EUROPEAN COMMISSION

Quality of bathing water

(1999 bathing season)

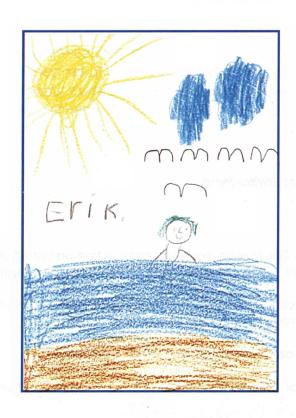


May 2000 — EUR 19505

EUROPEAN COMMISSION

Quality of bathing water

(1999 bathing season)



Directorate-General for Environment B-1049 Bruxelles

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Foreword

The authorities in the Member States monitor bathing waters in order to do everything possible to secure the best water quality for citizens, whether tourists or local residents.

I am convinced that all the relevant authorities are committed to this task and are doing their utmost. Unfortunately, factors which are beyond our control, such as heavy precipitation, or unavoidable, like pollution incidents, can have an adverse effect on bathing water quality. On the other hand a great deal can be, and has already been, done to collect and treat urban waste water and minimise the impact of the subsequent discharges into the sea and rivers. Moreover, every time that the public is informed, at the earliest possible stage, of any event impairing water quality and of the measures taken to remedy it, the authorities apply the precautionary principle, consequently enabling the public to make an informed choice.

I conclude that the commitment shown by the Member States and the Commission has produced results and that bathing water quality has improved considerably over the years, particularly along Europe's coasts. It must nevertheless be added that in recent years this improvement has been less clear-cut. Have we reached the limit of what is feasible? I do not think so. More than that, I believe that action taking account of the hinterland would bring further improvements in water quality. That said, it must be added — as my predecessors have often stated — that there is still room for improvement in freshwater quality, which remains far below the standard attained in coastal waters. Could the integrated approach improve the results there as well?

This report shows that continuous progress has been made towards improving coastal and freshwater bathing areas, even if it has been less marked over the last two or three years. Nevertheless, I hope that this progress will be sustained.

Margh Welloling

Margot WALLSTRÖM

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1. Introduction

A. About the report

1. Subject of the report

This report is published annually (¹) by the Commission prior to the bathing season of the current year. Its purpose is to inform the public of the quality of bathing areas in the Community's various Member States over the past year. This report therefore relates to the 1999 bathing season. It also covers the evolution in the quality of bathing water in relation to previous bathing seasons (from 1992 to 1999).

The report is based on the results of bathing area monitoring programmes implemented by the Member States. The following parts explain how these monitoring programmes are established and how the Commission makes the quality assessment.

The purpose of this report is not to compare the various Member States. There are considerable differences between countries as to the number of beaches monitored. sampling frequencies and geographic situations. Moreover, the different meteorological conditions (which are at times extreme) present in the various Member States in the same bathing season place them in very different conditions, which means that each Member State begins each bathing season on a different starting block. We should, however, note that the standards set by the directive are the same for all Member States and that regardless of the country or region being examined and regardless of its climatic conditions, the compliance or non-compliance values allocated to the various bathing areas have exactly the same meaning and therefore the same value.

2. What are the requirements under Directive 76/160/EEC (2)?

The competent authorities in the Member States are responsible for the execution of

the requirements of the bathing water quality directive. This means, in practice, that they have to establish and implement monitoring programmes. This is a stepwise process containing the following elements:

1. The identification of bathing areas according to the definition given in Article 1 (2a) of the directive:

All running or still fresh waters or parts thereof and sea water, in which:

- bathing is explicitly authorised by the competent authorities,
- bathing is not prohibited and is traditionally practised by a large number of bathers.

This means that not every stretch of water must be identified as bathing water. In practice this means that at least all natural stretches of water which are (commercially) exploited — for example entrance fee to be paid, those equipped with sanitary accommodation, which is often the case with freshwater bathing areas — and most of Europe's coastal beaches in well-known tourist areas are identified by the competent authorities.

2. The determination of the length of the bathing season according to the definition given in Article 1 (2c) of the directive:

The bathing season is the period during which a large number of bathers can be expected in the light of local custom, and any local rules that may exist concerning bathing and weather conditions.

This can be done locally, regionally or nationally. In average, within the EU, this means from the end of May till the end of September.

^{(&#}x27;) Pursuant to Article 13 of Directive 76/160/EEC of 8 December 1975 (see annex to this report) modified by Article 3 of Directive 91/692/EEC (the so-called 'reporting directive').

⁽²⁾ OJ L 31, 5.2.1976, p. 1.

3. The sampling of the bathing waters during the bathing season. According to Article 6 of the directive, samples should be taken at the place where most bathers can be found and with a specific frequency. The sampling cannot thus be done at randomly chosen moments. The basic rule is a fortnightly sampling and visual and olfactory inspection of the water during the bathing season, plus one additional sample 14 days before the start of the bathing season. For some bathing areas a frequency reduction is granted on the basis of good bathing water quality during the previous two years. The additional sample before the season remains obligatory.

4. The analysis of the water samples by a qualified laboratory (or laboratories). The samples are, in general, analysed as quickly as possible after they have been taken. However, when this is not possible (for example if there is a long distance between the sampling point and the laboratory) utmost care is taken to carefully store and transport the samples. The samples should normally be analysed for all parameters listed in Annex 1 of the directive. However, for some of these parameters no limit values are set and/or derogations on the sampling frequency are foreseen. Priority is therefore given to those parameters that are taken into account for the status calculation as reported in this yearly report: two microbiological parameters - total and faecal coliforms - and three physico-chemical parameters — mineral oils, surface active substances (lasting foam as a result of the presence of detergents)

5. Information to the public during the bathing season. Although the directive does not foresee an explicit in-season reporting, the Commission recommends that the analysis results be posted at a central point of the bathing area. This recommendation is followed at almost all identified bathing areas in the Member States, often accompanied by other relevant information, such as provisions on beach safety, zoning, etc.

and phenols.

6. Reporting to the European Commission. Before 31 December, Member States report the results of the sampling to the Commission. The Commission then publishes, on the basis of these results, this report with the quality assessments and updates the Internet site before the start of the next bathing season.

3. How does the Commission come to the results that are presented in this report?

The Commission receives from the Member States the pass/fail assessment (3) of the samples for the different parameters. The Commission does not receive the actual analysis results, the so-called 'raw data'. The Commission first checks if the required number of samples is taken on the basis of the length of the bathing season and whether a frequency reduction has been allowed. Secondly, according to the number of passed or failed samples, an assessment is made as to whether the water is in conformity with the imperative (minimum) values or with the stricter guide values.

B. Things you need to know to better understand the issue of bathing water quality

1. Microbiological contamination of bathing water

The following pages illustrate the processes involved in microbiological contamination of bathing water.

^(*) This means whether the sample did or did not comply with the imperative values and with the guide values set out in the annex of the directive.

1.1. Setting the scene

Imagine an agglomeration (big or small) near a bathing area, consisting of urban settlements and some industrial development. The agglomeration is, in principle, connected to a waste water collection network, because first of all it is obligatory (under EU Directive 91/271/EEC – urban waste water treatment) for all agglomerations producing waste water quantities for more than 2 000 people and secondly because there is concern about the importance of the nearby bathing area for the development of its tourism. The collection network should be connected to a waste water treatment plant.

Industry uses water in its production processes for cooling, cleaning, etc. Nearby agricultural activity is a particular source of pollution if it is situated in the catchment area of a (little) river discharging directly into a stretch of water with bathing areas.

1.2. Microbiological contamination, and what causes it

Besides the clearly visual pollution by discharges of chemicals, some of which might be accidental, and illegal dumping or wash-off of solid waste, a major part of water pollution is caused by potentially health-threatening micro-organisms, such as bacteria and viruses.

The first possible microbiological contaminator is humans. You always have someone somewhere carrying pathogens in their body (whether they make this person ill or not). The larger the city, the higher the risk that a human contaminator is present. The human pathogens then get into the waste water network via toilets.

The second possible microbiological contaminator is animals. All animals carry a certain quantity of micro-organisms in their digestion system that are potentially threatening for humans. Dog droppings, for

example, can get into the waste water network when pavements and streets are 'flushed' after heavy rainfall. Farmers spread manure (from pigs or cows) onto their land as fertiliser. They are not always careful when doing this or there is a wash-off effect after heavy rainfall and as a result some of it ends up directly in a nearby river or stream. Similarly, if farmers are not careful when storing manure, some of it leaches into surface or groundwater. In these cases, the polluted water does not go through a waste water treatment plant before reaching the bathing area.

The third possible microbiological contaminator is certain types of industry, in particular the agro-food industry: slaughter houses and meat processing factories, tanneries, milk processing, etc.

The presence of microbiological pathogens are generally measured by means of the presence of faecal indicator germs, such as faecal coliforms or faecal streptococci.

1.3. Waste water treatment

There are approximately three types of waste water treatment and a preliminary process called pre-treatment.

Pre-treatment is the removal of stones, sand and fat/grease, using mechanical processes, such as screening, settlement or flotation.

Primary treatment is the removal of suspended solids (bigger than $5\mu m$) by passing waste water (sometimes after particular chemicals are added) through settlement or flotation tanks. This treatment does not remove many of the indicator germs, nor the pathogens.

Secondary treatment is a biological treatment: waste water passes through tanks where bacteria eat pollutants (mainly organic material) and transform it into sludge. If the sludge does not contain too many heavy metals or other dangerous substances, it can

be used as a fertiliser. Otherwise it must be disposed of by incineration or in a landfill. A well-functioning treatment plant with secondary treatment can reduce the quantities of organic material by up to 90 % and reduce the presence of faecal indicator germs (thus, we can assume the presence of pathogens) by up to 99 %. One also has to bear in mind that a number of the faecal indicator germs disappear naturally (they die or are eaten by germ predators). The fact that a certain quantity of indicator germs is not removed is not necessarily harmful, depending on the quality and quantity of the receiving water. However, if the treatment plant has to cope with heavily polluted water, a large number of the indicator germs are still present after secondary treatment. The same situation might occur in case of a plant failure or an overflow.

More advanced treatment involves nutrient removal or disinfection. Nutrients, such as nitrates and phosphates, can be removed by certain specific bacteria or by adding chemicals. The best known techniques of disinfection are chloration, UV radiation or ozone treatment. However, while chloration might kill the indicator germs, the pathogens might be resistant to this treatment, which might create a false idea of safety. UV radiation or ozone treatment are more reliable. One has to bear in mind that this more advanced treatment is not always necessary. It largely depends on the type and quality of the receiving water and the original level and type of pollution of the waste water.

1.4. Receiving water bodies and 'natural' water treatment

The behaviour of indicator organisms and pathogens differs according to the characteristics of the receiving water body. We have to make a clear distinction, on the one hand, between sea water and fresh or inland water and, on the other hand, between cold and warm water. Sea water, because of its high salinity is particularly hostile to pathogens and indicator germs. Pathogens and indicator germs go to an inactivated status (and can thus survive longer) in colder water.

Moreover, currents, wind and the tide and the enormous volume of the sea play an important role in the dilution of treated or untreated waste water. Sunlight provides natural UV radiation which is more effective when treated or untreated waste water is sufficiently diluted.

All this explains why inland waters (rivers and lakes) are in general much more vulnerable to discharges of waste water than sea water.

However, if the discharged quantities of waste water are too large and natural conditions are not favourable, further natural water treatment is not sufficient and waste water may appear or reappear at a bathing area.

1.5. Contamination of bathers

The only way of getting pathogens in your body is by swallowing quantities of water, sometimes even small quantities, which happens when you submerge completely in the water when swimming or playing in the water. Everybody can get contaminated, but small children, the elderly and people already weakened by illness or fatigue are more vulnerable to microbiological contamination.

1.6. Full circle

Some bathers become carriers of microbiological contaminants. Although the microorganisms are then back in their natural host environment and will multiply, they will not necessary make all their hosts ill. The most common symptoms associated with bathing are: gastric-intestinal symptoms, such as diarrhoea or vomiting, ear/eye/respiratory symptoms and skin irritation. There is no real need to panic; they can ruin your holiday but they are not lethal. In any case humans return a fair quantity of microbiological pathogens back into the contamination circle.



2. Causes of (continued) nonconformity with the requirements for the two microbiological parameters set out in the directive

Since its adoption in 1976, the directive has led to an enormous improvement of bathing water quality, in particular for seaside beaches, in most Member States. However, since nowhere in the Union has reached 100 % compliance (more than 20 years after the adoption of the directive) and some bathing areas have remained non-compliant with the requirements of the directive for many years (even during the 1997 bathing season), the question is often asked: how is that possible?

Without accepting this situation, the Commission feels that it is important that citizens know that there are different sources of pollution which need different remedial action or that some remedial actions contain larger action plans than simply waste water treatment.

The easiest to detect and to tackle are 'point sources' of pollution: this means that the pollution is attributable to a particular source, for example the waste water discharge of a factory into a river. In the case of bad bathing water quality the following situations are the most common 'point sources' of pollution:

- direct discharges of untreated or insufficiently treated waste water into the bathing area or its feeding waters;
- malfunctioning of treatment facilities;
- temporary failure of treatment facilities or waste water pumping stations;
- stormwater overflows from combined collecting networks (waste water and rainfall are collected and transported by the same sewering system) or the treatment plant.

The solution to this kind of problem is, in most cases, the construction of waste water

collection networks and their connection to treatment facilities, the construction of treatment facilities, the repair of installations and installation of some sort of remote or video control of the pumping stations, and the modification or extension of existing collecting and treatment installations including stormwater retention and treatment.

It is also to be borne in mind that the actual deadlines for different types of treatment depending on the size of the agglomeration, as set out by the urban waste water treatment directive (4), are 1998, 2000 and 2005

On the other hand, experience across the whole Community has shown that, whilst the major cause of non-compliance was removed by waste water collection and treatment, smaller or 'diffuse' sources of pollution were revealed and, in certain cases, sources of some pollution remain unidentified for the moment. The most important 'diffuse' sources of pollution are:

- leaks in older sewering networks or at joints between houses and public sewers;
- agricultural run-off (both from pasture and arable land);
- changes in tidal or current movements which cause discharged (treated or untreated) waste water to come ashore and contaminate bathing areas.

These problems are less evident to identify and less easy to tackle. In many cases it takes several bathing seasons before the actual source or process is identified. In the case of, for example, agricultural run-off, only a larger programme of improved agricultural practices might bring a solution. In any case, it is much better that the source and its scope is identified than not knowing at all what is going on.

⁽⁴⁾ OJ L 135, 30.5.1991, p. 40.

C. Legal proceedings

By joining the European Union, Member States agree to accept the obligations set out in the EC Treaty and the laws made under it. However, Member States often fail to fulfil these obligations. When this occurs, the European Commission may start an infringement procedure against a Member State on the basis of Article 226 (ex-169)(5) of the EC Treaty. A Member State fails to fulfil an obligation if it has failed to transpose EC law into national legislation on time, has incorrectly transposed EC law or has incorrectly applied EC law in practice.

An infringement procedure follows a strict pattern consisting of four stages. The pricipal aim of the procedure is to solve the problem at the earliest possible stage, and not to end up at the Court of Justice. The first two stages take place in strict confidence between the Commission and the Member State. A press communication will normally be delivered when a reasoned opinion has been decided.

What do the different stages entail?

Stage 1: 'A pre-226 letter'. Such a letter would be sent to the national authorities of a Member State to inform them about an alleged breach of EC legislation. The Commission frequently receives information concerning alleged breaches of EC law. This information is often incomplete or does not clearly specify the exact problem in the relevant Member State, which may lead to a misunderstanding about certain elements of a case. 'A pre-226' letter allows for an exchange of information between the Commission and the Member State and enables the Commission to clarify the factual situation and gain a greater legal understanding of the alleged breach. This stage is not obligatory, as the Commission can start the procedure directly from stage 2, for example where there is a clear breach of EC law.

Stage 2: A letter of formal notice. If it is clear that a Member State has not fulfilled its obliga-

tions, then the Commission may send a letter of formal notice to the Member State stating the elements of the infringement. A Member State then has two months to reply. The reply generally contains the national legal texts through which the EU legislation has been transposed, or the measures that have been taken to fulfil these obligations.

These first two stages are not a 'public' process. This procedure is carried out on a bilateral basis between the services responsible within the Member State and the Commission, involving, of course, the respective legal services. In many cases the procedure ends here.

The following stages are the 'public' part of the procedure. There are no more direct contacts between the services responsible and the procedure is now taken up fully by the legal services.

Stage 3: A reasoned opinion. If the Commission is not satisfied with the reply given by the Member State, it may send a reasoned opinion, detailing the reasons why the Member State has still not complied with EC legislation. A Member State then has two months to comply with the reasoned opinion or to explain why it does not agree with the Commission's opinion.

Stage 4: Court of Justice in Luxembourg. The Commission may decide to put the case before the Court and so would send an application to the Court. The Court case is similar to a normal legal case with legal statements prepared by lawyers, questions posed by the judges and finally a ruling of the Court. If the Court considers that a

^(*) Article 226 of the Treaty states 'If the Commission considers that a Member State has failed to fulfil an obligation under this Treaty, it shall deliver a reasoned opinion on the matter after giving the State concerned the opportunity to submit its observations. If the State concerned does not comply with the opinion within the period laid down by the Commission, the latter may bring the matter before the Court of Justice.'

Member State is indeed in breach of its obligations under EC law, it will declare that in its ruling. The rulings of the Court of Justice are published in the European Court reports. The judgment of the Court is only declaratory, which means that it does not change the legal situation. Therefore, a Member State would need to take the necessary measures to comply with the Court's ruling, for example by adopting new legislation.

The whole procedure takes quite some time, depending, of course, on the complexity of the issue. It is difficult to set an average time span, but one should count at least on one year for stages 1-3 and two years for stage 4.

An infringement procedure generally ends with the ruling of the Court. The Member State must then take the necessary measures to comply with the Court's ruling. If a Member State fails to do so, the Commission has the power to go a step further and to start a new procedure which may result in the Court imposing a financial penalty on the Member State. This is called Article 228 (ex-171) procedure, which refers to the particular provision of the Treaty (°).

(°) Article 228 of the Treaty states:

- 1. If the Court of Justice finds that a Member State has failed to fulfil an obligation under this Treaty, the State shall be required to take the necessary measures to comply with the judgment of the Court of Justice.
- 2. If the Commission considers that the Member State concerned has not taken such measures it shall, after giving the Member State the opportunity to submit its observations, issue a reasoned opinion specifying the points on which the Member State concerned has not complied with the judgment of the Court of Justice.

If the Member State concerned fails to take the necessary measures to comply with the Court's judgment within the time limit laid down by the Commission, the latter may bring the case before the Court of Justice. In so doing it shall specify the amount of the lump sum or penalty payment to be paid by the Member State concerned which it considers appropriate in the circumstances.

If the Court of Justice finds that the Member State concerned has not complied with its judgment it may impose a lump sum or penalty payment on it.

D. Revision of the bathing water directive

At the July 1998 Council meeting the Member States indicated that they preferred the Commission to start work on a new proposal rather than to pursue adoption of the 1994 proposal for revision of the directive, which had become outdated.

The Commission therefore started working intensively on a new proposal. In the light of the comments made by the Member States and by the scientific, technical and management experts, the Commission will take the time to allow an in-depth review.

A series of bilateral meetings were held with the competent authorities and representatives of the various parties concerned during the spring and summer of 1999. The Commission consulted a group of independent experts on issues related to water quality monitoring. A feasibility test was carried out on a management approach during the summer of 1999. Further consultations of experts and feasibility tests will follow during 2000.

Around June 2000 the Commission will publish a communication outlining the principles of a new proposal. This communication will also mark the start of a broader consultation process with all stakeholders. These consultations should culminate in a bathing water conference in the autumn of 2000. On the basis of all the inputs the Commission will come forward with a new proposal at the beginning of 2001.

E. Information to the public

Most of the Member States distribute information on the quality of their bathing areas through the written press, television, videotext or via the Internet during the bathing

season and present a summary report shortly after the bathing season.

For more detailed information, citizens may always contact the national authority responsible for this sector in their country. Similarly, they may request any documentation by contacting the Commission's representative in each Member State.

In order to identify and monitor more bathing areas, citizens are invited to contact their national competent authority or the Commission's representative office (see page 17), as well as the Commission department in Brussels which is in charge of this area, if they see that a bathing site which they regularly visit could be governed by this directive, but is not mentioned in the Atlas.

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18 Dawson Street — Dublin 2 — Ireland (C) (353-53) 606 00; FAX (353-53) 606 99 © (353-1) 662 51 13; FAX (353-1) 662 51 18 Italia Ministero della Sanità Commissione europea Rappresentanza in Italia Via Poli, 29, I-00187 Roma Dipartimento della prevenzione e dei farmaci Via della Sierra Nevada, 60, I-00144 Roma (C) (39) 06 59 94 42 01; [AX] (39) 06 59 94 41 10 (39) 06 69 99 91; FAX (39) 06 679 16 58, 679 36 52 Luxembourg Administration de l'environnement Commission européenne Division des eaux Représentation au Luxembourg 1a, rue Auguste Lumière — L-1950 Luxembourg Bâtiment Jean Monnet (352) 40 56 56-413; FAX (352) 49 18 84 Rue Alcide De Gasperi — L-2920 Luxembourg (352) 43 01-1; FAX (352) 43 01-34433 Nederland Ministerie van Verkeer en Waterstaat Europese Commissie Directoraat-generaal Rijkswaterstaat Representatie in Nederland Rijksinstituut voor Integraal Zoetwaterbeheer en Afvalwaterbehandeling/RIZA Postbus 30465 — 2500 GL Den Haag Postbus 17 — 8200 AA Lelystad Nederland (31-70) 346 93 26; FAX (31-70) 364 66 19 (31-320) 29 84 11; FAX (31-320) 24 92 18 Österreich Bundesministerium für Arbeit, Gesundheit und Soziales Europäische Kommission Stubenring 1 — A-1010 Wien (£) (43-1) 711 72; FAX (43-1) 718 71 83 Vertretung in Österreich Kärntnerring 5-7 — A-1010 Wien (C) (43-1) 516 18-0; FAX (43-1) 513 42 25 Portugal Ministério do Ambiente Comissão Europeia Instituto da Água Gabinete em Portugal Direcção de Serviços de Recursos Hídricos Av. Almirante Gago Coutinho, 30 — P-1000 Lisboa (C) (351) 218 43 00 00;[EAX] (351) 218 40 92 18 Centro Europeu Jean Monnet Largo Jean Monnet, 1-10.º — P-1200 Lisboa © (351) 213 50 98 00 FAX (351) 213 50 98 01/02/03 **Finland** Kansanterveyslaitos Euroopan komission Suomen edustusto/ Europeiska kommissionens representation i Finland FIN-70701 Kuopio Pohjoisesplanadi 31/Norra esplanaden 31 FIN-00100 Helsinki/Helsingfors © (358-9) 622 65 44; FAX (358-9) 65 67 28 (358-17) 20 13 74; FAX (358-17) 20 11 55 Sverige Europeiska kommissionen Blekholmsterrassen 36 — S-106 48 Stockholm Representationen i Sverige (46-8) 698 15 18; FAX (46-8) 698 15 85 Nybrogatan II, 3 tr. — Box 7323 — S-103 90 Stockholm (0 (46-8) 56 24 44 11; FAX (46-8) 56 24 44 12 Department of the Environment, Transport and Regions Water Quality 1 — Zone E/15
Ashdown House — 123 Victoria Street
London SW1E 60E — United Kingdom United European Commission Representation in the United Kingdom Kingdom Jean Monnet House — 8 Storey's Gate
London SW1P 3AT — United Kingdom

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The EU Internet site and those of the Member States

The information in this report is merely a snapshot of the water quality status during a particular bathing season. Although more and more elements are introduced to allow a multi-annual evaluation for the water quality in each Member State as a whole, a paper report does not present multi-annual information for each and every bathing area. The Commission — which is always looking to facilitate the dissemination of results and encourage citizens to commit themselves to, and participate in, the monitoring of the quality of bathing water — therefore presents this information on the Internet.

You can find this 'extended' version of the 'Quality of bathing water' report on the 'Water' homepage of the DG Environment site at the Commission's 'Europa' site: http://europa.eu.int/water/water-bathing/index_en.html

If you want more EU information or want to ask particular questions about water-related issues please contact:

European Commission DG Environment/D.1 200 rue de la Loi B-1049 Brussels

E-mail: water@cec.eu.int

More and more Member States have information concerning their bathing areas on the Internet. Some have information almost on-line. Others take a bit more time to update their sites.

België/Belgique: Vlaanderen: http://www.vmm.be/

Wallonie: http://mrw.wallonie.be/dgrne/data/eau/baignade

Danmark: http://www.mst.dk/

Deutschland: Baden-Württemberg: http://www.landesgesundheitsamt.de/Wasser/Index.htm

Bremen: http://www.bremen.de/

Bremen: http://kbs45.informatik.uni-bremen.de/start.html Niedersachsen: http://homepages.emsnet.de/~nlga-aur

Ελλάδα/Greece: http://www.minenv.gr/

España: http://www.msc.es/salud/ambiental/

France: http://www.sante.gouv.fr/htm/dossiers

Ireland: http://www.epa.ie/

Italia: http://www.sanita.it/balneazione

Luxembourg: http://www.mev.etat.lu/

Nederland: http://www.waterland.net/homepage/zwemwater.html

Österreich: http://www.bmags.gv.at/

Portugal: http://www.inag.pt/ ⇒ SNIRH ⇒ Dados de Síntese ⇒ Anual (relatórios) ⇒

Zonas balneares

Sverige: http://www.environ.se/dokument/fororen/bad/bad.html

United Kingdom: England and Wales: http://www.environment-agency.gov.uk/gui/dataset1/1frame.htm

Scotland: http://www.sepa.org.uk/stateenv/

2. ATLAS

A. How is the information presented?

The 'Atlas' shows, for each Member State, the compliance rate for each bathing zone identified with regard to two microbiological parameters (1 and 2): 'total coliforms' and 'faecal coliforms' and three physico-chemical parameters (8, 9 and 10), which may be seen in the directive's technical annex: mineral oils, surface-active substances and phenols.

