorgiou (Coordinator & editor)
- Apostolos Karagiannakos
- Evangelia Proiou
- Socrates Moschouris
- Georgos Triantafyllidis
- Christos Magoutas
- Miltiadis Kalamaras
- Katerina Kalanzti

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- Alcibiades Economou (Coordinator & editor)
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- Maria Stoumboudi
- Kostas Gritzalis
- Ilias Bertahas
- Haralampos Daoulas

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- Roberta Barbieri
- Stefanos Ioakimidis
- Denis Bailly
- Philio Portokali
- Vasilis Papadakis

Local enumerators

- Ioannis Haniotis (Paros)
- Georgios Katsotourkis (Kalymnos)
- Achileas Katsandonis (Chalkida)
- Dimitris Tasioulas (Preveza)
- Anna Malliouri (Thessaloniki)
- Ioannis Apostolopoulos (Chalkidiki)
- Georgios Baladimas (Aitolakarnania)
- Theodoros Sarikas (Alexandroupolis)
- Pantelis Lemanis (Lesvos)
- Thalis Ladakakos (Githio)