The maps and lists of each Member State's bathing areas — presented on one or more double-page spreads, depending on the number of coastal and freshwater bathing areas — are preceded by three pages containing general information on bathing water quality of both the freshwater and coastal zones: trends, compliance calculations, general information on waste water treatment and the dissemination of information to the public, cross-reference tables allowing a comparison between the bathing season in question and the previous bathing season, etc.

Left-hand page

Bathing areas are classified by administrative entities and numbered.

The description of a bathing area includes its identification number and whether or not it complies — symbolised by a colour symbol — assessed on the basis of two microbiological parameters ('total coliforms and faecal coliforms'), and three physico-chemical parameters ('mineral oils, surface-active substances and phenols'), for which the directive stipulates a minimum sampling frequency and mandatory values which are not to be exceeded.

Right-hand page

The maps which appear on the right-hand pages contain the same information as those on the left-hand pages, with the exception of the descriptions of bathing areas.

Bathing areas (O or A) are listed on the right-hand pages by administrative entity in continuous series. Only the first and last bathing areas belonging to the administrative entity in question are numbered. The identification of a non-numbered zone may be obtained by interpolation. Information (identification and compliance) on each point represented on the map may be found on the opposite page.

Zones are classified by colour code:

Zones sufficiently sampled

▲ ● blue symbol: bathing area complies with guide values (¹).

water of good quality

▲ ● green symbol: bathing area complies with mandatory values (²).

water of acceptable quality

▲ ● red symbol: bathing area does not comply or was not sampled

water of insufficient quality

Zones insufficiently sampled

△ ○ orange symbol: frequency sampling too low, but the various parameters measured comply with manda-

tory values

a beach whose water quality is insufficiently monitored

▲ ● red symbol: bathing area not sampled or insufficiently sampled and not complying with the minimum

standards in the directive

Zones closed to bathing by Member State

▲ ● black symbol: bathing area where bathing was prohibited for the duration of the bathing season

Two other symbols are used on the left-hand pages of the Atlas:

- (+) to the left of a colour symbol means that this bathing zone's quality status has improved compared to the previous bathing season,
- to the left of a colour symbol means that this bathing zone's quality status has deteriorated compared to the previous bathing season.

If there is no \bigoplus or \bigoplus to the left of a colour symbol, it means that there has been no change in the quality status of the bathing zone compared to the previous bathing season.

B. How to read the cross-reference tables

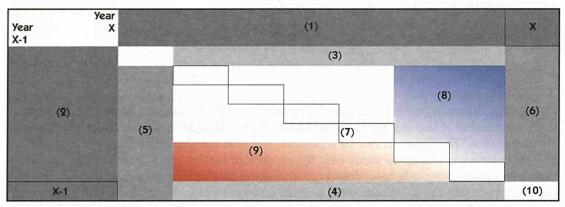
In the relevant introductory sheets relating to each Member State, the reader will find cross-reference tables — one for the coastal zones and one for freshwater zones. By using these tables, it is possible to compare the results for the bathing season covered by the report (year X) with the results for the previous bathing season (year X-1). Reading and understanding these tables constitutes a particularly useful tool providing an unambiguous display of whether and how changes have taken place. The tables indicate which bathing zones have retained the same status from one bathing season to another and show whether performance levels in the various categories have moved up or down (i.e. whether or not the results comply with the standards laid down in the directive).

^{(&#}x27;) Compliance with the more rigorous guide values for the two microbiological parameters and compliance of the three physio-chemical parameters with the minimum mandatory values.

^(*) Compliance with the minimum mandatory values for both the two microbiological parameters and the three physio-chemical parameters.

Type of bathing zones

Microbiological and physico-chemical parameters considered



1

The figures shown in row 1 of the cross-reference table refer to the bathing zones accounted for during the bathing season covered by the report.

Each cell shows the number of bathing zones concerned in relation to their quality status (Ban, NS, NC, Freq, C(I), C(G)). The first cell (DEL) gives the number of bathing zones that have been withdrawn compared with the previous bathing season. The last cell gives the total number of bathing zones recorded for the season in question.

2

The figures shown in column 2 of the cross-reference table refer to the bathing zones accounted for during the previous bathing season.

Each cell shows the number of bathing zones concerned as a function of their status. The first cell (New) gives the number of new bathing zones added for the bathing season referred to in the report. The last cell gives the total number of bathing zones accounted for during the previous bathing season.

3 and 4

Row 3 of the cross-reference table shows the status of the bathing zones added for the season analysed in the report. The figure shown in each cell indicates the number of new bathing zones depending on their relevant status.

Row 4 of the cross-reference table shows, for the season in question, the status of the bathing zones which were also accounted for during the previous bathing season. The first cell in this row (DEL) shows the number of bathing zones that have been excluded for the analysis exercise covering the bathing season dealt with in this report.

5 and 6

Column 5 of the cross-reference table shows the status of the bathing zones that have been withdrawn compared with the previous bathing season. The figure shown in each cell indicates the number of bathing zones and their relevant status during the previous season.

Column 6 of the cross-reference table shows, for the bathing season covered by this report, the status during the previous bathing season of the bathing zones concerned. The first cell in this row (NEW) shows the number of new bathing zones that have been added for the analysis exercise covering the bathing season in question.

7

The figures shown in the cells arranged diagonally within the table indicate, for each status level, the number of bathing zones whose status has not changed compared with the previous bathing season. The figure in cell 10 represents the total number of bathing zones that have not undergone any change in status (this figure, divided by the total number of bathing zones in respect of which records have been kept during the previous bathing season, gives the percentage of bathing zones whose status has not undergone any change from one bathing season to another).

8

The figures to the right of this diagonal — in the blue zone — show, for each status level under consideration, the number of bathing zones whose status has improved compared with the previous bathing season. The more to the right on a row, the greater the improvement in status.

9

The figures to the left of this diagonal — in the red zone — show, for each status level under consideration, the number of bathing zones whose status has deteriorated compared with the previous bathing season. The more to the left on the row, the greater the deterioration in status.

Ratio

The ratio is an indicator reflecting changes in the average quality of bathing water from one bathing season to another. It provides information on the significance of any shift in the status of bathing zones, also accounted for during the previous bathing season, towards a more favourable status (blue zone (8)) or a less favourable status (red zone (9)) during the bathing season covered by this report.

The ratio is thus calculated by taking the number of bathing zones that have 'slipped' into the blue zone (8), divided by the number of bathing zones that have slipped into the red zone (9). The higher the figure (>1) the more positive the slide and the greater the improvement in the average status of the bathing zones vis-à-vis the previous bathing season. The lower the figure (<1) the more negative the slide and the greater the deterioration in the average status of the bathing zones vis-à-vis the previous bathing season. Retention of the status quo would be expressed by a ratio of 1. This ratio does not take account of the bathing zones added/withdrawn for the bathing season covered by the report. Consequently, an element of bias may be introduced if a significant number of bathing zones has been added/withdrawn in relation to the total number of bathing zones considered during the previous bathing season.

Stability index

The objective of the stability index is to indicate the proportion of the bathing areas which have maintained the same status as in the previous bathing season. Consequently, the stability index is in no way an indicator of average bathing water quality. It is a value expressed as a percentage, i.e. between 0 and 100%. A stability index close to 100 indicates that only a small proportion of the bathing areas have changed status compared with the previous bathing season. A low stability index indicates that the status of many bathing areas has changed (whether positively or negatively) since the previous bathing season.

The index is calculated by adding together the totals for the number of bathing areas showing no change of status since the previous bathing season (along the diagonal in the cross reference table) and then dividing the result by the total number of bathing areas monitored during both of the two consecutive bathing seasons. Consequently, bathing areas withdrawn since the previous bathing season or new bathing areas added during the new bathing season are not taken into account. The percentage is obtained by multiplying the result by 100.

Unlike the ratio, which is an indicator reflecting changes in the average quality of bathing water from one bathing season to another, the stability index expresses the scale of changes of status observed from one bathing season to the next, regardless whether positive or negative.

The stability index must therefore be interpreted in the light of the ratio and of the number of bathing areas actually monitored. Clearly, the higher the compliance rate, the greater the advantage of a high stability index. Conversely, if the compliance rate is low in one bathing season, it will be more advantageous to have a low stability index for the next season, although, in this case, it must be coupled with a high ratio (over 1).

Working example:

With a view to providing the reader with a better insight into the cross-reference tables, an example is given below. It does not refer to any Member State in particular or to any particular bathing season.

Freshwater zones

(TC, FC, MO, SA, PHE)

	1998	DEL	BAN	NS	NC	Freq	C (I)	C (G)	Total 98
1997		32	1	0	137	45	426	1 220	1 829
NEW	15		1				3	11	15
Ban	0								0
NS	0								0
NC	85	6			19		25	35	79
Freq	185	12			6	45	18	104	173
C (I)	327	4			37	Charles I	155	131	323
C (G)	1 249	10			75	TO SER SON	225	939	1 239
otal 97	1 846	32	0	0	137	45	423	1 209	1 158

Records covering the 1998 bathing season have been kept in respect of 1 829 bathing zones. The bathing zones are subdivided as follows, depending on their status level:

- (Ban = 1) bathing is prohibited for one of the zones under consideration;
- (NS = 0) there is no bathing zone that has 'not been sampled'; if this had been the case, the zone in question would be regarded as non-complying with the mandatory values laid down in the directive;
- (NC = 137) 137 bathing zones were not in compliance with the mandatory values laid down in the directive;
- (Freq = 45) 45 bathing zones were insufficiently sampled;
- (C (I) = 426) 426 bathing zones comply (only) with the mandatory values laid down in the directive;
- (C(G) = 1220) 1 220 bathing zones comply with the mandatory and the (stricter) guide-line values laid down in the directive.

The total number of zones complying with the mandatory values is thus 1 646 (426 + 1 220). It contains the 426 zones only complying with the mandatory values (C(I)) and the 1 220 zones that comply with the stricter guide values (C(G)) and thus logically had to comply first with mandatory values.

— (DEL = 32) 32 bathing zones have been withdrawn compared with the previous bathing season (1997).

2

For the 1997 bathing season, records have been kept for 1 846 bathing zones. The bathing zones were subdivided as follows, depending on their status level: (NC = 85; Freq = 185; C(I) = 327; C(G) = 1 249).

Some 15 new bathing zones were added during the 1998 bathing season.

3 and 4

Of the 15 new bathing zones, 1 is prohibited for bathing, 3 comply with the mandatory values and 11 comply with the guide values.

Regarding the 1 846 bathing zones accounted for during the 1997 bathing season, the following status was calculated for the 1998 bathing season: 32 have been withdrawn; 137 are not in compliance, 45 have been insufficiently sampled; 423 comply with the mandatory values; 1 209 comply with the guideline values.

5 and 6

Some 32 bathing zones have been withdrawn for the 1998 bathing season of which 6 were not in compliance, 12 were insufficiently sampled, 4 complied with the mandatory values; 10 complied with the guideline values during the 1997 bathing season.

The status of the 1 829 bathing zones accounted for in 1998 was as follows during the 1997 bathing season: 79 were not in compliance, 173 had been insufficiently sampled, 323 complied with the mandatory values, 1 239 complied with the guide values and 15 new bathing zones were added.

7

Of the 1 846 bathing zones accounted for during the 1997 bathing season, 1 158 zones — more than 62 % (1 158/1 846) — kept the same status in the 1998 bathing season. Looking at the different status levels, the following can be said: 19 were still not in compliance, 45 had still not been sufficiently sampled, 155 still complied with the mandatory values and 939 still complied with the guide values.

8 9

Of the 85 bathing zones that were not in compliance during the 1997 bathing season: 19 have not changed status; 6 have been withdrawn; 25 have come into compliance with the mandatory values; 35 have come into compliance with the guide values during the 1998 bathing season.

Of the 185 bathing zones that had been insufficiently sampled during the 1997 bathing season, 45 have not changed status, 12 have been withdrawn, 6 did not comply, 18 have come into compliance with the mandatory values and 104 have come into compliance with the guide values during the 1998 bathing season.

Of the 327 bathing zones complying with the mandatory values during the 1997 bathing season, 155 have not changed status, 4 have been withdrawn; 37 no longer complied and 131 have come into compliance with the guide values during the 1998 bathing season.

Of the 1 249 bathing zones complying with the guide values during the 1997 bathing season, 939 have not changed status; 10 have been withdrawn; 75 no longer complied and 225 only complied with the mandatory values during the 1998 bathing season.

Ratio = 0.91 (313/343)

In conclusion, it may be stated that the average status of bathing zones has deteriorated. Status levels have slipped slightly more towards the red zone than to the blue zone: 313 bathing zones also accounted for during the 1997 bathing season have a 'better' status during the 1998 bathing season, whereas 343 bathing zones have seen a negative quality status shift.

Stability index = 63.84%

The stability index is 1158 / (656 + 1158) = 63.84%. This is fairly low and can be attributed, inter alia, to the more precarious balance in freshwater zones due to their geographical location. Unfortunately, this stability index is coupled with a ratio below 1 which means that the average status of the bathing areas taken into account during the two bathing seasons has deteriorated.

Consequently, a fairly low stability index, coupled with a ratio below 1, suggests problems and certain imperfections with maintaining the quality of the bathing areas from one bathing season to the next.

C. Warning

Three Member States — France, Denmark and Finland — were still not measuring the 'total coliforms' microbiological parameter during the 1998 bathing season, despite the fact that the directive makes it mandatory to measure this parameter.

After the Commission started infringement procedures, both Denmark and Finland amended their national legislation at the end of 1998 and measured total coliforms for the first time during the 1999 bathing season. Consequently, from now on this parameter is also taken into account for calculating the status of bathing areas in these two countries. Since this parameter was measured and, hence, included for the first time during the 1999 bathing season, this could possibly have produced slightly lower results without, however, signifying any real problem with the microbiological quality of these bathing areas.

D. Maps and lists of bathing areas in each Member State

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Summary of results for the European Union

1. Results

Table 1 — Results from 1992 to 1999

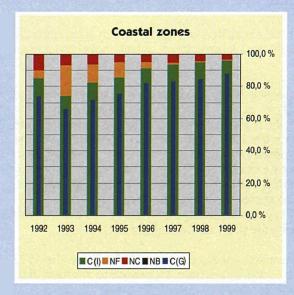
- Σ : total number of bathing areas taken into account.
- $C\left(I\right):$ percentage of bathing areas sufficiently sampled which comply with mandatory values.
- C (G): percentage of bathing areas sufficiently sampled which comply with mandatory values and guide values.
- NF : percentage of bathing areas insufficiently sampled.
- NC : percentage of bathing areas which do not comply with mandatory values or not sampled (or data unavailable).
- NB : percentage of bathing areas where bathing was prohibited for the duration of the bathing season.

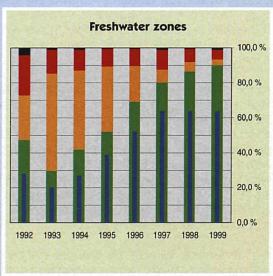
These percentages are calculated in relation to all of the bathing areas for the 'total coliforms' and 'faecal coliforms', 'mineral oils', 'surface-active substances' and 'phenols' parameters. They cover 14 Member States (France submitted no results for the 1999 bathing season).

European Union		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992 (1)	10 972	84.9	73.5	4.8	9.9	0.4
	1993 (1)	11 361	73.9	65.7	19.0	6.9	0.2
	1994 (')	11 790	82.3	71.5	11.1	6.4	0.2
	1995 (²)	12 487	85.3	74.8	9.3	5.3	0.1
	1996 (2)	12 934	91.4	81.9	3.6	4.9	0.1
	1997 (²)	13 129	93.3	82.8	1.1	5.4	0.2
	1998 (2)	13 218	94.6	83.8	0.7	4.6	0.1
	1999 (4)	11 435	95.6	87.3	0.6	3.5	0.2
Freshwater zones	1992 (1)	5 273	47.5	27.8	25.3	23.2	4.0
	1993 (1)	5 522	29.7	19.9	55.1	14.5	0.7
	1994 (1)	5 382	41.6	26.8	45.4	12.2	0.8
	1995 (°)	5 907	51.7	38.7	37.4	10.3	0.6
	1996 (²)	6 117	68.9	52.0	20.8	9.8	0.5
	1997 (3)	6 180	79.8	63.5	7.8	11.6	0.8
	1998 (3)	6 004	86.5	63.6	5.5	7.5	0.5
	1999 (4)	4 376	90.2	66.9	3.2	5.4	1.1

- (1) Eleven Member States.
- (2) (1) + two new Member States (Finland and Sweden).
- (3) (2) + Austria.
- (4) (3) except France.

Graph 1 — Results from 1992 to 1999





In accordance with Article 13 of Directive 76/160/EEC, as amended by Article 3 of Directive 91/692/EEC, every year the Member States submit to the Commission a comprehensive report on their bathing water and the most significant characteristics thereof. This was the second bathing season for which the United Kingdom submitted information on its freshwater zones. France submitted no results for the 1999 bathing season, neither for its coastal nor for its freshwater zones.

The table set out below presents, respectively, the results for coastal zones and freshwater zones in all Member States except France from 1992 to 1999. The table and the associated graphs present results based on compliance rates with two microbiological parameters ('total coliforms' and 'faecal coliforms') and three physico-chemical parameters ('mineral oils', 'surface-active substances' and 'phenols'), for which the directive stipulates a minimum sampling frequency and mandatory values which are not to be exceeded.

As in previous bathing seasons, the results submitted by the Member States show a regular and significant improvement in the quality of both coastal and freshwater bathing areas, but also a very slight increase (larger for freshwater zones) in the number of areas where bathing was prohibited. A very clear distinction remains, however, between the quality of coastal zones and the quality of freshwater zones. The quality of coastal zones is often good but the results for freshwater zones, despite showing an improvement over the 1998 bathing season, still point to unsatisfactory situations.

2. Number of bathing areas recorded (coastal: 11 435; freshwater: 4 376)

The figures submitted are set out below, all things considered and excluding France.

The total number of coastal bathing areas covered was 72 higher than in the previous bathing season, giving a total of 11 435 areas for the 1999 season. In the case of freshwater zones, for the second year in succession the total number of bathing areas for all Member States fell (by 76) to give a total of 4 376 areas for the 1999 season.

3. Comments

Regrettably, several Member States are still failing to comply with the sampling frequencies laid down for monitoring coastal and freshwater bathing areas. This point is particularly negative, since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

Quality of coastal zones (1999 bathing season)

The results include all the Member States with the exception of France, which submitted no results for the 1999 bathing season, and Austria and Luxembourg, which have no coastal zones

All the parameters measured indicate an improvement in bathing water quality compared with the 1998 bathing season. On average, water quality in coastal bathing areas remains high in the Member States as a whole. Compliance rates with the mandatory values and guide values are quite good and have shown a steady improvement since the 1993 bathing season. Compared with the previous bathing season, compliance with the mandatory values rose from 94.6 to 95.6 % and with the guide values from 83.8 to 87.2 %, an increase of over 3 %. The percentage not complying with the mandatory values decreased consequently, from 4.6 % for the 1998 bathing season to 3.6 % in 1999. The percentage of bathing areas insufficiently sampled also fell slightly, from 0.7 % in 1998 to 0.6 % for the 1999 bathing season. Only the percentage of areas where bathing was prohibited rose very slightly to 0.2 % (0.1 % during the previous bathing season).

It is remarkable to note the changes in the parameters measured since 1992. Since the 1993 bathing season (with a rare exception here or there), the figures have not ceased to improve, des-

pite the addition of two new Member States (Finland and Sweden) in 1995 and the steady increase in the number of bathing areas where water quality is monitored. The percentage of areas where bathing is prohibited fluctuates very slightly from one bathing season to the next, but not by any significant amount.

Quality of freshwater zones (1999 bathing season)

The results cover all the Member States, including the United Kingdom, which reported on freshwater zones for the second year in succession but excluding France, which submitted no results for the 1999 bathing season.

Similar to the situation for the coastal zones but more markedly, all the parameters measured indicate an improvement in bathing water quality compared with the 1998 bathing season. Logically, this improvement is more marked than the figure for coastal zones, because the figures submitted for certain parameters remain relatively low. The percentage of bathing areas complying with the guide values (66.8%) and/or mandatory values (90.2%) rose by 3.2 and 3.7% respectively compared with the 1998 bathing season. The percentage of bathing areas not complying with the mandatory values fell by almost 2% – from 7.5% in 1998 to 5.6% for the 1999 bathing season. Since the 1997 bathing season, the fall has been fairly significant, totalling 6%. The percentage of bathing areas insufficiently sampled also fell fairly sharply, from 5.5% for the 1998 bathing season to 3.2% for the 1999 season. Finally, the percentage of areas where bathing was prohibited fell by 0.4% to 1.0% for the 1999 bathing season.

There are big differences in quality between Member States' freshwater bathing areas, which are much more pronounced than in the coastal zones. In many cases, appropriate measures must be taken. However, over the years, the results reported for freshwater zones have been drawing closer to the results for coastal waters. The difference between the compliance rates with the mandatory values laid down in the directive in coastal and freshwater zones is around 5 %, but the difference between the compliance rates with the stricter guide values is still large (over 20 %).

Nevertheless, there is one particularly encouraging sign: as is the case with coastal zones, the average quality of freshwater zones in the Member States has been improving continuously since 1993, a trend confirmed by the results for the 1999 bathing season.

4. Analysis of the changes

Table 2 — Cross-reference tables (1998 and 1999 bathing seasons)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	A 1.5	241	19	3	406	71	958	9 978	11 435
NEW	313	0	0	3	12	17	28	253	313
Ban	19	1	14	0	0	0	1	3	18
NS	7	4	0	0	1	0	1	1	3
NC	493	52	1	0	132	5	117	186	441
Freq	93	10	0	0	1	36	2	44	83
C (I)	1 013	37	2	0	112	0	451	411	976
C (G)	9 738	137	2	0	148	13	358	9 080	9 601
Tot. 98	11 363	241	19	0	394	54	930	9 725	146749

Coastal zones (ratio = 1.2; stability = 87.3 %)

The ratio is just over 1. This reflects the fact that, on average, the changes which occurred in the 12 Member States (Austria and Luxembourg have no coastal zones and France submitted no results) between the 1998 and 1999 bathing seasons showed a slight improvement in the average quality of the coastal bathing areas.

The stability index is 87.3 %, which shows that only 12.8 % of the areas taken into account during the 1998 bathing season and again during the 1999 season changed status from one bathing season to the next. This seems to suggest (in view of the ratio close to 1) that maintaining the quality of the bathing areas from one bathing season to another does not, in general, pose too much of a problem and at least is easier to achieve than in the freshwater bathing areas.

It must also be stressed that 71 bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that not only were bathing areas which were insufficiently sampled during the previous bathing season still being sampled insufficiently, but also even bathing areas which were sampled correctly during the 1998 bathing season were insufficiently sampled during the 1999 season.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		176	47	5	237	141	1 020	2 926	4 376
NEW	100	0	2	0	4	7	35	52	100
Ban	26	7	4	0	2	2	6	5	19
NS	7	3	1	0	0	0	3	0	4
NC	369	24	18	0	83	8	112	124	345
Freq	260	46	0	0	26	89	27	72	214
C (I)	884	32	9	5	53	1	468	316	852
C (G)	2 906	64	13	0	69	34	369	2 357	2 842
Tot. 98	4 452	176	45	5	233	134	985	2 874	

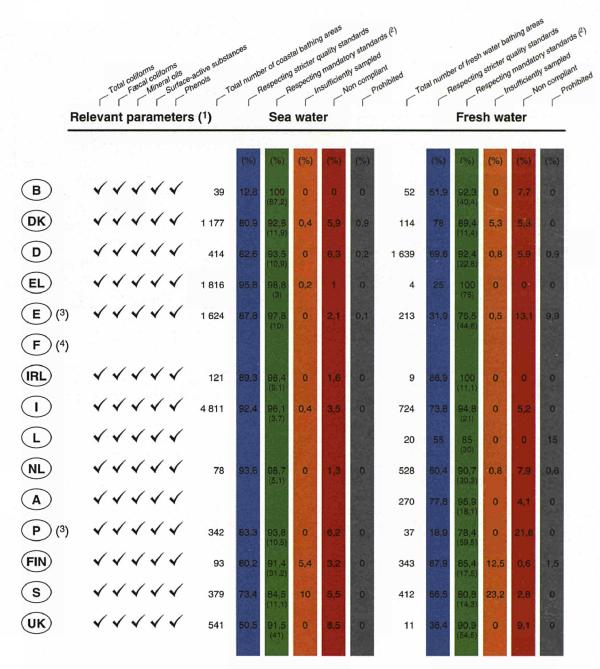
Freshwater zones (ratio = 1.2; stability = 70.2 %)

Just as for the coastal zones, the ratio is just over 1 and therefore reflects the fact that, on average, the changes which occurred in the 14 Member States (France submitted no results for the 1999 bathing season) between the 1998 and 1999 bathing seasons showed a slight improvement in the average quality of the freshwater bathing areas.

The stability index is appreciably lower for the freshwater zones than for the coastal zones. This seems to suggest (in view of the ratio close to 1) that it is harder to maintain the quality of the bathing areas from one bathing season to another in the freshwater bathing areas. Only 70.2 % of the bathing areas kept the same status as during the previous bathing season.

The comment made on the sampling rates for the coastal zones also applies to the freshwater zones. It is completely unacceptable that the sampling frequencies for monitoring the quality of the bathing areas were not observed in every case.

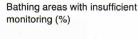
SUMMARY OF RESULTS 1999



- (1) Quality has been evaluated for the five parameters mentioned above:
- in green: compliance with the minimum quality standards for all parameters;
- in blue: compliance with the stricter recommended values for the first two parameters (microbiological) and with the minimum quality standards for the three other parameters.
- (2) The percentage also contains the percentage complying with the stricter recommended values. The percentage complying with the minimum (mandatory) values only is stated between brackets.
- (3) Non-continental and/or overseas territories are not represented but are taken into consideration for the conformity calculations.
- (4) France submitted no results for the 1999 bathing season.

Bathing areas not respecting minimum (mandatory) quality standards (%)

Bathing area where bathing was prohibited for the duration of the bathing season (%)

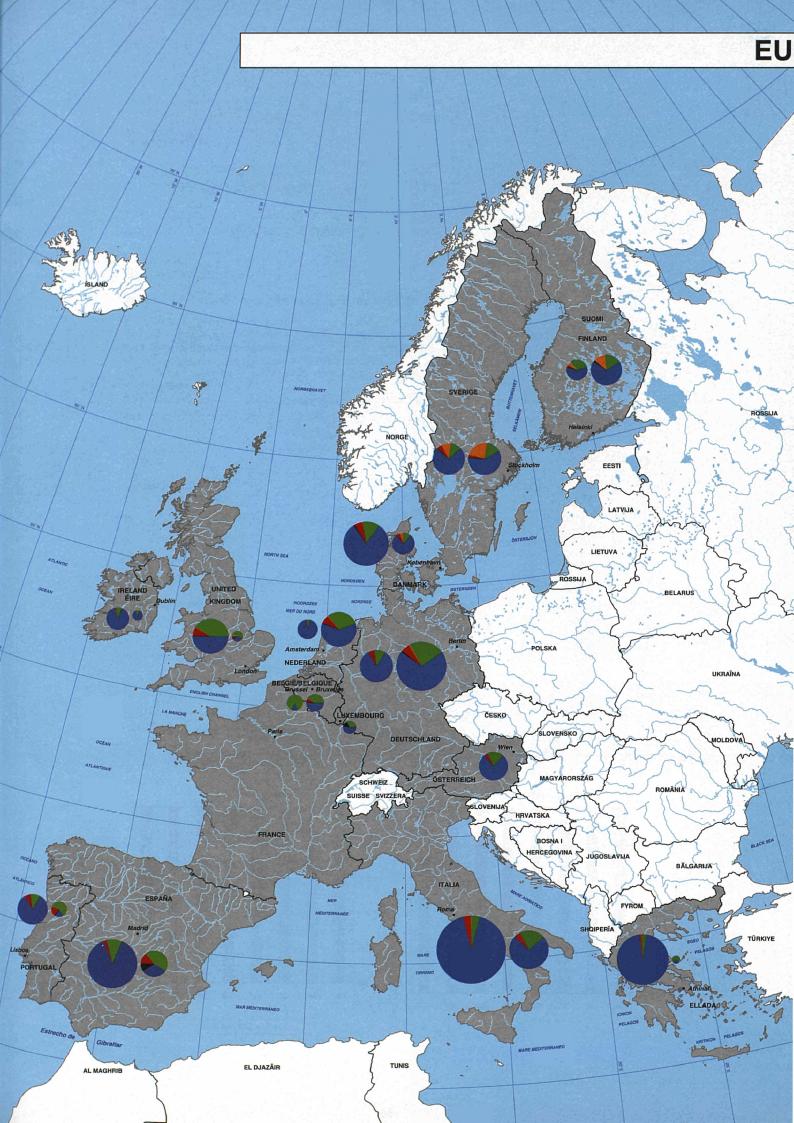


Bathing areas meeting the minimum (mandatory) quality standards but not the stricter recommended (guide) standards (%) (1)



Total number of bathing areas per country and water type

Bathing areas meeting both the minimum and the recommended quality standards (%) (1)



Belgium

1. 1999 bathing season

1 April to 30 September Coastal zones:

Freshwater zones: In general, 15 June to 15 September

Main results 2.

Table 1 — Evolution of the results from 1992 to 1999

: total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

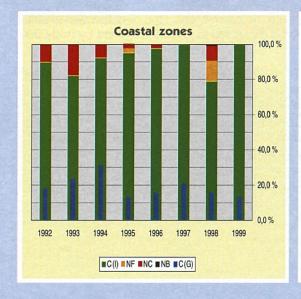
NF : percentage of bathing areas insufficiently sampled; NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

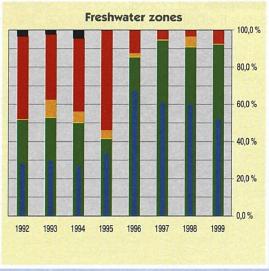
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

						DOMESTIC AND DESCRIPTION OF	
Belgium		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	39	89.7	17.9	0.0	10.3	0.0
	1993	39	82.1	23.1	0.0	17.9	0.0
	1994	39	92.3	30.8	0.0	7.7	0.0
	1995	39	94.9	12.8	2.6	2.6	0.0
	1996	39	97.4	15.4	0.0	2.6	0.0
	1997	39	100.0	20.5	0.0	0.0	0.0
	1998	39	92.3	15.3	0.0	7.7	0.0
	1999	39	100.0	12.8	0.0	0.0	0.0
Freshwater zone	s 1992	85	51.8	28.2	0.0	44.7	5.5
	1993	85	52.9	29.4	9.4	35.3	2.4
	1994	86	50.0	26.7	5.8	39.5	4.7
	1995	87	41.4	33.3	4.5	54.0	0.0
	1996	55	85.5	67.3	1.8	12.7	0.0
	1997	56	94.6	60.7	0.0	5.4	0.0
	1998	55	96.4	63.6	0.0	3.6	0.0
	1999	52	92.3	51.9	0.0	7.7	0.0

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 39; freshwater: 52)

The number of coastal bathing areas taken into account during the 1999 bathing season remained unchanged compared with the previous season. Three freshwater bathing areas were withdrawn.

4. Comments

Although the values reported for the coastal zones show an improvement in the average quality of the bathing areas compared with the previous bathing season, this was not the case in freshwater zones, where the values observed deteriorated.

In the coastal zones, all the bathing areas complied with the mandatory values. However, the percentage of bathing areas complying with the stricter guide values fell further from 15.3 %, which was already particularly low, to 12.8 %. There were no areas where bathing was prohibited.

In the freshwater zones, all the indicators showed a downturn. The percentage of bathing areas complying with the mandatory values fell by over 4 % (to 92.3 %) and the percentage complying with the guide values (51.9 %) in turn was down by over 10 % compared with the previous bathing season. Despite the withdrawal of two bathing areas which had failed to comply with the mandatory values, the percentage of bathing waters which failed to comply rose by over 4 % (to 7.7 %) compared with the previous bathing season. As in the 1998 bathing season, there were no areas where bathing was prohibited and all the bathing areas were sampled sufficiently.

5. General information

Public information

The Flemish Region published booklets relating to water quality, one on the Belgian coast and one about ponds. These booklets were distributed via doctors, district councils, tourist information offices and the persons responsible for bathing ponds. During the summer months, news bulletins dealing with bathing water quality are broadcasted via radio and television. Information is also posted at the bathing spots. The press is informed each week of the quality of all the bathing areas (certain newspapers devote special attention to it). Information is also distributed via Teletext and on the Internet.

Wastewater treatment

Following the great effort, which has been devoted in recent years to the construction of the infrastructure for wastewater treatment along the Belgian coast, the scheme is for the most part completed. Additional investments (limited and targeted) will make it possible to further improve the quality of coastal bathing waters. In the Walloon Region, authorities drew up an investment plan over four years, which was planned to begin in 1996.

6. Infringement procedure

An infringement procedure for non-compliance with the parameters in the directive was brought before the Court of Justice in May 1998. The Court is expected to give its judgment by mid-2000.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	4915 6 19	0	0	0	0	0	34	5	39
NEW	0	vistaitiel z		Sensia, April		g section			0
Ban	0								0
NS	0		Tellando Mi						0
NC	3						3		3
Freq	0								0
C (I)	30						30		30
C (G)	6	Shirt of the					1	5	6
ot. 98	39	0	0	0	3	0	34	5	

Coastal zones (ratio = 3.0; stability = 89.7 %)

The ratio is 3.0, which reflects clearly positive changes of status compared with the previous bathing season. The three bathing areas which failed to comply with the mandatory values during the 1998 bathing season were brought into line with these values during the 1999 season. One of the six bathing areas which previously complied with the guide values complied with only the less strict mandatory values during the 1999 bathing season.

This ratio is also coupled with a relatively high stability index for the bathing areas, since only 4 of the 39 bathing areas taken into account during the 1999 bathing season changed status compared with the previous season.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	alliana also	3	0	0	4	0	21	27	52
NEW	0		SKE	SETHOLOW					0
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NC	2	2	The state of the						0
Freq	0			ration of		8			0
C (I)	18				2		12	4	18
C (G)	35	1			2		9	23	34
ot. 98	55	3	0	0	4	0	21	27	4) T 2018

Freshwater zones (ratio = 0.3; stability = 67.3 %)

The ratio is 0.3, which confirms a very marked deterioration in the average quality of the freshwater bathing areas during the last bathing season. Two major trends can be observed:

- a significant deterioration in bathing areas which complied with the guide values during the previous bathing season but only with the less strict mandatory values during the 1999 season;
- four bathing areas which had complied with the mandatory and; or guide values during the 1998 bathing season ceased to comply with the mandatory values.

In addition, two bathing areas which had failed to comply were withdrawn.

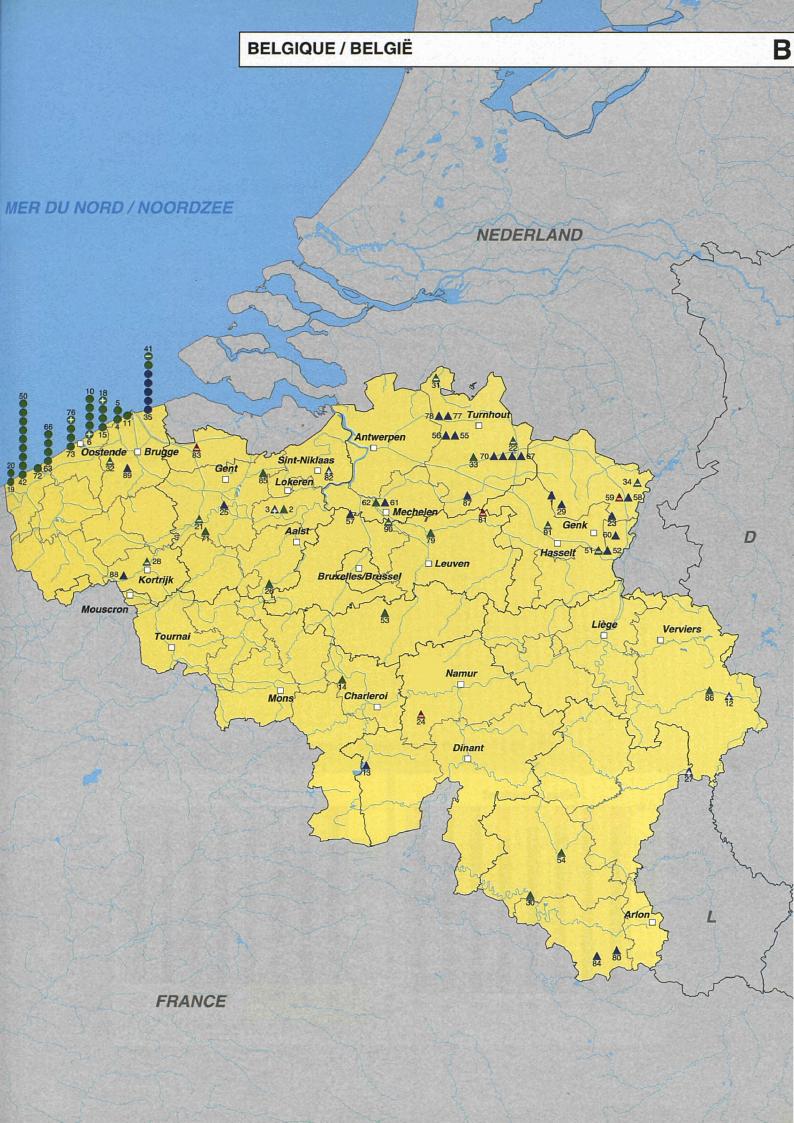
Nevertheless, four bathing areas which complied with just the mandatory values during the previous bathing season were also brought into line with the stricter guide values.

The stability index is 67.3%, which highlights the negative trend in the results for the freshwater zones. Not only were the changes largely negative, but they affected a significant proportion of the bathing areas since 32.7% of them changed status compared with the previous bathing season.

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	BREDENE HET DUINGAT
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46	OOSTDUINKERKE "TWENTY ONE"

47 OOSTDUINKERKE CENTRUM 48 OOSTDUINKERKE GROENENDIJK
49 OOSTDUINKERKE ST.ANDRE
50 OOSTDUINKERKE WESTHELLING
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52 A LANAKEN SONNEVIJVERS (KLEINE VIJVER)
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54 ▲ LIBRAMONT-CHEVIGNY ETANG DU COMPLEXE SPORT
LILLE 55 A LILLE DE LILSE BERGEN (GROTE VLIVER)
55 ▲ LILLE DE LILSE BERGEN (GROTE VIJVER) 56 ▲ LILLE DE LILSE BERGEN (KLEINE VIJVER)
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68 A MOL ZILVERMEER (GROTE VIJVER)
69 ▲ MOL ZILVERMEER (KLEINE VIJVER) 70 ▲ MOL ZILVERSTRAND
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71 A NAZARETH ROBERT ORIENTVIJVER NIEUWPOORT
72 NIEUWPOORT BAD
OOSTENDE 73 OOSTENDE "THERMAAL"
74 OOSTENDE MARIAKERKE
75 OOSTENDE RAVERSIJDE
76 ⊕ ● OOSTENDE SPEELPLEIN RIJKEVORSEL
77 A RIJKEVORSEL BREEBOS (GROTE VIJVER)
78 A RIJKEVORSEL BREEBOS (KLEINE VIJVER) ROTSELAAR
79 ▲ ROTSELAAR TER HEIDE
SAINT-LEGER 80 ST LEGER CENTRE SPORTIF ET CULTUREL
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81 © A SCHERPENHEUVEL DE VIJVERS PRINS DEMERODE SINT-NIKLAAS
82 ⊕ ▲ SINT-NIKLAAS DE STER
ST LAUREINS 83 ○ ▲ SINT-LAUREINS BOERENKREEK
VIRTON
84 A VIRTON VALLEE DU RABAIS WACHTEBEKE
85 A WACHTEBEKE PROVINCIAAL DOMEIN PUYENBROECK
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86 A ROBERTVILLE LAC DE ROBERTVILLE WESTERLO
87 A WESTERLO 'T HEULTJE
WEVELGEM 88
ZEDELGEM
89 A ZEDELGEM LAC LOPPEM ZEMST
90 ⊝ ▲ ZEMST BLOSO-CENTRUM HOFSTADE
ZONHOVEN 91 ⊝ ▲ ZONHOVEN HEIDESTRAND
JI J Z ZONI IOVEN NEIDEOTTAND





Denmark

1999 bathing season

1 June to 1 October

Main results

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values; C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

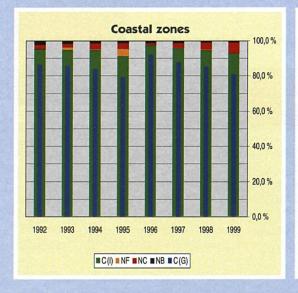
NF : percentage of bathing areas insufficiently sampled;
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

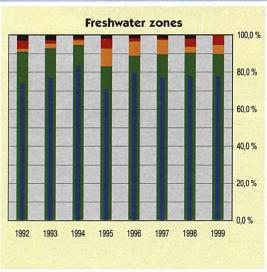
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances, and phenols.

Denmark		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	1 173	94.9	86.4	0.0	2.8	2.3
	1993	1 180	94.5	85.8	1.6	2.2	1.7
	1994	1 190	94.5	83.8	0.6	3.4	1.5
	1995	1 188	91.1	79.5	4.3	3.4	1.2
	1996	1 196	97.2	92.3	0.3	1.3	1.2
	1997	1 195	95.4	87.5	0.5	2.9	1.1
	1998	1 194	94.3	85.6	0.6	4.1	1.0
	1999	1 177	92.7	80.8	0.4	6.0	0.9
Freshwater zone	s 1992	109	90.8	74.3	1.8	4.6	2.8
	1993	108	92.6	76.9	2.8	1.9	2.7
	1994	110	94.5	83.6	2.7	0.9	1.9
	1995	111	82.9	71.2	9.9	5.4	1.8
	1996	113	88.5	79.6	8.0	1.8	1.7
	1997	112	89.3	76.8	8.0	0.9	1.8
	1998	113	90.3	77.9	3.5	4.4	1.8
	1999	114	89.5	78.1	5.2	5.3	0.0

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 1 177; freshwater: 114)

In the coastal zones, 30 bathing areas were withdrawn compared with the previous bathing season and 12 new bathing areas were added. Three new freshwater bathing areas were taken into account for the 1999 bathing season.

4. Comments

For the first time, the 'total coliforms' microbiological parameter was also taken into account for calculating the compliance rates for coastal waters. It had already been included for freshwater zones during the previous bathing seasons.

Generally, the average quality of the bathing areas deteriorated compared with the previous bathing season, both in the coastal zones (more markedly) and in the freshwater zones. It must be added that, unacceptably, both coastal and freshwater bathing areas were still not sufficiently sampled.

In the coastal zones, the percentage of bathing areas complying with the mandatory values (92.7 %) fell by 1.6 %, while the percentage complying with the stricter guide values (80.8 %) in turn fell by 4.8 % compared with the previous bathing season. At the same time, although the percentage of bathing areas insufficiently sampled was down slightly (0.2 %), the percentage failing to comply with the mandatory values (6.0 %) was up by almost 2 %. Only the percentage of areas where bathing was prohibited showed a very slight improvement, falling from 1.0 to 0.9 % in the 1999 bathing season.

Most of the indicators in the freshwater zones were also down, albeit less markedly than in the case of the coastal waters. The percentage of bathing areas complying with the guide values rose very slightly (78.1 %), but the percentage complying with the mandatory values (89.5 %) fell by practically 1 % in the 1999 bathing season. Although there were no longer any areas where bathing was prohibited, the percentage of bathing areas failing to comply with the mandatory values rose from 4.4 % in the 1998 bathing season to 5.3 %, indicating a slight deterioration, while the percentage insufficiently sampled rose from 3.5 to 5.3 % in the 1999 bathing season.

5. General information

Wastewater treatment

The action plan for the aquatic environment will indirectly affect bathing water quality. A substantial share of the amounts reserved for measures of pollution reduction in the aquatic environment will be devoted to measures for improving the system of collecting and treating wastewater. When a bathing area does not fulfil the microbiological requirements for three consecutive seasons, bathing will be prohibited there and the local authorities will carry out a survey into the causes of pollution and take measures to remedy it.

6. Infringement procedure

The Commission decided to issue a reasoned opinion for poor implementation of the directive.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

##### T	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		30	11	0	70	5	140	951	1 177
NEW	12							12	19
Ban	12		11				1		19
NS	0								0
NC	49	2	200 (000)		8		12	27	47
Freq	7	1		10.5040.5		4		2	6
C (I)	104	4			14		33	53	100
C (G)	1 023	23			48	1	94	857	1 000
Tot. 98	1 195	30	11	0	70	5	140	939	

Coastal zones (ratio = 0.6; stability = 78.4 %)

The ratio is rather low, which reflects a sharp slip into the red statuses from one bathing season to the next. The ratio between the 1997 and 1998 bathing seasons was already less than 1. It can be seen that a significant number of bathing areas which complied with the mandatory and/or guide values during the 1998 bathing season ceased to comply with the mandatory values.

It must also be stressed that five bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that not only were bathing areas which were insufficiently sampled during the previous bathing season still being sampled insufficiently, but also even bathing areas which were sampled correctly during the 1998 bathing season were insufficiently sampled during the 1999 season. It can also be seen that 23 bathing areas which had complied with the guide values were withdrawn for the 1999 bathing season.

The stability index is also rather low: 22.7 % of the bathing areas changed status compared with the previous bathing season, with most of them, unfortunately, as the ratio indicates, heading towards lower water quality.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		0	0	0	6	6	13	89	114
NEW	3					1		2	3
Ban	2					2			2
NS	0	venil T							0
NC	3							3	3
Freq	4					3		1	4
C (I)	14						7	7	14
C (G)	88				6		6	76	88
Tot. 98	111	0	0	0	6	5	13	87	

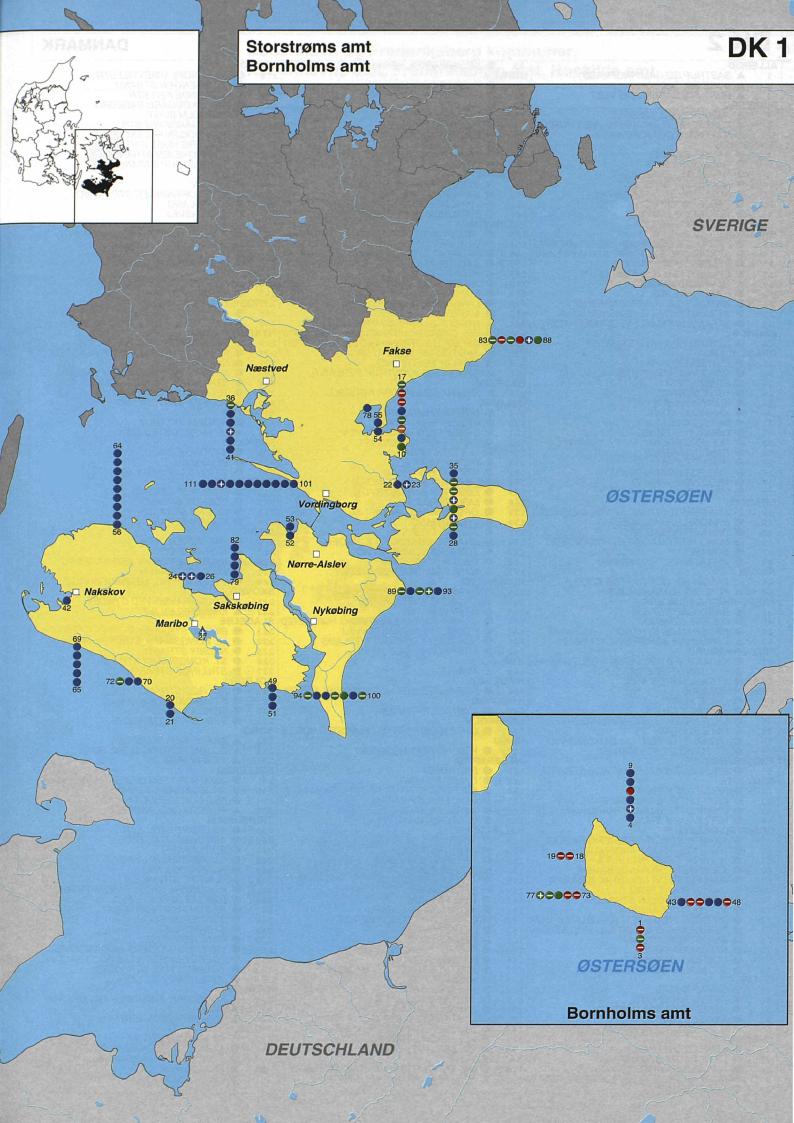
Freshwater zones (ratio = 0.9; stability = 77.5 %)

The ratio is slightly below 1, which means that the changes between one bathing season and another lowered bathing water quality. The stability index is 77.5, which is an acceptable average for freshwater bathing areas, where it seems to be harder to maintain quality from one bathing season to another than in coastal zones.

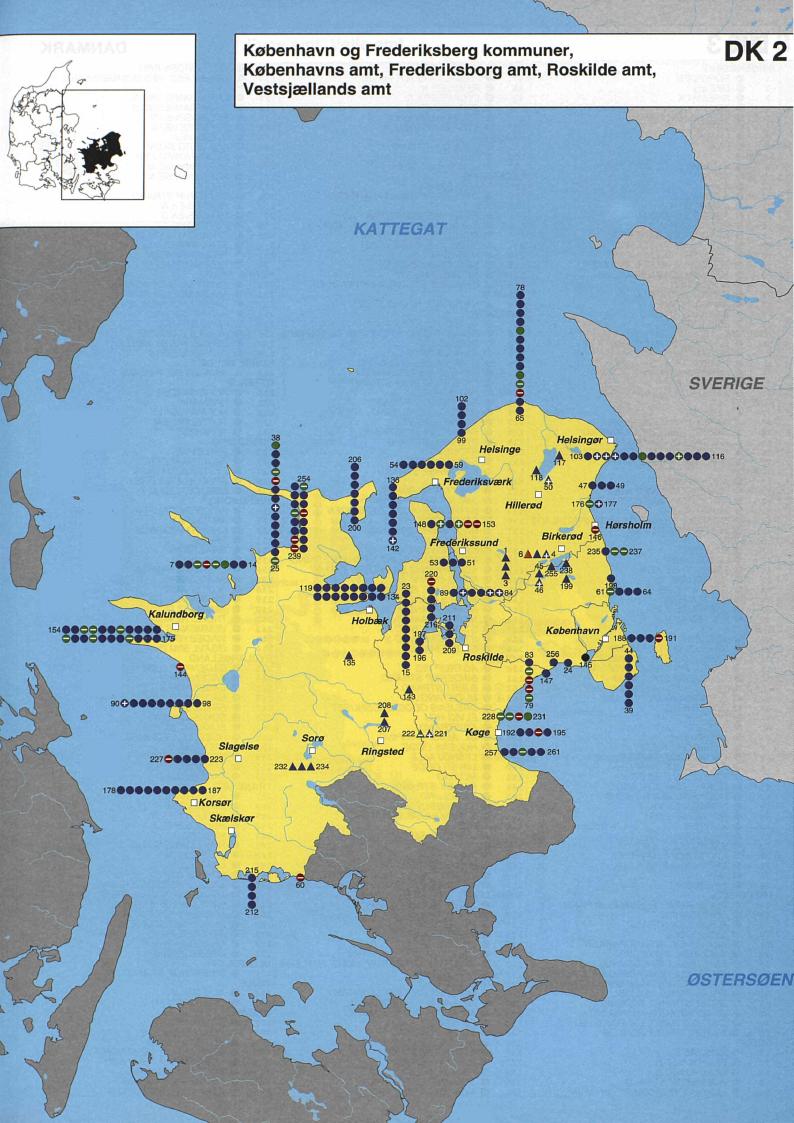
Unfortunately, the comment made on coastal waters also applies to freshwater zones. Amongst other findings, three of the four areas insufficiently sampled during the 1998 bathing season remained so in 1999.

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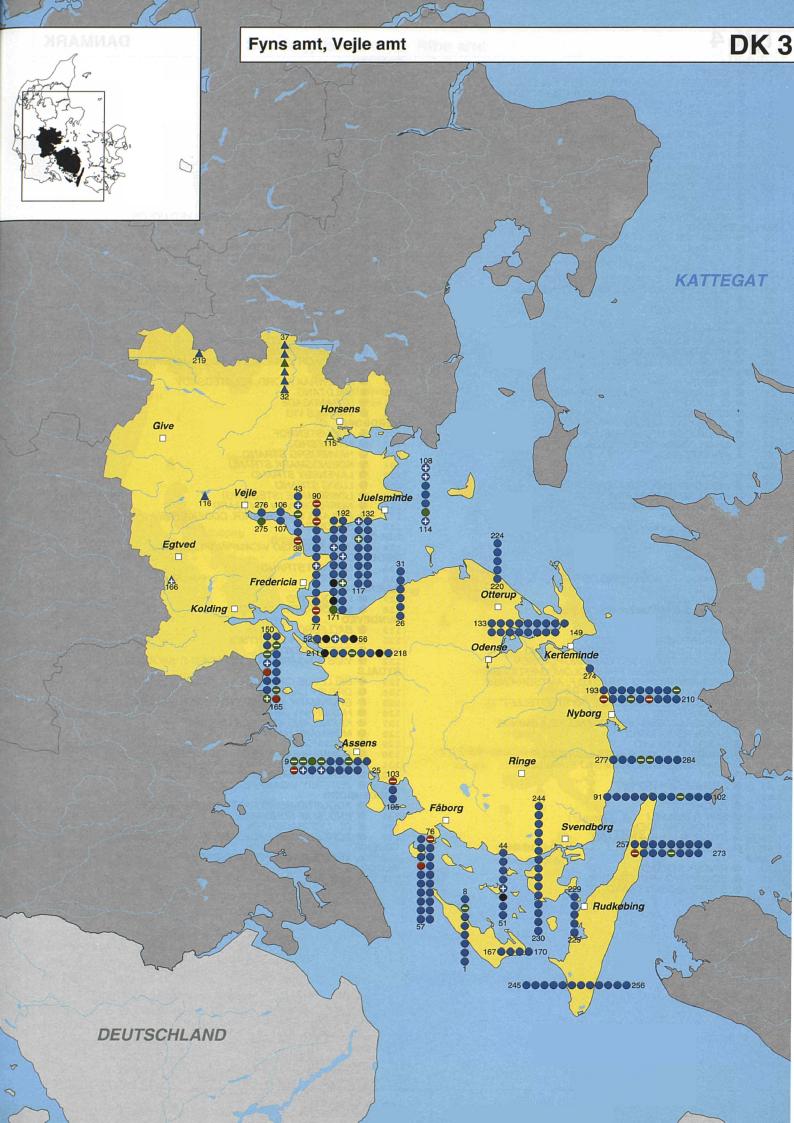
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BURE SØ, BADEPLADS VEST	91 BJERGE OS SUKKERKANALEN	180 • FRØLUNDE FED STR.
IRKERØD	92 • DALBY STRAND	181 • KLARSKOVGÅRD BADEBRO
4 ⊕ ▲ BIRKERØD SØ, NÆSSET	93 • DRØSSELBJERG STR.	182 MUSHOLM BUGT
FUHESDEN, PLANTAGEVEJ VED ROKLUB	89 SALVADPARKEN, HENRIKSHOLM LEJRSKOLE GØRLEV 90 ⊕ BJERGE OS BROVEJEN 91 ● BJERGE OS SUKKERKANALEN 92 ● DALBY STRAND 93 ● DRØSSELBJERG STR. 94 ● MULLERUP STRAND 95 ● REERSØ NORDSTRAND 96 ● SVALLERUP/BJ.N.STR. 97 ● URHØJGÅRD CAMP. N. 98 ● URHØJGÅRD CAMP. S. HELSINGE 99 ● RÅGELEJE, VED MOLEVEJ 6 100 ● STRANDBJERGGÅRD 101 ● TISVILDE HEGN, STÆNGEHUS 102 ● TISVILDELEJE, OFFENTLIG BADESTRAND HELSINGØR 103 ● 100 N SYDVEST FOR UDLØB AF VESTERBÆK 104 ● 50 M SYD-ØST FOR HORNBÆK HAVN	183 • QUISTGÅRDSVEJ STR. 184 • REVKROGEN HALSKOV REV
JERGSTED	96 SVALLERUP/BLINSTR	185 • STIBJERG HUSE STR.
7 • AASEN, SEJERØ	97 • URHØJGÅRD CAMP. N.	186 STRANDVEJEN STRAND
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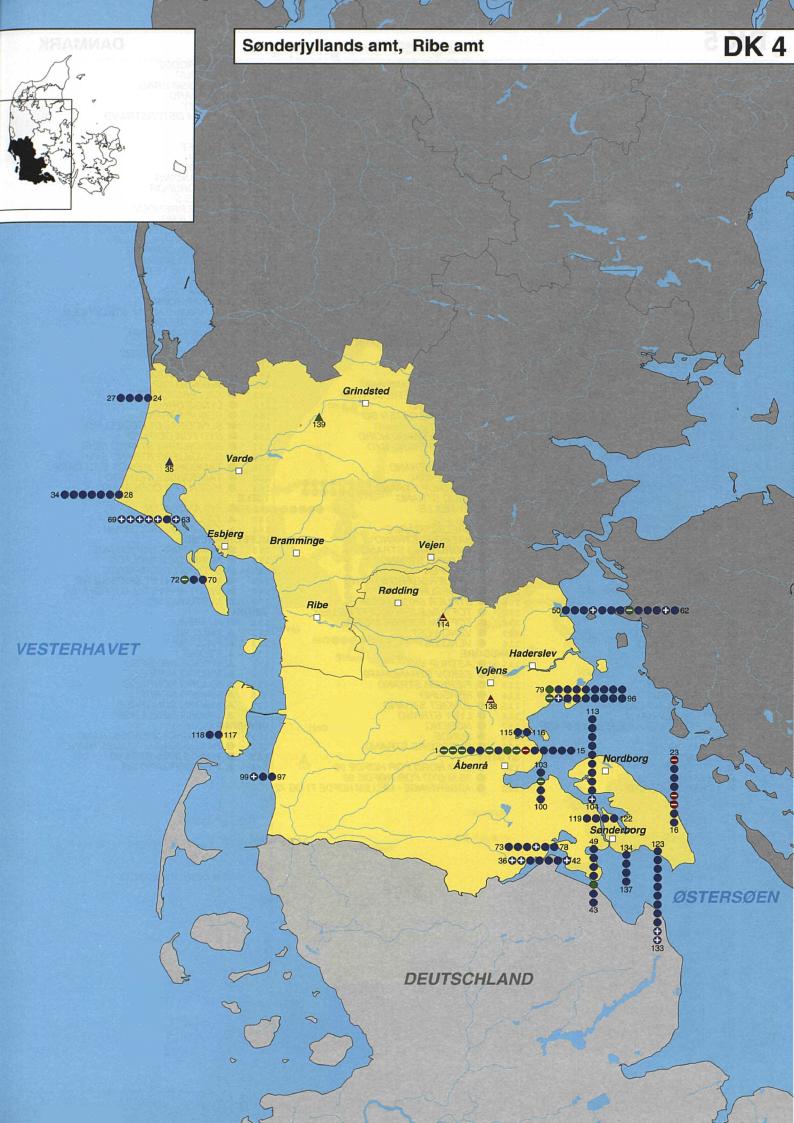


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110	LONGOMADE (STEGSVIG)
111	NØRRESKOVEN V/NYGÅRD
112	P-PLADS VED ÅREKÆR, ODDEKÆRVEJ
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123	BELLEVUE CAMPING
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125	🕨 GRØNMARK, KEGNÆS (TIDL. VESTERMARK)
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CONIDE	
	RBORG
134	RBORG AUGUSTENBORG FJORD V/MADESKOVEN
134 135	RBORG AUGUSTENBORG FJORD V/MADESKOVEN ENDEN AF SUNDGADE
134 135 136	RBORG AUGUSTENBORG FJORD V/MADESKOVEN BENDEN AF SUNDGADE GL. LYSTBÅDEHAVN
134 135 136 137	RBORG AUGUSTENBORG FJORD V/MADESKOVEN ENDEN AF SUNDGADE GL. LYSTBÅDEHAVN SØNDERBORG BADESTRAND
134 135 136 137 VOJENS	RBORG AUGUSTENBORG FJORD V/MADESKOVEN ENDEN AF SUNDGADE GL. LYSTBÅDEHAVN SØNDERBORG BADESTRAND S
134 135 136 137 VOJENS 138 \ominus	RBORG AUGUSTENBORG FJORD V/MADESKOVEN ENDEN AF SUNDGADE GL. LYSTBÅDEHAVN SØNDERBORG BADESTRAND S VEDSTED SØ V/FRILUFTSBADET
134 135 136 137 VOJEN: 138 \bigcirc 4 ØLGOD	RBORG AUGUSTENBORG FJORD V/MADESKOVEN ENDEN AF SUNDGADE GL. LYSTBÅDEHAVN SØNDERBORG BADESTRAND S VEDSTED SØ V/FRILUFTSBADET

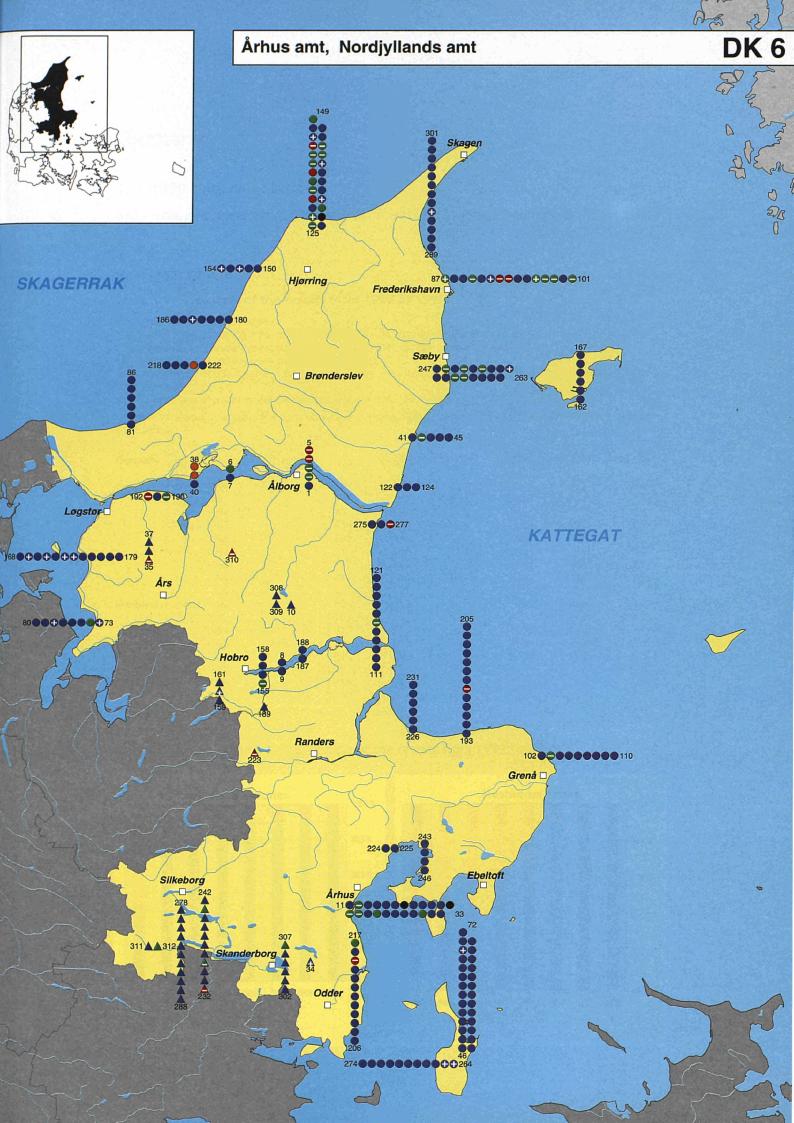


DANMARK

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3 A STAKBOGE BADESØ	MØLDRUP	126 • KÆRGÅRD
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10 A CORV CO	01 ALINDAVECT	145 • HARRIMME HAVN, STAUSHOLM
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21 BJENNEGAND	OF OTABLID	149 A FERRING SØ VEJLBY KLIT
22 G GL.SOGN KINKE	85 STANDET	THYHOLM
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Germany

1999 bathing season 1.

3 to 4 months depending on the geographical location, but in general from 1 June to 15 September

Main results 2.

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas;

C (I): percentage of bathing areas sufficiently sampled which comply with mandatory values; C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

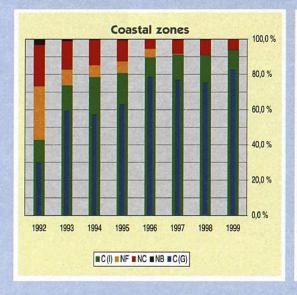
NF : percentage of bathing areas insufficiently sampled;
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

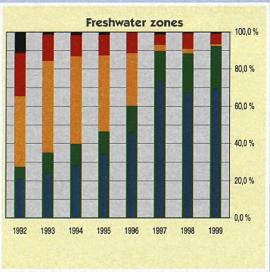
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances

Germany		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Cermany		4	C (1) (70)	C (C) (70)	141 (70)	140 (70)	145 (70)
Coastal zones	1992	438	42.7	29.7	30.4	23.5	3.4
	1993	435	73.6	59.1	9.0	16.3	1.1
	1994	442	78.1	57.0	6.8	14.7	0.4
	1995	438	80.6	62.8	6.6	12.1	0.7
	1996	426	89.4	78.2	4.9	5.6	0.1
	1997	416	91.0	76.8	0.5	7.9	0.5
	1998	417	90.9	75.1	0.0	8.6	0.5
	1999	414	93.5	82.6	0.0	6.3	0.2
Freshwater zones	1992	1 826	27.5	21.0	37.8	23.5	11.2
	1993	1 703	35.1	24.1	49.3	14.3	1.3
	1994	1 917	39.7	28.2	47.1	11.6	1.6
	1995	1 830	46.3	34.4	40.9	11.3	1.5
	1996	1 810	60.3	46.1	28.1	11.1	0.5
	1997	1 723	89.7	73.5	3.3	5.6	1.4
	1998	1 656	88.3	67.5	2.5	8.4	0.8
	1999	1 639	92.4	69.6	0.8	5.9	0.9

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 414; freshwater: 1 639)

Four coastal bathing areas were withdrawn and one new coastal bathing area was taken into account for the 1999 bathing season. In the case of the freshwater zones, 39 bathing areas were withdrawn compared with the 1998 bathing season and 22 new bathing areas were added.

4. Comments

An upward trend was observed in both the coastal and freshwater zones. However, it must be added that there were still freshwater bathing areas which were insufficiently sampled. This situation is unacceptable.

In the coastal zones, the compliance rates were higher than in the previous bathing season, although the percentage of bathing areas failing to comply with the mandatory values remained high (6.3 %). The percentage of bathing areas complying with the guide values (82.6 %) and/or mandatory values (93.5 %) was up by 7.5 and 2.6 % respectively compared with the previous bathing season. No bathing area was insufficiently sampled and bathing remained prohibited at only 0.2 %.

The situation in the freshwater zones was more or less similar, although the percentage of areas where bathing was prohibited rose very slightly. Another point to note is that the percentage of bathing areas complying with the guide values was still low. The percentage of bathing areas complying with the guide values (69.6 %) and/or mandatory values (92.4 %) was up by 2.1 and 4.1 % respectively compared with the previous bathing season. The percentage of bathing areas insufficiently sampled (0.8 %) was down by almost 2 % compared with the previous bathing season, while the percentage failing to comply with the mandatory values (5.9 %) was down by 2.5 % in the 1999 season.

5. General information

Public information

Seaside resorts, in particular, inform their visitors by means of posters or other relevant material about their bathing water quality. Similarly, the media regularly communicate the most recent results to citizens. Several *Länder* publish reports on their bathing water quality, which can sometimes also be found on the Internet.

Wastewater treatment

The competent administrations of the *Länder* have carried out investigations to detect the causes of repeated breaches of the standards of the directive. These investigations have led to improvement and/or prevention measures for the zones affected.

6. Infringement procedure

On 8 June 1999, the Court of Justice ruled that bathing water in Germany had failed to comply and had been insufficiently sampled.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

A CHARLES	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		4	1	0	26	0	45	342	414
NEW	1	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10 2 10 44 4	1907 - AUG		1	1
Ban	2	1	Carlotte Carlotte					1	1
NS	0								0
NC	36			areanion la	6		4	26	36
Freq	0			diamental.	A September 1				0
C (I)	66	1	1		8		21	35	65
C (G)	313	2			12		20	279	311
Tot. 98	417	4	1	0	26	0	45	341	

Coastal zones (ratio = 1.6; stability = 74.1 %)

The ratio is 1.6, which indicates an improvement in the average quality of the bathing areas for the 1999 bathing season. This is mainly due to the fact that more than 82 % of the bathing areas which failed to comply during the 1998 bathing season were brought into line with the guide values (in most cases) and/or the mandatory values during the 1999 bathing season. Also, to a lesser degree, 20 bathing areas which used to comply with the mandatory and/or guide values ceased to comply with the mandatory values.

The stability index is relatively low but is coupled with a ratio of 1.6, which indicates an improvement in average bathing water quality.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		39	15	0	97	13	373	1 141	1 639
NEW	22			5.5	3		4	15	22
Ban	13	6	- 1 122	Satisfiedas		200	3	4	7
NS	2	2		Prince Area					0
NC	137	6	3		38	2	35	53	131
Freq	42	4	पानमध्य		3	6	8	21	38
C (I)	344	11	7		20		170	136	333
C (G)	1 118	10	5		33	5	153	912	1 108
ot. 98	1 656	39	15	0	94	13	369	1 126	2000

Freshwater zones (ratio = 1.2; stability = 69.6 %)

The ratio is 1.2, which indicates a slight improvement in the average quality of the freshwater zones. Unfortunately, this ratio is coupled with a rather low stability index, which reflects quite a number of changes which, even though they showed a slightly positive trend, were fairly erratic.

It must also be stressed that 13 bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that not only were bathing areas which were insufficiently sampled during the previous bathing season still being sampled insufficiently, but also even bathing areas which were sampled correctly during the 1998 bathing season were insufficiently sampled during the 1999 season.

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ACHTERWEHR
1 ⊕ ▲ AHRENSEE;ACHTERWEHR
APPEN
2 ▲ BAGGERSEE;APPEN
ARNIS
8 A BISTENSEE;GEMEINDEBADEST BISTENSEE
BOERM
12 A BORDESHOLMER SEE;BORDESHOLM BOREN
BORGSTEDT
18 ○ ▲ BORGSTEDTER ENGE;BUNGSTEDT
BORGWEDEL
19 ● ▲ SCHLEI;BORGWEDEL;JUGENDHERBERGE
20 ● ▲ SCHLEI;STEXWIG
BRODERSBY

OSTS:SCHOENHAGEN
25 NORDS;BUESUM
26 NORDS;BUESUMER DEICHHAUSEN
DAGEBUELL
27 ⊕ NORDS;DAGEBUELL
DAMP
DAMP
28 © OSTS;DAMP;AM FISCHLEGER
29 © OSTS;DAMP;HAUPTSTRAND
30 © OSTS;DAMP;SUEDSTRAND
 DOERPHOF
31 OSTS;SCHUBY-STRAND;AM CAMPINGPLATZ
DOLLERUP
DOLLERUP
32 OSTS;DOLLERUPHOLZ
ECKERNFOERDE
33 OSTS;BADESTELLE AM DANG
34 OSTS;BADESTELLE BORBY
35 OSTS;ECKERNFOERDE;HAUPTSTRAND
36 OSTS;ECKERNFOERDE;SUEDSTRAND
 EISENDORF
37 A BRAHMSEE;EISENDORF;BADESTELLE AM SEE ELPERSBUETTEL
38 

NORDS;ELPERSBUETTELER DEICH EMKENDORF
39 ▲ DOERPSEE;BADESTELLE DOERPSEE
ERFDE
ERFDE
40 ▲ EIDER;BARGEN
FAHRDORF
41 ▲ SCHLEI;FAHRDORF;AM HADDEBYER NOOR
42 ▲ SCHLEI;FAHRDORF;STRANDWEG
43 ▲ SCHLEI;LOOPSTEDT;HADDEBYER NOOR
 FELDE
44 ⊕ ▲ WESTENSEE;WULFSFELDE
FLECKEBY
45 ⊝ ▲ SCHLEI;GOETHEBY FLENSBURG
50 A TREENE;FRIEDRICHSTADT
HAVETOFT

60 ▲ HAVETOFTER SEE;HAVETOFT;GEMEINDEBADEST
HEDWIGENKOOG

61 ● NORDS;HEDWIGENKOOG
HELGOLAND

    NORDS;HELGOLAND;DUENE NORD
    NORDS;HELGOLAND;DUENE SUED

 62
HOERNUM

64 NORDS;SYLT;HOERNUM-OST;OSTSTRAND

65 NORDS;SYLT;HOERNUM-WEST;FKK-STRAND

66 NORDS;SYLT;HOERNUM-WEST;HAUPTSTRAND

67 NORDS;SYLT;HOERNUM-WEST;KM-4-NORD

68 NORDS;SYLT;HOERNUM-WEST;ZELTPLATZ

HOHENLOCKSTEDT

69 A LOHMUEHLENTEICH;HOHENLOCKSTEDT

HOLLINGSTEDT

70 A RAGGERSET
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▲ BAGGERSEE;SATTELNWEG;SATTELN

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71 ⊕ ▲ N-O-K;HOLSTENNIENDORF;KLEIN-WESTERLAND
HOLTSEE
 72 ▲ HOLTSEE;GEMEINDEBADEST HOLTSEE
HUSUM
 73 • NORDS;HUSUM;DOCKKOOGSPITZE;BADESTEG
 GROSSE TONKUHLE;ITZEHOE
 JUEBEK
               GAMMELUNDER SEE;FRIEDRICHSAU
 KAMPEN
          NORDS;SYLT;KAMPEN;FKK-STRAND I
NORDS;SYLT;KAMPEN;FKK-STRAND II
NORDS;SYLT;KAMPEN;TEXTILSTRAND
 KAPPELN

80 OSTS;SCHLEIMUENDE

81 OSTS;WEIDEFELD
 KLEIN WITTENSEE
 82 A WITTENSEE;SANDE
KOLLMAR
 83 ⊕ ▲ ELBE;KOLLMAR HAFEN
KOSEL
 RHONSGAARD

87 ○ OSTS;POTTLOCH

LADELUND

88 ▲ BADESEE;LADELUND;BDANST

LANGBALLIG

89 ● OSTS;LANGBALLIG;LANGBALLIGAU

LANGWEDEL
▲ BADESEE;LINDEWITT
 95
LIST

    NORDS;SYLT;LIST-OST;OSTSTRAND
    NORDS;SYLT;LIST-WEST;FKK-STRAND
    NORDS;SYLT;LIST-WEST;JUGENDSTRAND
    NORDS;SYLT;LIST-WEST;TEXTILSTRAND

100 ⊕ ▲ ARENHOLZER SEE;LUERSCHAU
LUTZHORN
 101 ▲ BAGGERSEE; LUTZHORN
MEGGERDORF
MEGGERBURF
102 ▲ ALTE SORGE;MEGGERDORF
MELDORF
103 ⊕ NORDS;NORDERMELDORF
MOORREGE
107 • NORDS;AMRUM;NEBEL
108 NORDS;FOEHR;NIEBLUM;FKK-STRAND
109 NORDS;FOEHR;NIEBLUM;GOTING
110 NORDS;FOEHR;NIEBLUM;NIEBLUM
NIEBUELL
 111 A BADESEE;NIEBUELL-WEHLE NIEBY
 112 ⊕ OSTS;GOLSMAAS
NIESGRAU
 113 ⊕ ● OSTS;OHRFELDHAFF
NOER
NOER

OSTS;LINDHOEFT;CAMPINGPLATZ

115 ○ OSTS;NOER;ZELTGEMEINSCHAFT

NORDDORF

116 ○ NORDS;AMRUM;NORDDORF

NORDSTRAND

117 ⊕ NORDS;LUETTMOORSIEL

118 ⊕ NORDS;NORDSTRAND-N;NORDERHAFEN

119 ⊕ NORDS;NORDSTRAND-N;OBEN

120 ⊕ NORDS;NORDSTRAND-NORD;HOLMERSIEL

121 ○ NORDS;NORDSTRAND-S;DEISPRUNG

122 ⊕ NORDS;NORDSTRAND-S;DEISPRUNG

122 ⊕ NORDS;NORDSTRAND-S;DEISPRUNG

123 ⊕ ALANGSEE;BREKLING
 123 ⊕ A LANGSEE;BREKLING
OCKHOLM
124 ● NORDS;SCHLUETTSIEL
OWSCHLAG
 OWSCHLAG

125 ▲ OWSCHLAGER SEE;OWSCHLAG

PADENSTEDT

126 ▲ TEICH;PADENSTEDT;AM CAMPINGPLATZ

127 ▲ TEICH;PONYPARK PADENSTEDT;KREIKENBOHM

DELI WOMM
NORDS;SYLT;RANTUM;MOEVE IV;HAUPTSTRAND
NORDS;SYLT;RANTUM;MOEWE I;SANSIBAR
NORDS;SYLT;RANTUM;MOEWE II;SAMOA
NORDS;SYLT;RANTUM;MOEWE III;RANTUM SUED
NORDS;SYLT;RANTUM;MOEWE V;SOELERINGSHOF
NORDS;SYLT;RANTUM;MOEWE VI;ADS
NORDS;SYLT;RANTUM;MOEWE VI;ZELTPLATZ
NKOFGE
 140
 141
142
143
 144
 146 • NORDS;
REUSSENKOEGE
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RODENBEK
SCHAALBY
154 A SCHLEI; FUESING; WINNINGMAY
SCHACHT-AUDORF
155 A DOERPSEE; SCHACHT-AUDORF
SCHENEFELD
SCHENEFELD

156 ▲ MUEHLENTEICH;NEUMUEHLEN;LUISENBAD
SCHIERENSEE

157 ▲ SCHIERENSEE;GEMEINDEBADEST SCHIERENSEE
SCHLESWIG

158 ▲ SCHLEI;SCHLESWIG;LUISENBAD

159 ④ A SCHLEI;SCHLESWIG;NETZETROCKENPLATZ
SCHWARSTEDT
SCHWABSTEDT

160 A TREENE;SCHWABSTEDT
SCHWEDENECK
161  OSTS;DAENISCH-NIENHOF
162  OSTS;ECKERNHOLM;BADESTELLE HOHENHAIN
163  OSTS;GROENWOHLD;CAMPINGPLATZ
164  OSTS;KRUSENDORF,JELLENBEK
165  OSTS;KRUSENDORF
166
SELK
SELK

167 	A SCHLEI;JUGENDZELTLAGER;AM SELKER NOOR

168 	A SCHLEI;NIEDERSELK;SELKER NOOR

SIMONSBERG

169 	O NORDS;LUNDENBERGSAND

SOERUP
         € A SUEDENSEE;SOERUP
170 ⊕ A SULDENSEE, SOLDON

STEINBERG

171 ● OSTS; HABERNIS

172 ○ OSTS; NORGAARDHOLZ

173 ○ OSTS; NORGAARDHOLZ; KLEVELUECKE

174 ○ OSTS; STEINBERGHAFF
TTA → O STS;STEINBEHGHAFF
STRANDE

175  O STS;STRANDE;MITTE KURSTRAND

176  O OSTS;STRANDE;STRANDER BUCHT
SUEDERFAHRENSTEDT

177  A LANGSEE;SUEDERFAHRENSTEDT
SUEDERSTAPEL

**TO A FIDERSULEDERGARE!**
178 ⊕ ▲ EIDER;SUEDERSTAPEL
SYLT-OST
179 • NORDS;SYLT-OST;MORSUM
180 • NORDS;SYLT-OST;MUNKMARSCH
TIELEN
181 ⊕ ▲ EIDER;TIELEN
TOENNING
182 ⊕ ▲ EIDER;TOENNING
ULSNIS
ULSNIS

183 ♠ $ CHLEI;GUNNEBY

184 ○ ♠ $ SCHLEI;HAGAB

UTERSUM

185 ● NORDS;FOEHR;UTERSUM

VOLLERWIEK

186 ● NORDS;VOLLERWIEK
INGSTEDT

NORDS;SYLT;WENNINGSTEDT;ABSCHNITT I

NORDS;SYLT;WENNINGSTEDT;ABSCHNITT II

NORDS;SYLT;WENNINGSTEDT;ABSCHNITT III

NORDS;SYLT;WENNINGSTEDT;ABSCHNITT IV

NORDS;SYLT;WENNINGSTEDT;ABSCHNITT V

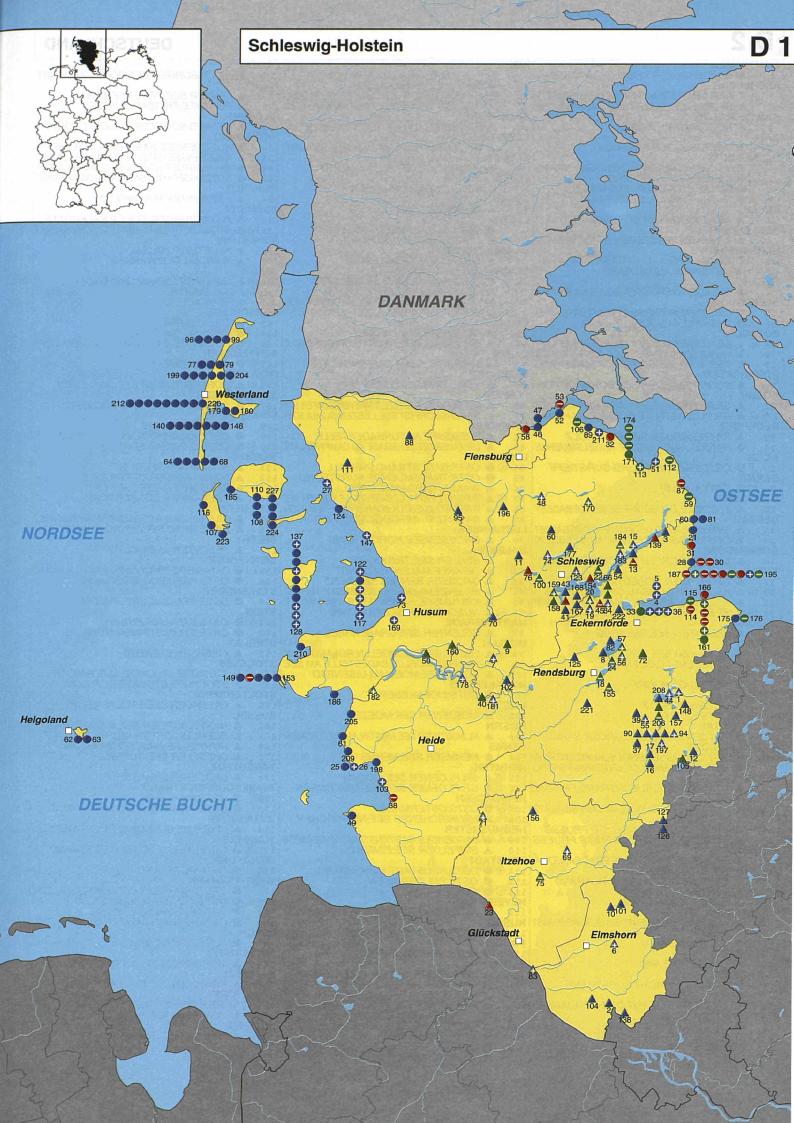
NORDS;SYLT;WENNINGSTEDT;ABSCHNITT V FKK

NORDS;SYLT;WENNINGSTEDT;ABSCHNITT V FKK
199
200
201
203
WESSELBURENERKOOG

NORDS; WESSELBURENERKOOG

WESTENSEE
WESTENSEE; GEMEINDEBADEST BOSSEE
206 ○ ▲ BOSSEE; GEMEINDEBADEST WESTENSEE
208 ▲ WESTENSEE; WROHE
WESTERDEICHSTRICH
209 • NORDS;STINTECK
WESTERHEVER
WESTERHOLZ
211 ● NORDS;WESTERHEVERSAND
WESTERHOLZ
211 ● OSTS;WESTERHOLZ
WESTERLAND
221 A BADESEE;WESTERROENFELD;BDANST
WINDEBY
222 A GROSSER SCHNAAPER SEE;SCHNAAP
WITTDUEN
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147 ⊕ NORDS;HAMBURGER HALLIG



AMMERSBEK ▲ BREDENBEKER TEICH;STRANDBAD **ASCHEBERG** ▲ GR.PLOENER SEE;ASCHEBERG;MUSBERGWIESE 2 ▲ GR.PLOENER SEE;SCHLOSS ASCHEBERG **BAD OLDESLOE** ▲ POGGENSEE;FREIBAD BAEK ⊕ ▲ RATZEBURGER SEE:BAEK BANNESDORF OSTS;FEHMARN;MEESCHENDORF;STRAND
 OSTS;FEHMARN;PRESEN
 OSTS;FEHMARN;PUTTGARDEN OSTS;FEHMARN;STABERHUK BEBENSEE 10 A NEVERSDORFER SEE;BEBENSEE BEHLENDORF ▲ BEHLENDORFER SEE;BEHLENDORF;BDANST BEHRENSDORF OSTS;LIPPE
 OSTS;NEULAND;STRAND BELAU ▲ BELAUER SEE;PERDOELER MUEHLE BLEKENDORF

15 OSTS;BLEKENDORF;SEHLENDORFER STRAND

16 OSTS;BLEKENDORF;TIVOLI BOESDORF 17 ⊕ ▲ GR.PLOENER SEE;RUHLEBEN;CAMPINGPLATZ

18 ▲ VIERER SEE;AUGSTFELDE;CP ACHTERN KNICK

19 ▲ VIERER SEE;AUGSTFELDE;CP SONNENWEG BORNHOEVED 20 A BORNHOEVEDER SEE;BORNHOEVED 21 ▲ GR.PLOENER SEE;BOSAU;CAMPINGPLATZ
22 ④ ▲ GR.PLOENER SEE;BOSAU;DJO-HEIM
BUCHHOLZ ▲ RATZEBURGER SEE;BUCHHOLZ ▲ RATZEBURGER SEE;CP ANGELSMUEHLE 23 BURG ⊕ OSTS;FEHMARN;BURG-BURGTIEFE DAHME 26 ⊕ OSTS;DAHME DAMSDORF ▲ STOCKSEE;DAMSDORF;GEMEINDEBADEST **DERSAU** ▲ GR.PLOENER SEE;DERSAU;GEMEINDEBADEST
▲ GR.PLOENER SEE;DERSAU;SEEBLICK 28 29 DOBERSDORF 30 EUTIN ▲ DOBERSDORFER SEE;TOEKENDORF ▲ GR.EUTINER SEE;EUTIN;BDANST 31 32 ⊕ ▲ KELLERSEE;FISSAU;CP KELLERSEE ▲ KELLERSEE;SÍELBECK;HAMBURGER STRAND 34 ⊕ ▲ KL.EUTINER SEE;EUTIN;BDANST GIEKAU SELENTER SEE;SEEKRUG **GREBIN** GREBINER SEE;GREBIN SCHLUENSEE;GOERNITZ 36 A GREMERSDORF OSTS;DAZENDORF GROEMITZ
39 ⊕ OSTS;GROEMITZ
40 ⊕ OSTS;LENSTE
GROSS SARAU ▲ RATZEBURGER SEE;GROSS SARAU GROSSENBRODE OSTS;GROSSENBRODE;KURZENTRUM 104
 OSTS;GROSSENBRODE;KURZENTRUM 104 42 OSTS;GROSSENBRODE;UNTERHALB BALTIC GROSSENSEE 44 ⊕ ▲ GROSSENSEE;SUEDSTRAND;FREIBAD GUDOW GUDOWER SEE;GUDOW;AM CAMPINGPLATZ GUESTER 46 ⊝ ▲ PRUESSEE;BADEINSEL;CP PRUESS
47 ▲ PRUESSEE;YACHTHAFEN;CP PRUESS HEIKENDORF HEILIGENHAFEN OSTS, STEINWARDER

KIEL 60 OSTS;KIEL-FALKENSTEIN
61 ⊕ OSTS;KIEL-SCHILKSEE
62 OSTS;KIEL;BDANST DUESTERNBROOK
63 ⊝ OSTS;KIEL;EV.JUGENDLAGER KAHLENBERG KLAUSDORF ▲ SCHWENTINE;KLAUSDORF;GEMEINDBADESTEL KLEIN ROENNAU 65 ⊕ ▲ GR.SEGEBERGER SEE;KLEIN ROENNAU 66 ▲ BEIDENDORFER SEE;KLEMPAU KOEHN KLEMPAU 67 ⊝ ▲ SELENTER SEE;PUELSEN KUEKELS ▲ MOEZENER SEE;KUEKELS LABOE OSTS;LABOE;FREISTRAND
 OSTS;LABOE;KURSTRAND 69 70 LAMMERSHAGEN 71 ⊝ ▲ SELENTER SEE;BELLIN LANDKIRCHEN/FEHMARN ▲ LANKAUER SEE;LANKAU 76 ▲ LANKAUER SEE;LANKAU;CP SCHMIDT LANZE ▲ LANZER SEE:AM CAMPINGPLATZ 78 LEBRADE 79 A SCHLUENSEE;KOSSAU LEEZEN ▲ NEVERSDORFER SEE;LEEZEN;NEVERSDORFER STR ▲ NEVERSDORFER SEE;LEEZEN;SCHULSTR 80 **LEHMRADE** ▲ KREBSSEE;NATURBADESTELLE ▲ LUETAUER SEE;LEHMRADE AM CAMPINGPLATZ LUEBECK 84 ⊕ OSTS;BADESTRAND PRIWALL
85 ● OSTS;TRAVEMUENDE;KURSTRAND
86 ▲ WAKENITZ;BDANST MARLI
87 ⊕ ▲ WAKENITZ;EICHHOLZ;BADESTELLE KLEINER SEE WAKENITZ;ST. JUERGEN;BDANST FALKENWIESE LUETJENSEE ▲ GROSSENSEE;NORDSTRAND 90 MALENTE ▲ BEHLER SEE;TIMMDORF ▲ DIEKSEE;MALENTE;BDANST ▲ GROSSER BENZER SEE;BENZ 92 93 KELLERSEE;MALENTE;WOEBBENSREDDER BDANST 95 ▲ KRUMMSEE;BADESTELLE KRUMMSEE 96 ⊕ ▲ NUECHELNER SEE;NUECHEL MARTENSRADE ▲ SELENTER SEE; GRABENSEE 98 ⊕ ▲ LUETAUER SEE;MOELLN;ROLANDSECK 99 ▲ PINNSEE;MOELLN;BADESTELLE AM SEE 100 ⊝ ▲ SCHULSEE;MOELLN;LUISENBAD MOENKEBERG 101 ○ OSTS;MOENKEBERG MOFZEN 102 ⊕ ▲ MOEZENER SEE;MOEZEN MUSTIN 103 A KL.MUSTINER SEE;MUSTIN;AM JUGENDHEIM NEHMS NEHMSER SEE;NEHMS NEHMTEN 105 ⊕ ▲ GR.PLOENER SEE;GODAU 106 ▲ GR.PLOENER SEE;PEHMER HOERN 106 NEUKIRCHEN 107 ⊕ OSTS;OSTERMADE 108 ▲ NEUKIRCHENER SEE;NEUKIRCHEN NEUSTADT 111 ⊕ OSTS;NEUSTADT;KIEBITZBERG 112 OSTS;PELZERHAKEN 113 ⊕ OSTS;RETTIN NEVERSDORF ▲ NEVERSDORFER SEE;NEVERSDORF 52 A BECKERSBERGSEE;HENSTEDT-ULZBURG;BDANST HERINGSDORF NUSSE A RITZERAUER SEE; NUSSE PANKER OSTS;HUBERTSBERG PLOEN BEHLER SEE;PLOEN;ADLERHORST ▲ GR.PLOENER SEE;PLOEN;FREIBAD FEGETASCHE
 ▲ GR.PLOENER SEE;PLOEN;JUGENDHERBERGE
 ▲ GR.PLOENER SEE;PLOEN;KOPPELSBERG
 ▲ GR.PLOENER SEE;PLOEN;PRINZENBAD 118

POGEEZ ▲ RATZEBURGER SEE;POGEEZ;BDANST PREETZ 127 ⊙ ▲ LANKER SEE;PREETZ;FREIBAD 128 ▲ POSTSEE;FREIBAD POSTSEE RATEKAU ▲ HEMMELSDORFER SEE;OFFENDORF **RATZEBURG** 130 ▲ KUECHENSEE;FARCHAU;LIEGEWIESE 131 ⊕ ▲ KUECHENSEE;RATZEBURG;AM HALLENBAD 132 ▲ RATZEBURGER SEE;EINHAUS;HIMMELWIESE ▲ RATZEBURGER SEE;LUENEBURGER DAMM;BDANST REINFELD ▲ HERRENTEICH;REINFELD 135 ▲ RATZEBURGER SEE;CP KALKHÜTTE 136 ⊕ ▲ RATZEBURGER SEE;ROEMNITZ;CP SCHWALKENBG ROHLSTORF ▲ KLUETHSEE;QUAAL ▲ WARDER SEE;WARDER 138 SALEM 139 ⊕ ▲ SALEMER SEE;AM CAMPINGPLATZ 140 ⊕ ▲ SALEMER SEE;PROMENADE SALEM ▲ SCHAALSEE;SALEM;DARGELOW **SCHARBEUTZ** OSTS;HAFFKRUGOSTS;SCHARBEUTZ 142 143 ▲ POENITZER SEE;KLINGBERG;BDANST SCHASHAGEN 145 @ OSTS:BLIESDORF SCHLESEN 146 ⊕ ▲ DOBERSDORFER SEE;SCHLESEN SCHMALENSEE
147 ▲ SCHMALENSEE;SCHMALENSEE **SCHOENBERG** 148 OSTS;BRASILIEN 149 OSTS;KALIFORNIEN;KURSTRAND 150 OSTS;SCHOENBERGER STRAND SEEDORF 151 **▲** SCHAALSEE;SEEDORF ▲ SCHAALSEE;SEEDORF;CP GROSS ZECHER ▲ SEEDORFER SEE;SEEDORF ▲ SEEKAMPER SEE;SEEDORF 152 153 SEGEBERG ▲ GR.SEGEBERGER SEE;BAD SEGEBERG;BDANST ▲ IHLSEE;BAD SEGEBERG;BDANST 155 SELENT SELENTER SEE; MOLTOERP SIERKSDORF 158 ⊖ OSTS;SIERKSDORF;FERIENPARK PANORAMIC 159 OSTS;SIERKSDORF;MIRAMAR STAKENDORF OSTS;STAKENDORFER STRAND STEIN 161 ⊕ OSTS;STEIN;NEUSTEIN 162 OSTS;STEIN;STEINER MOLE STERLEY 163 ▲ PII STOCKSEE PIPERSEE;STERLEY 164 ⊕ ▲ STOCKSEE;STOCKSEE;ALTE BADESTELLE 165 ▲ STOCKSEE;STOCKSEE;CP DCC STOLTENBERG ▲ PASSADER SEE;STOLTENBERG SUESEL ▲ MIDDELBURGER SEE;MIDDELBURG 168 ⊙ ▲ REDINGSDORFER SEE;BUJENDORF 169 ▲ RUMPEL SEE;SUESELER MOOR 170 ▲ SUESELER SEE;SUESEL TANGSTEDT ▲ BAGGERSEE;WILSTEDT TIMMENDORFER STRAND
172 OSTS;NIENDORF
173 OSTS;TIMMENDORFER STRAND WAHLSTORF ▲ LANKER SEE;GLAESERKOPPEL;CP LANKER SEE WANGELS 75 🕀 🌑 OSTS;WEISSENHAEUSER STRAND WENDTORF OSTS;BOTTSAND WEST-FEHMARN WEST-FEHMARN
177 ⊕ OSTS;FEHMARN;ALTENT.TEICHHOFER SCHLEUSE
178 ⊕ OSTS;FEHMARN;BOJENDORF
179 ⊕ OSTS;FEHMARN;FLUEGGE
180 ⊕ OSTS;FEHMARN;WALLNAU WISCH OSTS;HEIDKATE WITTENBORN **▲ MOEZENER SEE;WITTENBORN** ▲ FORELLENSEE;CP PLAEN WOHLTORF ▲ TONTEICH;SACHSENWALDBAD ▲ TONTEICH;TONTAUBEN-CLUB 184 185 ZIETHEN **▲** GARRENSEE;ZIETHEN 186

HENSTEDT-ULZBURG

HOHENFELDE

KASSEEDORF

KELLENHUSEN

ITZSTEDT

⊕ OSTS;SUESSAU

OSTS;HOHWACHT;KURSTRAND

▲ GRIEBELER SEE;GRIEBEL ▲ STENDORFER SEE;KASSEEDORF

▲ ITZSTEDTER SEE;ITZSTEDT;BDANST

120

121

122

123

124

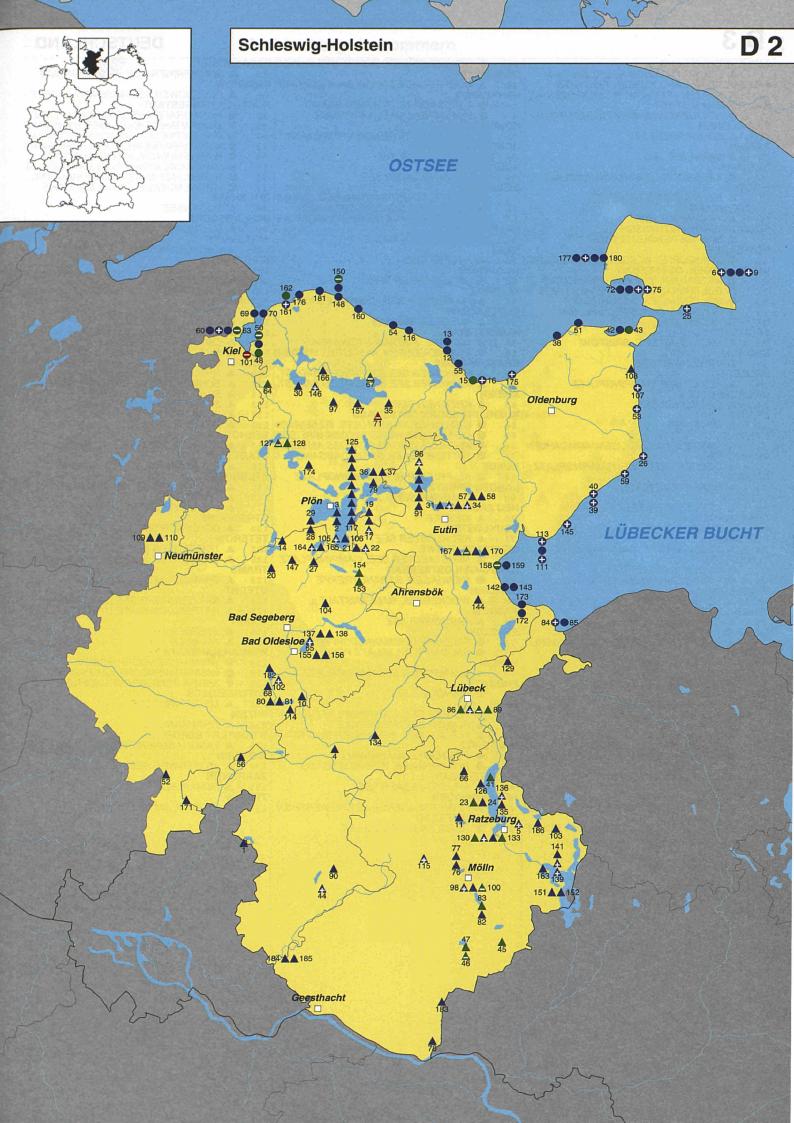
125

54 OSTS;RADELAND HOHWACHT

GR.PLOENER SEE;PLOEN;SCHLOSS PLOEN

▲ GR.PLOENER SEE;PLOEN;SPITZENORT
▲ SCHOEHSEE;PLOEN;STEINBERGWEG

TRAMMER SEE; PLOEN; SCHIFFSTHAL



38

40

41

GRAMKOW

GROSS WALMSDORF

AMT BUETZOW LAND 1 ⊝ ▲ GROSS TESSINER SEE,KLEIN SIEN AMT BUETZOW LAND,KURZEN TRECHOW ▲ KURZEN TRECHOWER SEE, KURZEN TR. BAD DOBERAN, STADT HEILIGENDAMM, AM HEILIGEN DAMM, BAD KLEINEN ▲ SCHWERINER SEE BARNIN BARNINER SEE BASTORF ● KAEGSDORF,BACHEINMUENDUNG BIBOW **BIBOWER SEE** BLANKENBERG 8 © A TEMPZINER SEE BOERGERENDE-RETHWISCH BOERGERENDE, ZELTPLATZ BOINSDORF **BOLTENHAGEN, OSTSEEBAD** 15 ⊕ ● REDEWISCH BRISTOW 16 ⊕ ▲ MALCHINER SEE, BRISTOW BROOCK ▲ KRITZOWER SEE BRUEEL 18 ▲ ROTER SEE, CAMPINGPLATZ CRAMONSHAGEN
19 ○ ▲ CRAMONER SEE CRIVITZ ▲ MILITZSEE DAHMEN **DOBBERTIN ▲ DOBBERTINER SEE** DRAGUN 24 A VIETLUEBBER SEE DREENKROEGEN **▲** KIESSEE DUEMMER 26 ○ ▲ DUEMMER SEE, CAMPINGPLATZ ELMENHORST
27 ● BROOK, ORTSMITTE
28 ● ● WARNKENHAGEN, ORTSMITTE **FLESSENOW** FRIEDRICHSWALDE ▲ GR. LABENZER SEE GANZLIN

 BOINSDORFER WERDER, RETTUNGSTURM 11 ○ BOLTENHAGEN, 100 M RELI REDEWISCHER BACH
12 BOLTENHAGEN, DEUTSCHES HAUS
13 BOLTENHAGEN, SEEBRUECKE
14 BOLTENHAGEN, STRANDKLINIK ▲ MALCHINER SEE, HEILIGENDAMM/DAHMEN 22

DOBBERTINER SEE, CAMPINGPLATZ DOBBIN 29 ⊝ ▲ SCHWERINER SEE, CAMPINGPLATZ 31 ⊝ ▲ PLAUER SEE, DRESENOWER MUEHLE GODERN ▲ PINNOWER SEE GOLDBERG ▲ GOLDBERGER SEE, CAMPINGPLATZ GR. LABENZ ▲ GR. LABENZER SEE GRAAL MUERITZ,SEEHEILBAD

GRAAL-MUERITZ,DUENE

GRAAL-MUERITZ,GRANDHOTEL

GRAAL-MUERITZ,MITTELWEG

GRAAL-MUERITZ,ZELTPLATZ

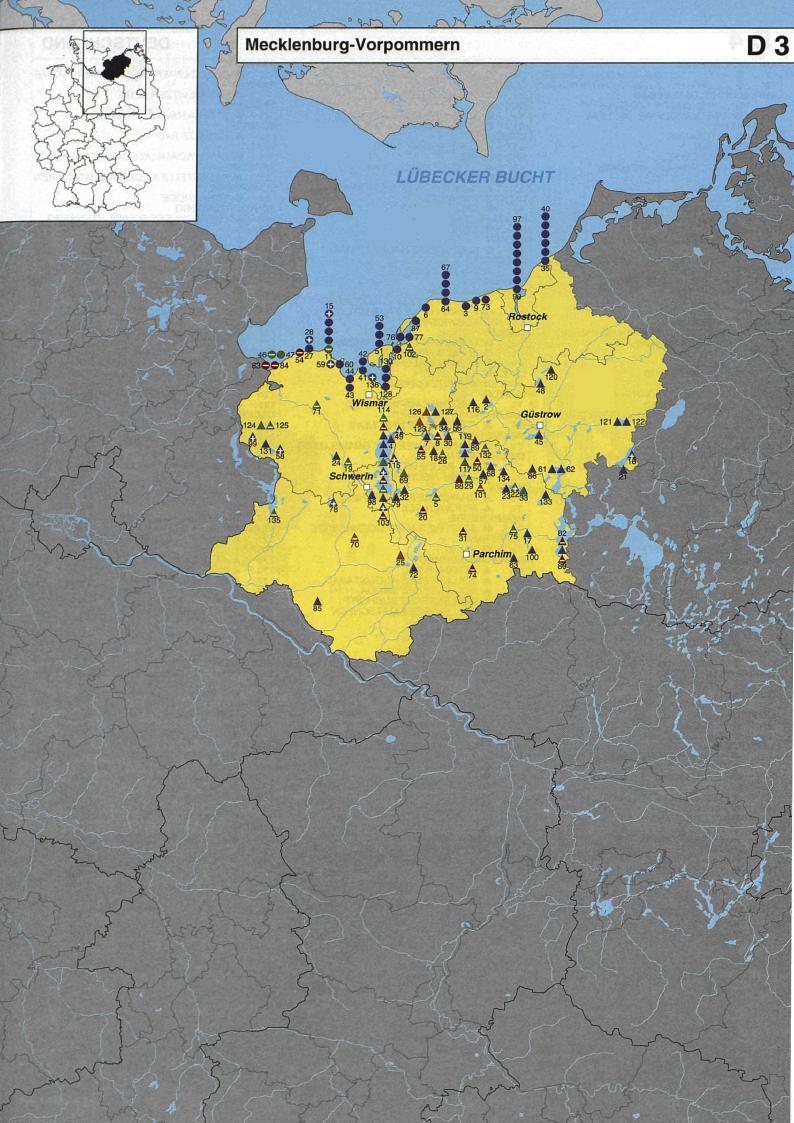
BECKERWITZ, AM RETTUNGSTURM

GUESTROW ▲ INSELSEE, GUESTROW, BADEST. KURH. HARKENSEE 46 ⊕ BARENSDORF, STRANDABGANG 47 ● HOF BARENDORF, HAUPTWEG HOHEN SPRENZ 48 A HOHEN SPRENZER SEE,HOHEN SPRENZ BADEST. HOHEN VIECHELN ⊕ ▲ SCHWERINER SEE HOLZENDORF 50 ⊝ ▲ HOLZENDORFER SEE INSEL POEL INSEL POEL, GOLLWITZER STRAND, STRANDABGANG
 INSEL POEL, SCHWARZER BUSCH
 INSEL POEL, TIMMENDORF, WASSERWERK 52 KALKHORST 54 ⊝ ● GROSS SCHWANSEE KEEZ 55 ⊝ ▲ KEEZER SEE KL. LABENZ 56 ▲ GR. LABENZER SEE KL. PRITZ ▲ KL. PRITZER SEE, CAMPINGPLATZ KLOCKSDORF ⊕ ▲ ROEGGELINER SEE KLUETZ, STADT 59 ⊕ 100 M RE. EINLAUF STEINBECK 60 WOHLENBERGER WIECK, ANLEGESTELLE WOHLENBER KRAKOWA. SEE
61 A KRAKOWER SEE, JOERNBERG, BADEST. ▲ KRAKOWER SEE, WADEHAENG, BADEST. KREIEN KREIENER SEE 63 A KREIENER SEE
KUEHLUNGSBORN,OSTSEEBAD KUEHLUNGSBORN, 200 M OESTL. FULGENBACH
 KUEHLUNGSBORN, HAUPTSTRAND(MIRA-MARE / SEEBF
 KUEHLUNGSBORN, SCHLOSS AM MEER 65 66 WITTENBECKER STRANDABGANG KUKUK ▲ KL. PRITZER SEE, CAMPINGPLATZ 68 LANGEN BRUETZ CAMBSER SEE **NEU ZACHUN** 70 ⊝ ▲ KIESSEE NEUKLOSTER NEUSTADT-GLEWE
72 A NEUSTAEDTER SEE, CAMPINGPLATZ
NIENHAGEN,OSTSEEBAD NIÉNHAGEN, STRANDTREPPE PARCHIM 74 🕒 🛦 WOCKERSEE, BADEANSTALT PASSOW 75 ⊝ ▲ PASSOWER SEE PEPELOW SALZHAFF, TESSMANNSDORFER STRAND
 SALZHAFF, ZELTPLATZ PEPELOW 76 PERLIN 78 ⊕ ▲ DUEMMER SEE, CAMPINGPLATZ PINNOW **▲ PINNOWER SEE** PLAU 80 ⊝ ▲ PLAUER SEE, CAMPINGPLATZ ZURUF 81 ▲ PLAUER SEE, HEIDEHOLZ 82 ⊝ ▲ PLAUER SEE, SEELUSTER BUCHT POETENITZ GRAAL-MUERITZ,MOORGR/SEEBRUECKE GRAAL-MUERITZ,STROMGRABEN 83 ⊝ ● POETENITZ, AM PRIWALL 84 ⊝ ● ROSENHAGEN, STRANDABGANG PROBST-JESAR

85 A PROBST-JESAER SEE REIMERSHAGEN 86 A REIMERSHAGENER SEE, REIMERSHGN.
RERIK, OSTSEEBAD WOHLENBERGER WIECK, AM RETTUNGSTURM WOHLENBERGER WIECK, NIEND. MOEWE RERIK,KASTANIENALLEE

WOHLENBERGER WIECK, NIEND. WEG RETGENDORF

88 A SCHWERINER SEE, CAMPINGPLATZ
ROSENOW ▲ ROSENOWER SEE, ROSENOW, BADEST. ROSTOCK, HANSESTADT MARKGRAFENHEIDE, AM PARKPLATZ MARKGRAFENHEIDE,HOHE DUENE/SONNENSTRAND MARKGRAFENHEIDE,OSTSTRAND(FREIZEITZENTRUM) 92 MARKGRAFENHEIDE, WEGENDE AM PRAHMGRABEN 93 WARNEMUENDE, AM LEUCHTTURM WARNEMUENDE, WARNEMUENDER STRAND(HÖTEL NE
 WARNEMUENDE, WESTSTRAND (AM HANSAHOTEL)
 WARNEMUENDE, WILHELMSHOEHE 95 96 RUGENSEE 98 A RUGENSEE SCHLAGSDORF 99 ⊕ ▲ MECHOWER SEE SCHLEMMIN 100 A KRITZOWER SEE SCHLOWE 101 ⊙ ▲ KL. PRITZER SEE SCHWAAN, STADT 102 ○ ▲ WARNOW, CP SANDGARTEN SCHWAAN SCHWERIN 112 ▲ SCHWERINER SEE, REPPIN 113 ⊝ ▲ SCHWERINER SEE, ZIPPENDORF 114 🔾 🛦 ZIEGELAUSSENSEE, NERVENKLINIK SEEHOF. SCHWERINER SEE, INTERCAMPINGPLATZ STADT BUETZOW ▲ RUEHNER SEE, BUETZOW, BADEST. STERNBERG ▲ LUCKOWER SEE, CAMPINGPLATZ 117 ▲ OBERER SEE ▲ STERNBERGER SEE 118 STRIESDORF 120 A DOLGENER SEE,AM GUTSHAUS TETEROW ▲ TETEROWER SEE, BADEANSTALT ▲ TETEROWER SEE,BURGWALLINSEL 121 122 A TRAMSER SEE UTECHT 124 ▲ RATZEBURGER SEE;CAMPOW 125 ⊝ ▲ RATZEBURGER SEE;UTECHT WARIN 126 STEEDER SEE 127 A WARINER SEE WISMAR, HANSESTADT WISMAR WENDORF,HOBEN
 WISMAR WENDORF,KAMPFBAHN
 WISMAR WENDORF,RETTUNGSTURM 128 130 131 A MECHOWER SEE WITZIN 132 ⊙ ▲ ORTMANNSEE WOOSTER-TEEROFEN ▲ LANGHAGENER SEE, CAMPINGPLATZ WOSERIN 134 A WOSERINER SEE ZARRENTIN 135 ⊕ ▲ SCHAALSEE ZIEROW 136 ⊕ O ZIEROW, AM RETTUNGSTURM



AHLBECK, SEEBAD 1 AHLBECK 250M OESTLICH DER SEEBRUECKE
2 AHLBECK FKK-STRAND RICHTUNG GRENZE
AHRENSHOOP,OSTSEEBAD
3 AHRENSHOOP,HOHES UFER
4 AHRENSHOOP,REHA-KLINIK **ALTEFAEHR ALTEFAEHR** ALTENKIRCHEN ● NONNEVITZ ⊕ ■ ZITTCHOW-DREWOLDKE BAABE BAABE BANSIN, SEEBAD
9 BANSIN HAUPTSTRAND BANSIN LANGENBERG BARTH GLOEWITZER BUCHT BASEDOW ▲ MALCHINER SEE, SEEDORF BINZ BINZER HAUPTSTRAND 13 MUKRAN PRORA-NORD PRORA-SUED 15 **BORN A.DARSS** AHRENSHOOP-BORN, REHBERGE 17 BORN, CAMPINGPLATZ BREEGE 19 ⊝ ● JULIUSRUH 20 ⊕ ● SCHAABE-NORD DARGUN ▲ KLOSTERSEE DARGUN DIERHAGEN, OSTSEEBAD

22 DIERHAGEN NEUHAUS/PLATEAU

23 DIERHAGEN-OST DRANSKE DRANSKE
 DRANSKE-BAKENBERG
 DRANSKER BODDENSTRAND 24 25 26 GOOS - LANCKEN GAGER GAGER GROSSER STRAND GARZ ROSENGARTEN GLOWE GLOWE ORT 30 SCHAABE-SUED **GOEHREN** GOEHREN-NORDSTRANDGOEHREN-SUEDSTRAND **GOEHREN-LEBBIN** 34 ⊙ ▲ FLEESENSEE UNTER-GOEHREN GORSCHENDORF 35 ⊕ ▲ KUMMEROWER SEE SALEM GOTTHUN 36 A MUERITZ GOTTHUN GRAMBIN 37 • STETTINER HAFF GRAMBIN
GREIFSWALD, ELDENA 38 ⊕ STRANDBAD ELDENA GUETZKOW ▲ KOSENOW SEE GUSTOW HIDDENSEE GELLEN-NEUENDORF 45 KLOSTER
 VITTE-DILL

VITTE-DUENENHEIDE

KARLSHAGEN CAMPINGPLATZ
 KARLSHAGEN HAUPTSTRAND

48 A KIESSEE ZARRENTIN KARLSHAGEN

JARMEN

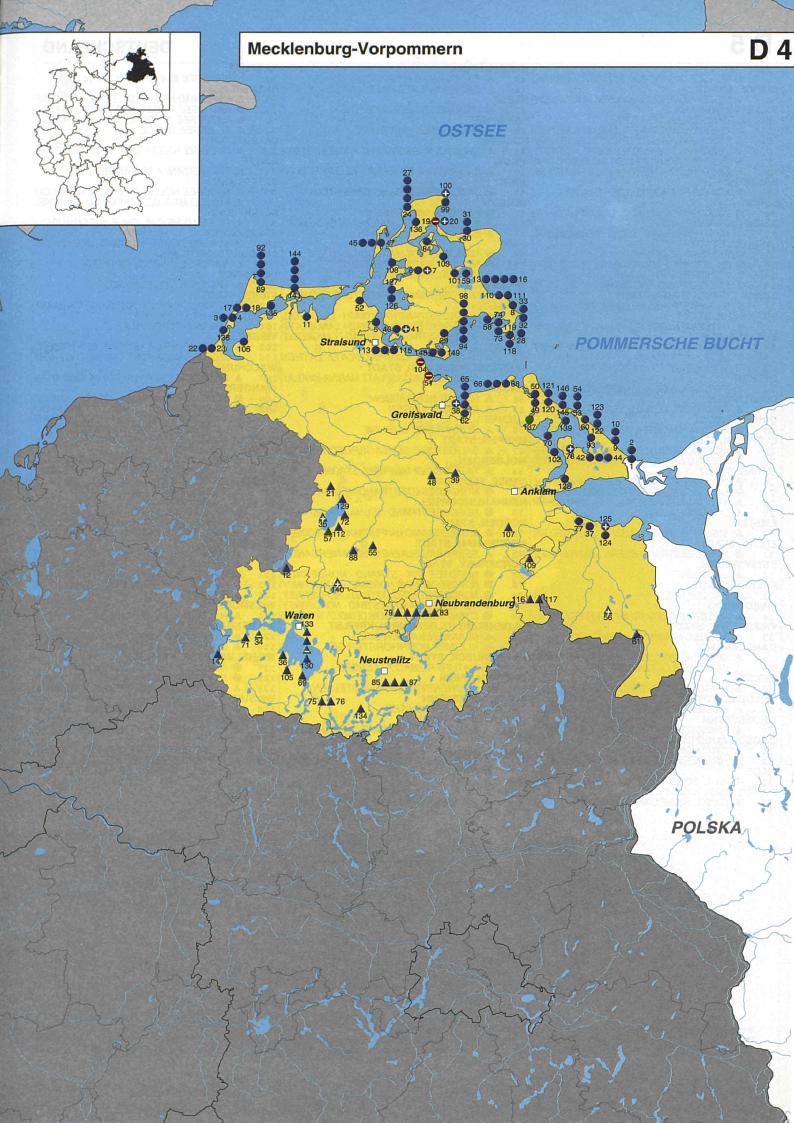
50

KIRCHDORF 51 ⊙ ● STRELASUND,TREMT KLAUSDORF PROHNER WIECK, KLAUSDORF KOSEROW KOSEROW FKK PARKPLATZKOSEROW WARMBAD KRIESOW 55 A TUEZER SEE KRUGSDORF ⊕ ▲ KIESSEE KRUGSDORF KUMMEROW ▲ KUMMEROWER SEE KUMMEROW LANCKEN-GRANITZ 58 NEU REDDEVITZ LIETZOW 59 LODDIN KOELPINSEE HAUPTSTRAND LOECKNITZ ▲ LOECKNITZER SEE 61 LOISSIN **GAHLKOW** 62 LOISSIN BUNGALOWSIEDLUNG LOISSIN CP RETTUNGSTURM 63 64 **LUDWIGSBURG** 65 LUBMIN LUBMIN FKK TEUFELSTEIN LUBMIN SEEBRUECKE 66 67 LUBMIN WALDHEIDE 68 LUDORF 69 A MUERITZ LUDORF LUETOW LUETOW CAMPINGPLATZ MALCHOW 71 A FLEESENSEE MALCHOW MEESIGER **▲ KUMMEROWER SEE GRAVELOTTE MIDDELHAGEN** ALT REDDEVITZLOBBE-FISCHERSTRAND 73 74 MIROW GRANZOWER MOESCHEN 75 ▲ MIROWER SEE MOENKEBUDE STETTINER HAFF MOENKEBUDE NEPPERMIN ⊕ ● BALM NEUBRANDENBURG ▲ REITBAHNSEE ▲ TOLLENSESEE AUGUSTABAD 79 80 TOLLENSESEE BRODA 82 TOLLENSESEE BUCHORT TOLLENSESEE GATSCHECK 83 NEUENKIRCHEN VIEREGGE NEUSTRELITZ ▲ DOMJUECHSEE ▲ FUERSTENSFE 85 FUERSTENSEER SEE FUERSTENSEE 86 GLAMBECKER SEE **PINNOW** PINNOWER SEE 88 PREROW DARSSER LEUCHTTURM 89 PREROW, DUENENHAUS NORDSTRAND PREROW, PARKPLATZ HOHE DUENE PREROW, REGENBOGENCAMP 90 91 92 **PUDAGLA** 93 • PUDAGLA IM BEREICH KONKERBERG PUTBUS BADESTRAND IN DER GOOR 94 95 NEUENDORFER BADESTRAND **NEUKAMP** STRESOWER BADESTRAND
 WREECHENER BADESTRAND 97 98 **PUTGARTEN** 99 ● PUTGARTEN NORDSTRAND 100 ⊕ ● VITT RALSWIEK RALSWIEK 101

RANKWITZ QUILITZ UNTERHALB DER STEILKUESTE RAPPIN BANZELVITZER BERG 103 REINBERG ROEBEL 105 ▲ MUERITZ-BAD SAAL LANGENDAMM, KLEINGARTENANLAGE 107 A BADESTELLE KIESGRUBE WUSSEKEN SCHAPRODE SCHWICHTENBERG 109 A LUEBKOW-SEE SCHWICHTENBERG SELLIN 110 • SELLIN-FISCHERSTRAND 111 • SELLIN-NORDSTRAND SOMMERSDORF 112 A KUMMEROWER SEE SOMMERSDORF STRALSUND DEVIN
 STRELASUND FREIBAD
 STRELASUND SEEBADEANSTALT 114 115 STRASBURG ▲ SCHMIEDEGRUNDSEE NEUENSUND ▲ STADTSEE 116 THIESSOW THIESSOW FISCHERSTRAND
 THIESSOW HAUPTSTRAND 118 TRASSENHEIDE TRASSENHEIDE CAMPINGPLATZ
 TRASSENHEIDE HAUPTSTRAND 120 **UECKERITZ** UECKERITZ CAMPINGPLATZUECKERITZ FISCHERSTRAND 123 **UECKERMUENDE** 124 ● STETTINER HAFF BELLIN 125 ⊕ ● STETTINER HAFF UECKERMUENDE UMMANZ SUHRENDORF-HEIDEWAASE / FOCKERSTROM 126 USEDOM USEDOM-PEENESTROM VERCHEN ▲ KUMMEREOWER SEE VERCHEN WAREN 130 ▲ FEISNECKSEE 131 ⊝ ▲ KOELPINSEE 132 ▲ MUERITZ ECKTANNEN MUERITZ VOLKSBAD WESENBERG WESENBERG 134 ▲ WEISSER SEE WIECK A. DARSS 135 ● WIECK,NOERDL. FASTBUELTENHAKEN WIEK WIEK NORD **WOLGAST-STADT** WOLGAST-DREILINDENGRUND WUSTROW, OSTSEEBAD WUSTROW, PARKPLATZ NEBELSTATION ZEMPIN ZEMPIN CAMPINGPLATZ ZETTEMIN 140 ⊕ ▲ RUETZENFELDER SEE ZINGST ZINGST, KURHAUS ZINGST, MUEGGENBURG,PARKPLATZ ZINGST, SUNDISCHE WIESE,PARKPL. ZINGST,1.PARKPLATZ UMGEHUNGSSTR., 141 142 143 ZINNOWITZ, OSTSEEBAD

145 ZINNOWITZ 500M OESTLICH VOM HAUPTZUGANG

146 ZINNOWITZ CAMPINGPLATZ ZISLOW ▲ PLAUER SEE ZISLOW ZUDAR STRAND GRABOW - PALMER ORT 148 ZELTPLATZSTRAND ZICKER-ZUDAR 149



▲ BADESEE BULLING, NETHEN

SPIEKSEE RHEDE

91 → NATURBAD NEURHEDE, EICHENSTRASSE
92 → NATURSEE AN DER BORSUMER STRASSE
93 → NATURSEE IN BRUAL, POLLERSTRASSE

RASTEDE

D 5 APEN BADESEE CAMPINGPLATZ DELGER, NORDLOH **AURICH, STADT** FREIZEITANLAGE TANNENHAUSEN, STADT AURICH **BAD ZWISCHENAHN ▲ SANDGRUBE WEHNEN** ▲ ZWISCHENAHNER MEER, JUGENDHERBERGE ■ ZWISCHENAHNER MEER, BADEST. DREIBERGEN
 □ ■ ZWISCHENAHNER MEER, BADEST. ROSTRUP
 ■ ZWISCHENAHNER MEER, BADEST. BAD ZWISCHENAHN ZWISCHENAHNER MÉER,OELTJEN HALFSTEDE BALTRUM NORDSEE HAUPTBADESTRAND BERNE WESERBADESTELLE JULIUSPLATE BRAKE (UNTERWESER), STADT WESERSTRAND KAESEBURG BRAMSCHE, STADT

17 A NATURBAD DARNSEE (3 PROBESTELLEN) BUTJADINGEN JADEBUSENSTRAND ECKWARDERHOERN
 NORDSEESTRAND BURHAVE 18 19 NORDSEESTRAND TOSSENS 20 DETERN BADESEE STICKHAUSEN, JUEMME DOETLINGEN ▲ CAMPINGPLATZBADESEE ASCHENBECK DORNUMERSIEL ○ ● NORDSEEBADESTRAND DORNUMERSIEL **ELSFLETH, STADT** WESERBADESTELLE OBERHAMMELWARDEN NORD 24 WESERBADESTELLE OBERHAMMELWARDEN SUED **EMDEN, STADT** 26 DOLLARTSTRAND WYBELSUM - KNOCK
27 MAHLBUSEN (VORFLUTERBECKEN) KNOCK
28 ANATURBAD KLEINES MEER (HIEVE) - MARIENWEHR **UPHUSER MEER EMSTEK** 30 ⊝ ▲ BAGGERSEE HALEN - HALEN (3 PROBESTELLEN)
ESENS, STADT
31 ● NORDSEESTRAND ESENS - BENSERSIEL **ESTERWEGEN** 32 ▲ ERIKASEE FREREN, STADT 33 ▲ SALLER SEE **FRIEDEBURG**

GEESTE

41

HAGE

HAREN (EMS), STADT

▲ BAGGERSEE DANKERN

71 ⊝ NORDSEESTRAND HAUPTSTRAND - NORDDEICH NORDENHAM, STADT 72 ▲ SEEPARKGELAENDE BLEXNERSAND NORDERNEY, STADT

73 NORDSEE FKK - STRAND - NORDERNEY

74 NORDSEESTRAND NORDBAD - NORDERNEY

75 NORDSEESTRAND OSTBAD - NORDERNEY GANDERKESEE ▲ BADESEE HOHENBOEKENER MOOR, BOOKHOLZBERG OSNABRUECK, STADT 80 A NATURFREIBAD ATTERSEE
OSTERCAPPELN
81 A KRONENSEE (3 PROBESTELLEN) ▲ BADESTELLE FALKENSTEINSEE, FALKENBERG ▲ SPEICHERBECKEN - GEESTE GOLDENSTEDT **OSTRHAUDERFEHN** 82 A BADESEE IDASEE PAPENBURG, STADT ▲ BADESEE HARTENSBERGSEE (2 PROBESTELLEN) GROSSEFEHN ▲ FREIZEITANLAGE TIMMELER MEER GROSSENKNETEN ▲ CAMPINGPLATZBADESEE SCHONER, BISSEL ▲ HELENENSEE - GROSSENKNETEN

KIESSEE BERUM - SAMTGEMEINDE HAGE

HASELUENNE **▲ BADESEE TOTENBERGWEG** 45 **▲ CAMPINGPLATZ HASELUENE** HEEDE 47 ⊕ ▲ BADESEE HEEDE, DOERPEN HERZLAKE 48 A BAGGERSEE HERZLAKE HOLDORF 49

→ HEIDESEE (BAGGERSEE) (2 PROBESTELLEN) IHLOW ▲ BADESEE IHLER MEER - IHLOWERFEHN JADE JADEBUSENSTRAND SEHESTEDT JEMGUM 52 ⊕ FREIBAD AN DER EMS
53 NORDSEE DOLLART DYKSTERHAUSEN BOHRINSEL ▲ BADESEE HOLTEGASTE JUIST NORDSEESTRAND LOOGBAD 55 NORDSEESTRAND OSTBAD
 NORDSEESTRAND WESTBAD KRUMMHOERN NORDSEEBADESTRAND UPLEWARD LANGEOOG NORDSEESTRAND HAUPTBAD I - LANGEOOG
 NORDSEESTRAND OSTBAD - LANGEOOG
 NORDSEESTRAND WESTBAD - LANGEOOG 60 LATHEN 62 ○ ▲ BAGGERSEE CAMPINGPLATZ, LATHEN LEER (OSTFRIESLAND), STADT

63

BADESEE CAMPINGPLATZ MARINA-BINGUM LINGEN 64 ⊝ ▲ BIENER SEE, LINGEN 65 ⊝ ▲ DIEKSEE, LINGEN LUENNE MEPPEN, STADT 67 ⊝ ▲ BAGGERSEE SCHLAGBRUECKERWEG MOLBERGEN NOUSERN

68 A THUELSFELDER TALSPERRE (3 PROBESTELLEN)

NESSE, FLECKEN

69 NORDSEEBADESTRAND NESSMERSIEL

NEUHARLINGERSIEL 70 • NORDSEESTRAND NEUHARLINGERSIEL NORDEN, STADT

NORDSEESTRAND WESTBAD - NORDERNEY

STRAND "KREISJUGENDWERK DETMOLD"- NORDERNE

83 ⊙ ▲ BADESEE PRANGENWEG, PAPENBURG

89 ⊕ ▲ BADESEE (ERHOLUNGSGEBIET) QUENDORF

TUNXDORFER WALDSEE

▲ NATURBAD BOELTE ▲ NATURBAD GESPRENGTE BRUECKE ▲ NATURBAD SURFSEE, BOKEL

▲ BARRENBERG-SEE

76

85

(-)

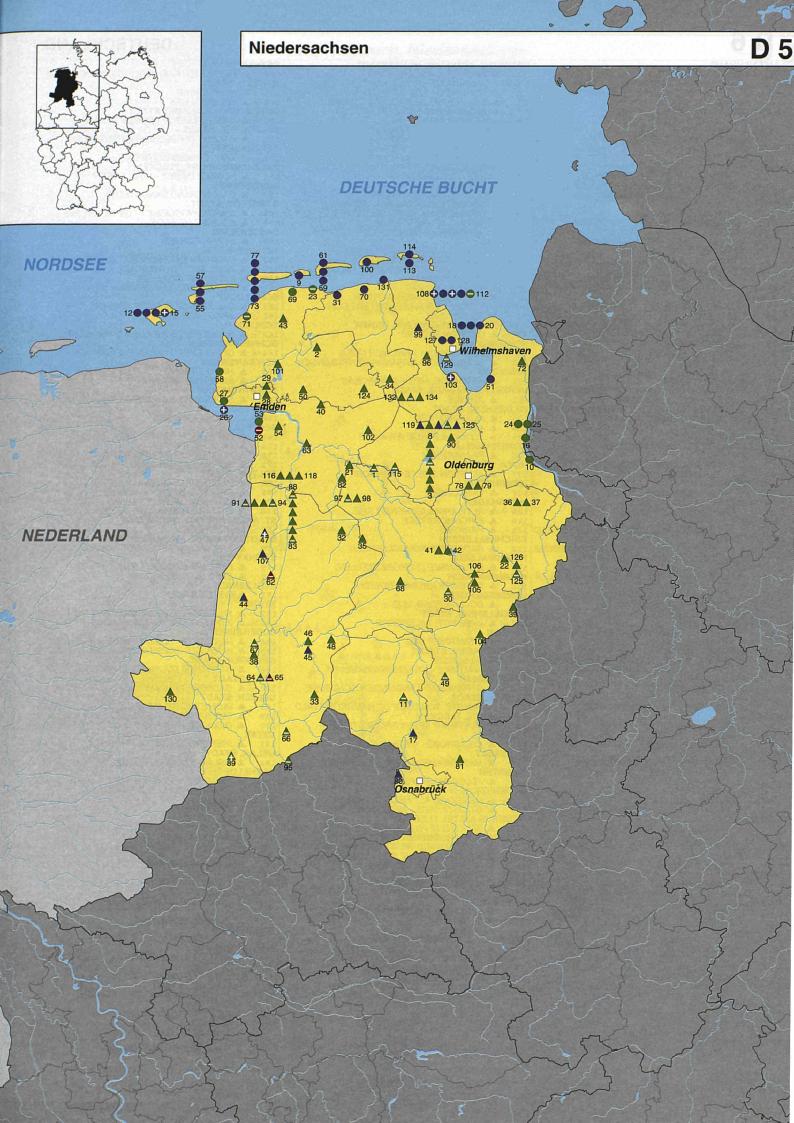
QUENDORF

SALZBERGEN 95 SANDE FREIZEITANLAGE SANDER SEE SATERLAND 97 ⊝ ▲ BADESEE HOLLENER MOOR, RAMSLOH 98 ▲ BADESEE MAIGLOECKCHENWALD, SCHARREL **SCHORTENS** 99 A FREIBAD HEIDMUEHLE (KIESGRUBE) SPIEKEROOG NORDSEESTRAND HAUPTBAD - SPIEKEROOG SUEDBROOKMERLAND **▲ NATURSEE GROSSES MEER** UPLENGEN 102 ▲ BADESEE GROSSSANDER VAREL, STADT 103 ⊕ KOMMUNALER BADESTRAND DANGAST VECHTA, STADT ▲ FREIBAD TONKUHLE 104 VISBEK 105 ▲ BADESEE CAMPINGPLATZ ACAPULCO (2 PROBEST.) 106 ▲ BADESEE KOKEMUEHLE, CAMPINGPLATZ KOKÉ WALCHUM ▲ NATURBADESEE WALCHUM, DOERPEN WANGERLAND 108 ⊕ NORDSEESTRAND HOOKSIEL FKK - STRAND 109 NORDSEESTRAND HOOKSIEL HUNDESTRAND 110 ⊕ NORDSEESTRAND HOOKSIEL TEXTILSTRAND 11 NORDSEESTRAND HORUMERSIEL 12 ONORDSEESTRAND SCHILLIG 111 WANGEROOGE, NORDSEEBAD

113 • NORDSEE STRANDBAD IM WESTEN - WANGEROOGE

114 • NORDSEESTRAND HAUPTBAD - WANGEROOGE WESTERSTEDE, STADT
115 ⊝ ▲ BADESEE KARLSHOF
WESTOVERLEDINGEN ▲ BADESEE GROTEGASTE ▲ BADESEE STEENFELDE - WESTOVERLEDINGEN 116 **▲** BADESEE VOELLEN WIEFELSTEDE ▲ BADESEE CAMPINGPLATZ BRUMUND, CONNEFORDE 120 A BADESEE CAMPINGPLATZ RABBEN, MOLLBERG
121 A BADESEE SIEDLUNG BRANDORFF, MOLLBERG
122 A BADESEEN AMMERLAND-OASEN, DRINGENBURG ▲ BADESEEN SEEPARK, LEHE 123 WIESMOOR 124 ▲ NATURBAD OTTERMEER
WILDESHAUSEN, STADT
125 ⊝ ▲ BADESEE WESTERHOLT (AM KORSOBERG) CAMPINGPLATZBADESEE SCHROEDER, AUMUEHLÉ WILHELMSHAVEN, KRFR. ST. NORDSEE GENIUSSTRAND
 NORDSEE SUEDSTRAND 127 128 129

A BADESEE KLEIN- WANGEROOGE (BANTER SEE) WILSUM 130 A BADESEE (ERHOLUNGSGEBIET) WILSUM WITTMUND, STADT NORDSEESTRAND HARLESIEL 131 ZETEL 132 ▲ BADESEE FREIZEITGELAENDE ASTERFELD 133 ⊙ ▲ FREIBAD DRIFEDER ESCH 134 ▲ FREIBAD GRABSTEDERFELD (KIESGRUBE)



AMT NEUHAUS A BADESTELLE STIXE
A BADESTELLE ZEETZE
A SUMTER SEE, BADESTELLE HAAR
A TRABSEE STAPEL 4 A TRABSEE STAPEL
BAD LAUTERBERG IM HARZ, STADT ▲ FREIBAD BARBIS ▲ ODERTALSPERRE ▲ WIESENBEKER TEICH 8 A BARUMER SEE SOM BADESEE MIT QUELLE IN HOLLSTEDT BADESEE OHNE QUELLE IN HOLLSTEDT BERIESEE IN GROSS RINGMAR BISPINGEN

12 ▲ BRUNAUSEE - BISPINGEN

13 ⊝ ▲ FEUERLOESCHTEICH - STEINBECK
BLENDER 14 ⊝ ▲ BLENDER SEE, BLENDER-VERDEN BREMEN EMEN

A ACHTERDIEKSEE

BULTENSEE

MAHNDORFER SEE

SODENMATTSEE

STADTWALDSEE

WALLER FELDMARKSEE

WESSED

WESSED 19 ▲ WESER 33 A SPRINGHORSTSEE
BUXTEHUDE 34 ⊝ ▲ FREIBAD 'HEIDEBAD' - BUXTEHUDE CAPPEL 35 NORDSEEBADESTRAND CAPPEL-NEUFELD CELLE, STADT DAHLENBURG, FLECKEN
48 A BADESEE VENTSCHAU
DOERVERDEN 49 A LANDWEHRSEE STEDEBERGEN DORUM 50 ⊕ ▲ DORUMER-TIEF DROCHTERSEN FINTEL
57 ▲ EUROSTRAND (2 PROBENSTELLE
FLOEGELN
58 ▲ FLOEGELNER SEE
FREDENBECK
59 ○ ▲ BADESEE FREDENBECK
FRIEDLAND
60 ④ ▲ WENDEBACHSTAUSEE
GARBSEN, STADT
61 ▲ FREIBAD - BLAUER SEE
GARBSEN, STADT
62 ▲ WALDBAD GARLSTORF
62 ▲ WALDBAD GARLSTORF
GARTOW, FLECKEN
63 ▲ GARTOWER SEE - BADESTRAND
64 ▲ GARTOWER SEE - SURFSTRAND
65 ▲ GARTOWER SEE - SURFSTRAND
65 ▲ GARTOWER SEE - BADESTELLE I
66 ▲ LAASCHER SEE - BADESTELLE I
67 ▲ LAASCHER SEE - BADESTELLE I
GIFHORN, STADT
68 ▲ ERIKASEE
GOSLAR, STADT
69 ○ ▲ KUTTELBACHER TEICH
HAEMELHAUSEN
70 ▲ HAEMELSEE / ANDERTEN
HAMBERGEN
71 ▲ KIESGRUBE - STEDEN-HELLINGS* ▲ EUROSTRAND (2 PROBENSTELLEN)

71 A KIESGRUBE - STEDEN-HELLINGST HAMBUEHREN

72 O A STRANDBAD OVELGOENNE

HANDORF **▲ SONNENSEE** 97 A SONNENSEE
HARZ (LANDKREIS GOSLAR), GEMFR.
98 A OKERTALSPERRE
HEMMINGEN
99 A HEMMINGEN - ARNUMER SEE
100 A HEMMINGEN - STRANDBAD HEMMINGEN
HEMMOOR 112 A BADESEE KIRCHGELLERSEN KIRCHWALSEDE 113 A BULLENSEE (3 PROBESTELLEN)
KRUMMENDEICH 114 A BADESEE KRUMMENDEICH LANDESBERGEN 115 ▲ BOLLWERDER SEE
LANGELSHEIM, STADT
116 ○ ▲ INNERSTE TALSPERRE
LANGEN LANGEN

117 SIEVERNER SEE

LANGENHAGEN, STADT

118 SILBERSEE

119 WALDSEE - KRAEHENWINKEL 134 • NORDSEESTRAND SPIEKA-NEUFELD NORTHEIM, STADT 141 A BADESEE JUGENDLAGER!
OTTERSBERG, FLECKEN
142 A OTTERSTEDTER SEE
OYTEN OYTEN
143 ▲ OYTER BAGGERSEE
PEINE, STADT
144 ▲ EIXER SEE (2 PROBESTELLEN)
REGESBOSTEL ▲ BADETEICH REGESBOSTEL

RETHEM (ALLER)

146 ▲ RETHEMER FAEHRSEE (CAMPINGPLATZ)
RINTELN, STADT

147 ▲ DOKTORSEE

148 → ▲ HELENEN SEE 148 ⊕ ▲ HELENEN SEE
ROTENBURG (WUEMME), STADT
149 ⊕ ▲ WEICHELSEE (2 PROBESTELLEN)
SALZGITTER, STADT
150 ▲ SALZGITTERSEE (6 PROBESTELLEN)
SALZHAUSEN
151 ▲ TANGENDORFER TEICH
SALZHEMMENDORF, FLECKEN
152 ▲ HUMBOLDT SEE - WALLENSEN
SANDSTEDT
153 ▲ BADESTRAND SANDSTEDT
SARSTEDT, STADT
154 ▲ ERHOLUNGSGEBIET - GIFTENER SEE
155 ▲ KIESSEE HEISEDE
SASSENBURG
156 ▲ BERNSTEINSEE 160 ▲ REIF SCHIFFDORF 161 ▲ BADESEE SILBERSEE - WEHDEL 162 ⊝ ▲ SPADENER SEE SCHLADEN SCHLADEN 163 © & BADETEICH SCHLADEN (2 PROBESTELLEN) SCHNEVERDINGEN 164 ⊕ ▲ QUELLENBAD - SCHNEVERDINGEN
SCHWANEWEDE
165 ▲ HARRIERSAND
166 ⊝ ▲ SILBERSEE BRUNDORF
SCHWARMSTEDT 167 A BADESEE AZUR CAMPINGPLATZ - ENGEHAUSEN SEEBURG SEEBURG
168 ⊕ ▲ SEEBURGER SEE
SEEVETAL
169 ▲ BADETEICH RAMMELSLOH
170 ▲ MASCHENER SEE
171 ▲ PULVERMUEHLENTEICH MECKELFELD
172 ▲ SEE IM MASCHENER MOOR (SUEDL. RICHT. B4)
SOI TAIL STADT 182 ○ ▲ SILBERSEE / GROSSMACKENSTEDT 183 ○ ▲ STELLER SEE / GROSSMACKENSTEDT SUDERBURG UETZE 191 ▲ IRENENSEE - DAHRENHORST
USLAR, STADT
192 ▲ USLAR, BADESTELLE IM OT SCHOENHAGEN
VECHELDE 193 ▲ BADESEE VECHELDE - BETTMAR (FREIBAD) 194 ▲ CAMPINGPLATZ BETTMAR WALKENRIED WALKENHIED
195 ▲ PRIORTEICH
WALSRODE, STADT
196 ▲ BADETEICH VETHEM (CAMPINGPLATZ)
197 ▲ NATURSEE HODENHAGEN
198 ▲ STRANDBAD - DUESHORN
WEDDMARK 198 ▲ STHANDBAD - DUESHORN
WEDEMARK

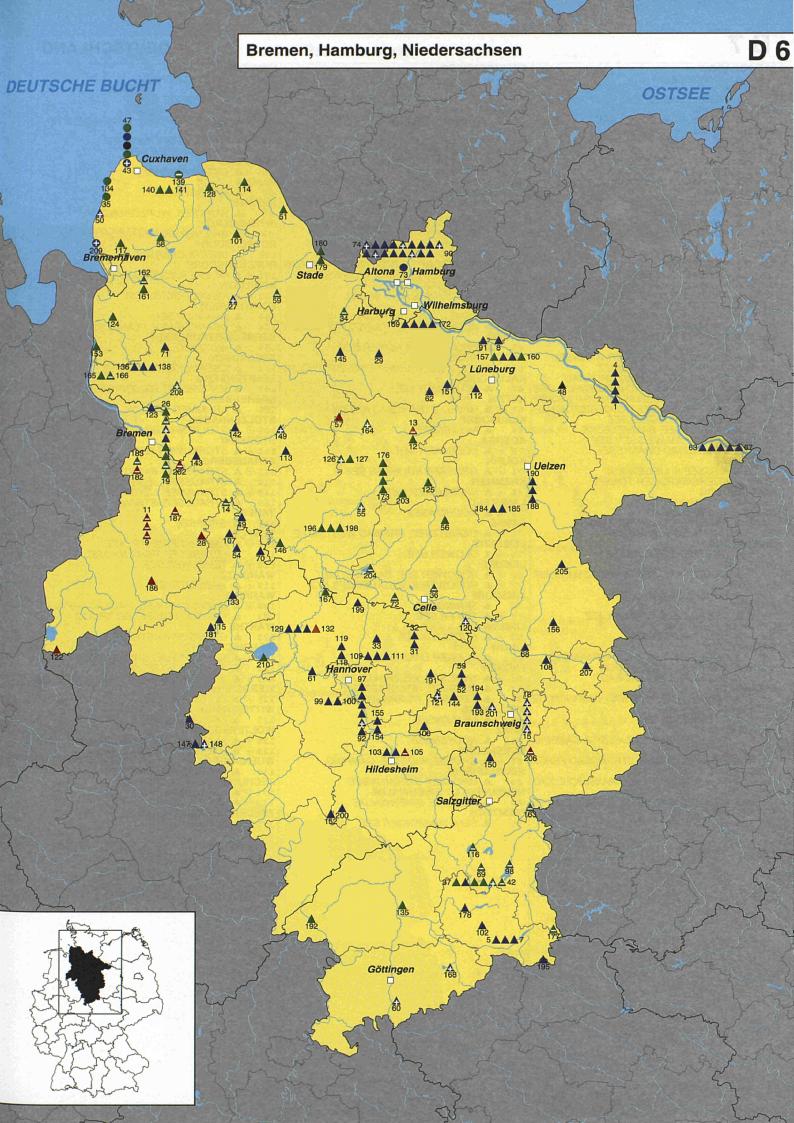
199 ▲ NATELSHEIDESEE - BISSENDORF
WEENZEN
200 ▲ BRUCHSEE (3 PROBESTELLEN)
WENDEBURG
201 ♠ ▲ CAMPINGPLATZ MEERDORF WEYHE
202 ○ ▲ ALTE WESER IN DREYE
WIETZENDORF
203 ▲ SUEDSEEKAMP
WINSEN (ALLER)
204 ○ ▲ BADESEE IM HUETTENSEE-PARK - MEISSENDORF WINSEN (ALLEH)
204 ○ ▲ BADESEE IM HUETTENSEE-PARK - MEIS
WITTINGEN
205 ▲ STRANDBAD KNESEBECK
WOLFENBUETTEL, STADT
206 ○ ▲ FUEMMELSEE (2 PROBESTELLEN)
WOLFSBURG, STADT
207 ▲ ALLERSEE (2 PROBESTELLEN)
WORPSWEDE
200 ○ ▲ HAMME (NELLIES COLAND WORPSWEDE

208 ♠ AHAMME / NEU HELGOLAND

WREMEN

209 ⊕ NORDSEESTRAND WREMEN

WUNSTORF ▲ BADEINSEL IM STEINHUDER MEER



DEUTSCHLAND

ALT SCHADOW 1 ⊕ ▲ GODNASEE ALTENHOF 2 ▲ WERBELLINSEE, EJB ALTZESCHDORF 3 ⊕ ▲ HOHENJESARSCHER SEE **ANGERMUENDE** 4 WOLLETZSEE ATTERWASCH **⊕** ▲ DEULOWITZER SEE BAD LIEBENWERDA OT ZEISCHA

6 ○ ▲ WALDBAD, CAMPINGPLATZ
BAD SAAROW 7 ▲ SCHARMUETZELSEE, CECILIENPARK
8 ▲ SCHARMUETZELSEE, PIESKOW
9 ④ ▲ SCHARMUETZELSEE, STRANDBAD MITTE
10 ○ ▲ SCHARMUETZELSEE, STRANDBAD NEPTUN
BERLIN BADESTELLE GRUNEWALDSEE A BADESTELLE GRUNEWALDSEE

A BREITEHORN

FREIBAD HALENSEE

FREIBAD JUNGFERNHEIDETEICH

FREIBAD TEGELER SEE

FREIBAD ZIEGELEISEE

GROSSE STEINLANKE

KONRADSHOEHE/BUERGERABLAGE 14 15 16 17 18 19 20 ▲ SAATWINKEL

④ ▲ STRANDBAD GROSSER WANNSEE

⑤ ▲ DAHME, SCHMOECKWITZ

▲ DAHME, STRANDBAD GRUENAU

▲ DAHME, STRANDBAD WENDENSCHLOSS

⑥ ▲ GROSSER MUEGGELSEE, BAD RAHNSDORF

⑥ ▲ GROSSER MUEGGELSEE, SEEBAD FRIEDRICHSHAGEN

▲ KLEINER MUEGGELSEE

⑥ ▲ LANGER SEE, BAMMELECKE

④ ▲ SEEBAD AM WEISSEN SEE

▲ STRANDBAD ORANKESEE

STENSEE ▲ SAATWINKEL 22 27 BESTENSEE ▲ KIESSEE II, LIEGEWIESE ▲ KOERBISKRUGER TONSEE 31 BOITZENBURG 33 ⊕ ▲ SCHUMELLENSEE BRANDENBURG/HAVEL

34 ♠ A SCHUMELLENSEE

BRANDENBURG/HAVEL

34 ♠ A BEFTZSEE, MASSOWBURG

35 ♠ BREITLINGSEE, MALGE

BRIESELANG 36 A NYMPHENSEE (BADESEE)
BRODOWIN 37 \odot A PARSTEINER SEE, PEHLITZ/WERDER BUCKOW **▲** SCHERMUETZELSEE BUTZOW 39 © A BEETZSEE, CAMPINGPLATZ DIENSDORF-RADLOW
40 A SCHARMUETZELSEE **EGGERSDORF** 41 ▲ BOETZSEE, FKK "HOCHSPANNUNG" 42 ⊕ ▲ BOETZSEE, POSTBRUCH 43 ▲ BOETZSEE, STRANDBAD **EICHHORST** 44 A WERBELLINSEE, AM SPRING, CAMPINGPLATZ ERKNER 45 A DAEMERITZSEE FALKENBERG 46 ⊕ ▲ KIEBITZER SEE, NEZ KIEBITZ, CAMPING FERCH 47 ⊕ ▲ SCHWIELOWSEE, STRANDBAD FERCH FERCHESAR

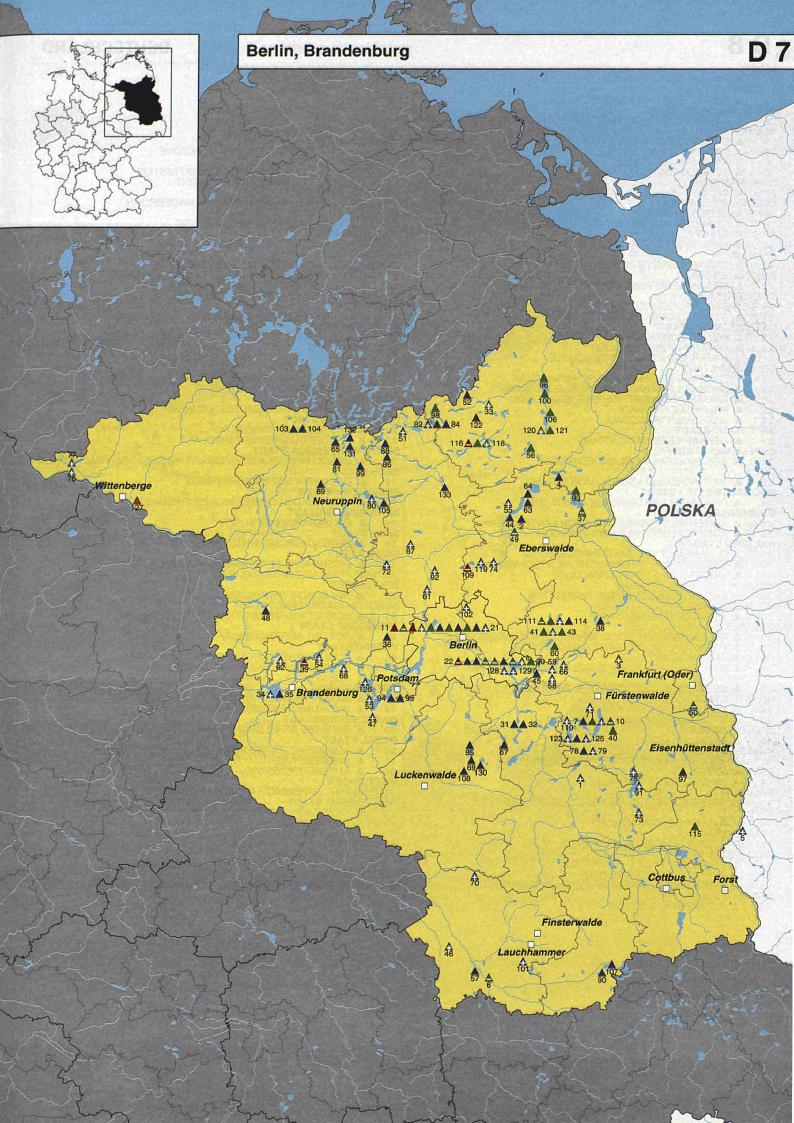
FUERSTENBERG 51 ⊕ ▲ ROEBLINSEE FUNKENHAGEN 52 A CARWITZER SEE, THOMSDORF GLINDOW 53 ⊕ ▲ GLINDOWER SEE GORTZ 54 ⊕ ▲ BEETZSEE, CAMPINGPLATZ
GROSS SCHOENEBECK
55 ⊕ ▲ WERBELLINSEE, SUESSER WINKEL
GROSS-FREDENWALDE 56 A SABINENSEE GROSSKOSCHEN 57 A SENFTENBERGER SEE
GRUENHEIDE 62 ⊕ ▲ PRITZERBER SEE - HAVEL JOACHIMSTHAL 63 MERBELLINSEE, CAMPINGPLATZ VIOGTWIESE
64 MERBELLINSEE, HOLZABLAGE MICHEN KAGAR 65 A GROSSER ZECHLINER SEE
KAGEL-MOELLENSEE 66 ⊕ ▲ MOELLENSEE, GRUENHEIDE, WEG ZUR ERHOLUNG KALLINCHEN 67 A MOTZENER SEE KETZIN 68 ⊕ ▲ HAVEL, STRANDBAD KETZIN KLAUSDORF MELLENSEE
KOERBA 70 ⊕ ▲ KOERBAER SEE KOLPIN 71 🕀 🛦 GROSSER KOLPINER SEE KREMMEN 72 ⊕ ▲ KREMMENER SEE LAMSFELD 73 ⊕ ▲ MOCHOWSEE 74 ⊕ ▲ LIEPNITZSEE, FREIBAD WESTSEITE LEISSNITZ 75 ⊕ ▲ GLOWER SEE LENZEN 76 \bigoplus A RUDOWER SEE, BADEANSTALT 77 \bigoplus A RUDOWER SEE, CAMPINGPLATZ LIMSDORF 78 ▲ SPRINGSEE 79 ⊕ ▲ TIEFER SEE LINDOW 80 ⊕ ▲ GUDELACKSEE LINOW 81 A KLEINER LINOWSEE 82 ⊕ ▲ WURLSEE, ZELTPLATZ 79 83 ▲ ZENSSEE, HEILSTAETTEN 84 ▲ ZENSSEE, WUPPGARTEN MELLENSEE **▲** MELLENSEE MENZ 86 A ROOFENSEE
NEUENDORF 87 ⊕ ▲ GROSSE PLOETZE, CAMPING NEUGLOBSOW 48 A HOHENNAUENER SEE, DRANSESCHLUCHT 88 A GROSSER STECHLINSEE NEURUPPIN OT BINENWALDE 49 ○ ▲ UEDERSEE, FERIENPARK UEDERSEE, CAMPING FRANKFURT (ODER)
50 ○ ▲ HELENESEE ▲ KALKSEE, BINENWALDE NIEMTSCH **▲ SENFTENBERGER SEE**

NIEWISCH 91 ⊕ ▲ SCHWIELOCHSEE ORANIENBURG 92 ⊕ ▲ LEHNITZSEE PARSTEIN ▲ PARSTEINER SEE, CAMPINGPLATZ POTSDAM ▲ HAVEL, TEMPLINER SEE ▲ HAVEL, TIEFER SEE 94 PRENZLAU **▲ UNTERUCKERSEE** 97 A RANZIGER SEE ▲ WURLSEE, WURLGRUND RHEINSBERG 99 A GRIENERICKSEE ROEPERSDORF **▲ UNTERUCKERSEE** RUECKERSDORF 101 ⊕ ▲ BADESEE RUECKERSDORF (EHEM. BADETEICH)
SCHILDOW 102 (A KIESSEE SCHILDOW SCHWEINRICH ▲ DRANSER SEE ▲ DRANSER SEE, PLANSCHEN 103 104 SEEBECK-STRUBENSEE

105 A WUTZSEE

SEEHAUSEN 106 A OBERUCKERSEE, QUAST SENFTENBERG 106 107 A SENFTENBERGER SEE, SENFTENBERG/BUCHWALDE SPERENBERG 108 A KRUMMER SEE STOLZENHAGEN 109 ⊝ ▲ STOLZENHAGENER SEE STORKOW 110 ⊕ ▲ STORKOWER SEE STRAUSBERG 111 ○ ▲ STRAUSSEE, BADSTRABE 112 ▲ STRAUSSEE, JENSEITS DES SEES 113 ⊕ ▲ STRAUSSEE, LIEGEWIESEN NORD 114 ▲ STRAUSSEE, STRANDBAD TAUER GROSSEE TEMPLIN 116 ⊕ ▲ FAEHRSEE, ZELTPLATZ 117 ▲ LUEBBESEE, FERIENHOTEL TEMPLINER SEE WANDLITZ 119 ⊕ ▲ WANDLITZSEE WARNITZ 120

OBERUCKERSEE, DAUERCAMPING
121 OBERUCKERSEE, ZELTPLATZ WARTHE **▲** GROSSER WARTHESEE WENDISCH-RIETZ 123 ♠ SCHARMUETZELSEE, CAMPINGPLATZ SCHWARZHORN 124 ♠ SCHARMUETZELSEE, EHEM. JEZ 125 ⊕ ♠ SCHARMUETZELSEE, GEMEINDEWIESE WERDER/HAVEL 126 ⊕ ▲ PLESSOWER SEE WITTENBERGE 127 ▲ FRIEDENSTEICH WOLTERSDORF 128 ⊕ ▲ FLAKENSEE, CAMPINGPLATZ E42 129 ⊕ ▲ KALKSEE, RICHARD-WAGNER-STR. WUENSDORF **▲** GROSSER WUENSDORFER SEE ZECHLINERHUETTE 131 A SCHLABORNSEE 132 A ZOOTZENSEE ZEHDENICK-NEUHOF ▲ WALDBAD



ALPEN ▲ FREIZEITSEE ALPEN-MENZELEN ATTENDORN STADT 2 A BIGGESEE/WALDENBURGER BUCHT
BERGKAMEN STADT
3 A BADEANSTALT HEIL/AM SPRUNGBRETT BLANKENHEIM 4 ▲ FREILINGER SEE/BADESTRAND
BOCHOLT STADT
5 ▲ AA-SEE/BADESTELLE
6 ▲ TONWERKE/STEG **BRUEHL STADT** ▲ HEIDERBERGSEE/BADESTRAND DAHLEM 11 A KRONENBURGER SEE/BADESTRAND
DORMAGEN STADT
12 A NIEVENHEIMER SEE/NOERDL.BADESTRAND
DUEREN STADT 13 ⊕ A BADESEE ECHTZ/CAMPINGPLATZ
14 A GUERZENICHER SEE/BADESTRAND
DUESSELDORF STADT
15 ○ A UNTERBACHER SEE/NORD
16 ○ A UNTERBACHER SEE/SUED ▲ GROSSENBAUMER SEE/FREIZEITANLAGE ▲ KRUPPSEE/FREIBAD ▲ WOLFSEE/STRANDBAD 21 NATURFREIBAD KESSEL/BADESTRAND GRONAU (WESTF.) STADT
26 A DRILANDSEE/BADESTELLE WESTL.SEE ▲ SILBERSEEI/WACHSTATION DLRG HILLE ▲ BADESEE MINDENER WALD/SEEMITTE HOERSTEL STADT ⊕ ▲ TORFMOORSEE/AM STEG HOEXTER 34 ⊕ ▲ FREIZEITANLAGE HOEXTER-GODELHEIM/BADESTELLE 35 ⊕ ▲ FREIZEITPARK AHLEMEYER/BADESTELLE HUECKELHOVEN STADT 36 ○ ▲ BADESEE KAPUSCH HUECKELHOVEN/AM STRAND HUECKESWAGEN STADT
37 ▲ BEVERTALSPERRE/ORTSTEIL WEFELSEN HUERTH STADT 38 ▲ BLEIBTREUSEE/BADESTRAND 39 ▲ OTTO-MAIGLER-SEE/BADESTRAND 40 ⊝ ▲ BARMENER SEE

KAARST STADT

41 ▲ KLEINER KAARSTER SEE/NOERDL.BADESTR.

KALKAR STADT JUELICH STADT WISSELER SEE/STRANDBAD KALLETAL 43 FREIZEITZENTRUM VARENHOLZ/SEEMITTE KERKEN 44 A EYLLER SEE/STRANDBAD
KERPEN STADT
45 A ZIESELSMAAR/BADESTRAND
KOELN STADT

46 ▲ ESCHER BADESEE/PLATTFORM
47 ▲ FUEHLINGER SEE/FREIBAD
48 ⊝ ▲ VINGSTER BAGGERSEE/BEGRENZUNGSPFOSTEN
KREFELD STADT

▲ ELFRATHER SEE/STEG

▲ FREIBAD HUELS/AM SEIL ▲ NEPTUN/TREPPE 51 ▲ WALDSEE/STEG LADBERGEN 53 ⊕ ▲ WALDSEE/SEEMITTE LIPPSTADT LIPPSTADT

54 A ALBERSEE/SUEDSTRAND

LUENEN STADT

55 A HORSTMARER SEE/MITTE BADEZONE

MARIENHEIDE 56 ▲ BRUCHERTALSPERRE/DLRG-BOOTSSTEG 57 ⊕ ▲ LINGESETALSPERRE/BOOTSSTEG 56 MEINERZHAGEN STADT

58 ○ ▲ LISTERTALSPERRE/CAMPING WINDEBRUCH

59 ○ ▲ LISTERTALSPERRE/DLRG

60 ○ ▲ LISTERTALSPERRE/RENGERBERG MESCHEDE STADT
61 A HENNETALSPERRE/BERGHAUSER BUCHT
MOEHNESEE 62 ▲ MOEHNESEE/STRANDBAD DELECKE
63 ▲ MOEHNESEE/STRANDBAD KOERBECKE NORD
64 ▲ MOEHNESEE/STRANDBAD KOERBECKE SUED
65 ⊕ ▲ MOEHNESEE/STRANDBAD WAMEL MOERS STADT 66 A BETTENKAMPER MEER/STRAND
NEUENKIRCHEN ▲ BAGGERSEE NEUENKIRCHEN/UNTERHALB DES KIOSKS NIDEGGEN STADT 68 A BADESTRAND ESCHAUEL/BADESTRAND OLPE STADT ▲ BIGGESEE/SONDERN-SURFCLUB ▲ BIGGESEE/SONDERNER KOPF 69 70 PETERSHAGEN STADT
71 A BADESEE LAHDE/BADEBEREICH
PLETTENBERG STADT 72 ○ ▲ OESTERTALSPERRE/DLRG 73 ○ ▲ OESTERTALSPERRE/PARKPLATZ PORTA WESTFALICA STADT 74 ▲ ERHOLUNGSANLAGE GROSSER WESERBOGEN/BADEBEREIC SASSENBERG STADT
77 A FELDMARKSEE/SEEUFER
SELM STADT TERNSCHER SEE/WALDFREIBAD SIMMERATH TO A EISERBACHSEE/FREIBAD SCHWIMMER

80 ⊕ A FREIBAD EINRUHR RURTALSP./SCHWIMMER

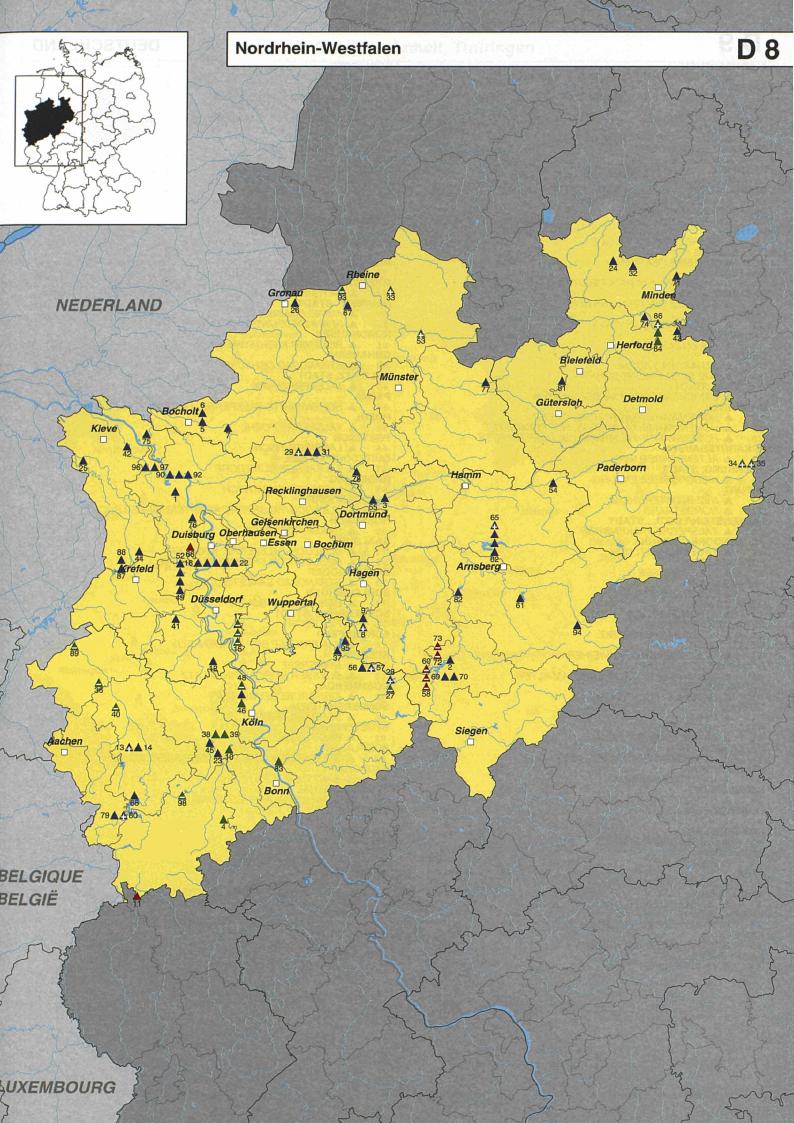
STEINHAGEN

81 ▲ WALDBAD STEINHAGEN SUNDERN (SAUERLAND) STADT

82 SORPETALSPERRE/STRANDBAD LANGSCHEID
TROISDORF STADT

83 ROTTER-SEE/TROISDORF VLOTHO STADT

84 ▲ BORLEFZENER SEE/DLRG-STRAND 85 ▲ BORLEFZENER SEE/KINDERSTRAND 86 ⊕ ▲ SONNENSEE/CAMPINGPLATZ WACHTENDONK 87 A NATURFREIBAD WACHTENDONK/BADESTRAND
88 WANKUMER HEIDESEE/BADESTRAND
WASSENBERG STADT 89 ○ ▲ BADESEE EFFELD/AM STRAND WESEL STADT ▲ AUESEE/RETTUNGSINSEL ▲ AUESEE/STEG ▲ AUESEE/TREIBSAND 90 91 WETTRINGEN 93 ○ ▲ NATURFREIBAD HADDORFER SEE/AM UFER
WINTERBERG STADT
94 ▲ HILLEBACHSEE/NIEDERSFELD
WIPPERFUERTH STADT ZUELPICH STADT 98 ○ ▲ WASSERSPORTSEE ZUELPICH/BADESTRAND



ALTENBEUTHEN 1 A HOHENWARTE-TALSPERRE, DROSCHKAU ARENDSEE ▲ ARENDSEE BST STRANDBAD BARLEBEN 3 ⊕ ▲ BARLEBER SEE
BAUTZEN, STADT
4 ⊕ ▲ TALSPERRE BAUTZEN
BERGA OT ALBERSDORF 5 A STAUSEE
BERGWITZ 9 A ALBRECHTSHAINER SEE
CALLENBERG
10 A STAUSEE OBERWALD
CATTERFELD 11 🏵 A CAMPINGPLATZ PAULFELDTEICH CHEMNITZ, STADT
12 🕒 A STAUSEE OBERRABENSTEIN 13 A FLAEMINGBAD COSWIG DANNIGKOW 14 A PLATTENSEE DESSAU DESSAU

15 ▲ STRANDBAD ADRIA

16 ▲ WALDBAD FREUNDSCHAFT

DRESDEN, STADT

17 ④ ▲ SPEICHERBECKEN NIEDERWARTHA DROGNITZ ▲ HOHENWARTE-TALSPERRE, GREEZ
 ▲ HOHENWARTE-TALSPERRE, HOPFENMUEHLE
 ▲ HOHENWARTE-TALSPERRE, SCHAEFERWIESE **ECKARDTSHAUSEN** 21 ALTENBERGER SEE
EILENBURG, STADT
22 A KIESGRUBE EILENBURG ERFURT A NEZ STOTTERNHEIM

A NORDSTRAND

FALKENSTEIN/VOGTL., STADT

A TALSPERRE FALKENSTEIN

FOCKENDORF OT PAHNA

A TAGEBAURESTLOCH

FOERDERSTEDT 27 ⊝ ▲ ALBERTINESEE FRANKENHAIN 28 A LUETSCHE-STAUSEE
GERA OT AGA
29 A STRANDBAD AGA **GERA OT KAIMBERG** GEYER, STADT

31 ⊕ ▲ CAPTURBAD KAIMBERG

GEYER, STADT

31 ⊕ ▲ GREIFENBACH-STAUWEIHER

GOSSWITZ OT SAALTHAL

32 ▲ HOHENWARTE-TALSPERRE, AM ALTER

GROSS DUEBEN ▲ BADESEE HALBENDORF **GUTTAU** 34 ▲ OLBASEE HALLE ANGERSDORF 35 ⊝ ▲ ANGERSDORFER TEICH HALLE NIETLEBEN ALLE NIELLEBEN 36 ○ ▲ HEIDEBAD/STRANDABSCHNITT I HELDRUNGEN 37 ▲ NATURSCHWIMMBAD HOHENFELDEN 38 ▲ STAUSEE HOHENFELDEN
HOHENMOELSEN
39 ▲ MONDSEE
HOYERSWERDA 40 ▲ ZIEGELTEICH BADESEE
IMMELBORN **▲** KIESGRUBE JENA 42 ⊕ ▲ SCHLEICHERSEE JERSLEBEN

43 ⊕ ▲ JERSLEBER SEE

KAMENZ, STADT

44 ⊝ ▲ WALDSEE DEUTSCHBASELITZ

KAMERN

15 ⊝ ▲ KAMERN-SEE BST KAMERN

▲ KNAPPENSEE

KNAPPENSEE

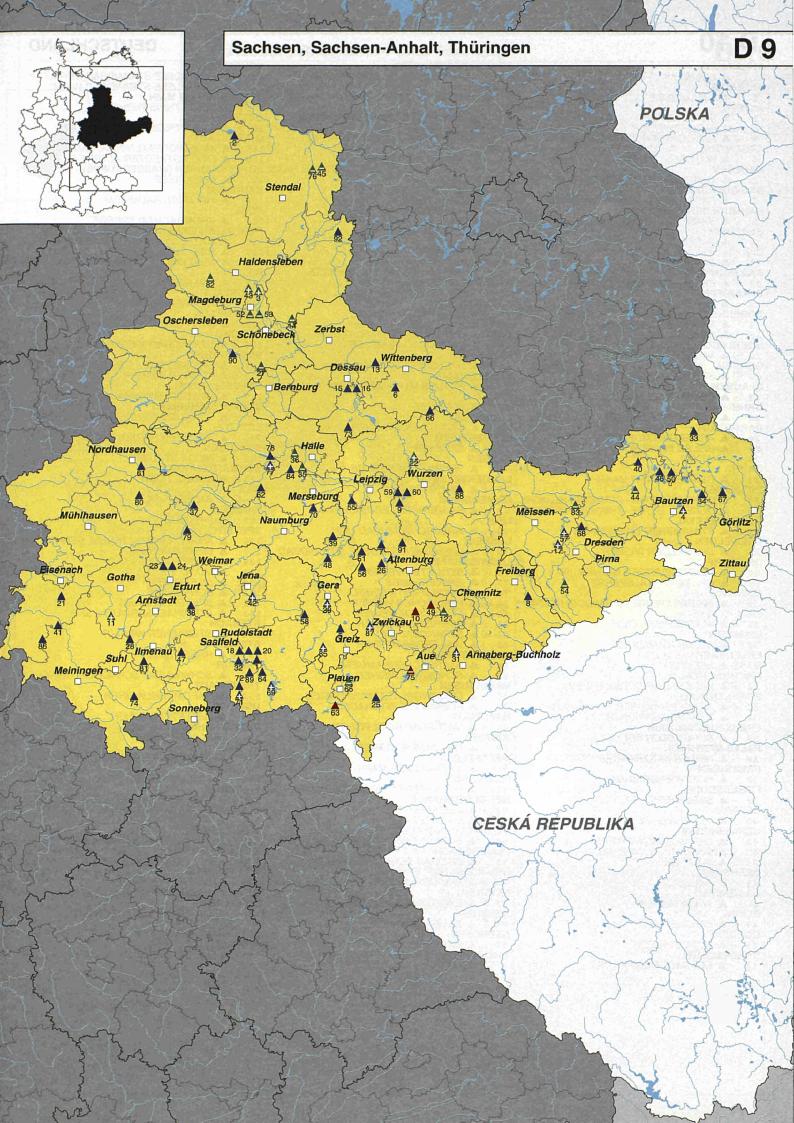
KOENIGSEE 47 A WALDBAD KRETZSCHAU 48 A STRANDBAD KRETZSCHAU
LIMBACH-OBERFROHNA, STADT
49 A GROSSER TEICH LIMBACH LOHSA 50 A SILBERSEE
LUCKA OT PROESSDORF
51 A PROESSDORFER SEE
MAGDEBURG 52 ⊝ ▲ NEUSTAEDTER SEE 53 ⊝ ▲ SALBKER SEE I MALTER MALIEH

54 ○ ▲ TALSPERRE MALTER

MARKRANSTAEDT, STADT

55 ▲ KULKWITZER SEE

MEUSELWITZ 56 A HAINBERGSEE MORITZBURG 57 ⊕ ▲ DIPPELSDORFER TEICH MUENCHENBERNSDORF 62 A STRANDBAD OBHAUSEN
OELSNITZ, STADT
63 A TALSPERRE PIRK PASKA ▲ HOHENWARTE-TALSPERRE, LINKENMUEHLE POEHL 65 ⊝ ▲ TALSPERRE POEHL PRETZSCH PREIZSCH
66 ▲ LAUSIGER TEICH
QUITZDORF AM SEE
67 ▲ TALSPERRE QUITZDORF
RADEBURG 68 A NIEDERER WALDTEICH REMPTENDORF 69 ⊕ ▲ BLEILOCH-TALSPERRE,REMPTENDORFER BUCHT ROSSBACH ▲ HASSE-ROSSBACH SAALBURG 71 ⊕ ▲ BLEILOCH-TALSPERRE, KLOSTER
72 ▲ BLEILOCH-TALSPERRE, SAALBURG SANDERSDORF 75 © A FILZTEICH SCHOENFELD 76 ⊝ ▲ KAMERN-SEE BST SCHOENFELD SEEBURG SONDERSHAUSEN 80 A BEBRAER TEICHE
STUETZERBACH
81 A BADETEICH
SUEPLINGEN 82 ⊝ ▲ STEINBRUCH ALTE SCHMIEDE SUEPLINGEN TAUSCHA 83 © A BRETTMUEHLENTEICH TEUTSCHENTHAL 84 A STRANDBAD PAPPELGRUND
TRIEBES **▲ ZABAKUCKER SEE**



AHNATAL 1 A BUEHL
ALTENDIEZ 2 ▲ BAGGERSEE ALTRIP ▲ BLAUE ADRIA ▲ JAEGERWEIHER ④ ▲ NEUHOFENER ALTRHEIN ARGENTHAL ▲ WALDSEE AROLSEN 7 A TWISTETALSPERRE - STRANDBAD WETTERB.
BAD DUERCKHEIM 8 A BADEWEIHER "AUF DEM KNAUS"
BAUMHOLDER **⊕** ▲ STADTWEIHER BAUMHOLDER BENSHEIM 10 ⊕ ▲ BADESEE BIBLIS 11 A BADESEE
BICKENBACH 12 A ERLENSEE; STRAND BISCHOFFEN 13 A AARTALSPERRE
BOBENHEIM-ROXHEIM ▲ NACHTWEIDEWEIHER ▲ SILBERSEE 14 **BOEHL-IGGELHEIM** 16 ⊕ ▲ NIEDERWIESENWEIHER BORKEN 17 ⊕ ▲ STOCKELACHE CLAUSEN DAHN 19 ⊕ ▲ NEUDAHNER WEIHER DARMSTADT ▲ ARHEILGER MUEHLCHEN ▲ GRUBE PRINZ VON HESSEN ▲ WOOG DAUN 23 ⊝ ▲ GEMUENDENER MAAR DIEMELSEE ▲ DIEMELTALSPERRE - STRANDBAD HELMIGHS. ▲ DIEMELTALSPERRE - STRANDBAD HERINGHS. DIETZHOELZTAL 26 A STAUWEIHER EWERSBACH DREIFELDEN 27 A DREIFELDER WEIHER DRIEDORF 28 ▲ HEISTERBERGER WEIHER 29 ⊕ ▲ KROMBACHTALSPERRE EDERTAL ▲ EDERTALSPERRE - STRANDBAD REHBACH EICH
31 A ALTRHEINSEE EICH
ELMSTEIN
32 A HELMBACHWEIHER
ERLENBACH
33 SEEHOF
FISCHBACHTAL
34 A BADESEE NIEDERNHAUSEN 34 ⊕ ▲ BADESEE NIEDERNH,
FRANKENTHAL
35 ⊕ ▲ KRAEPPELWEIHER
36 ⊕ ▲ STRANDBADWEIHER
FRANKFURT AM MAIN
37 ▲ SCHWEDLER SEE
FREIENSTEINAU 38 A NIEDER-MOOSER-SEE FREILINGEN 39 ⊙ ▲ POSTWEIHER FRIELENDORF 40 ⊕ ▲ SILBERSEE GEDERN 41 ⊕ ▲ GEDERNER SEE GERMERSHEIM 42 A GERMERSHEIMER SEE
43 A SONDERNHEIMER SEE
44 O A SURFSEE
GERNSHEIM 45 A BADESEE
GILLENFELD 46 A PULVERMAAR GLEES 47 ⊕ ▲ LAACHER SEE
GODDERT
48 ⊕ ▲ KLINGELWIESE
GREIFENSTEIN

▲ ULMBACHTALSPERRE

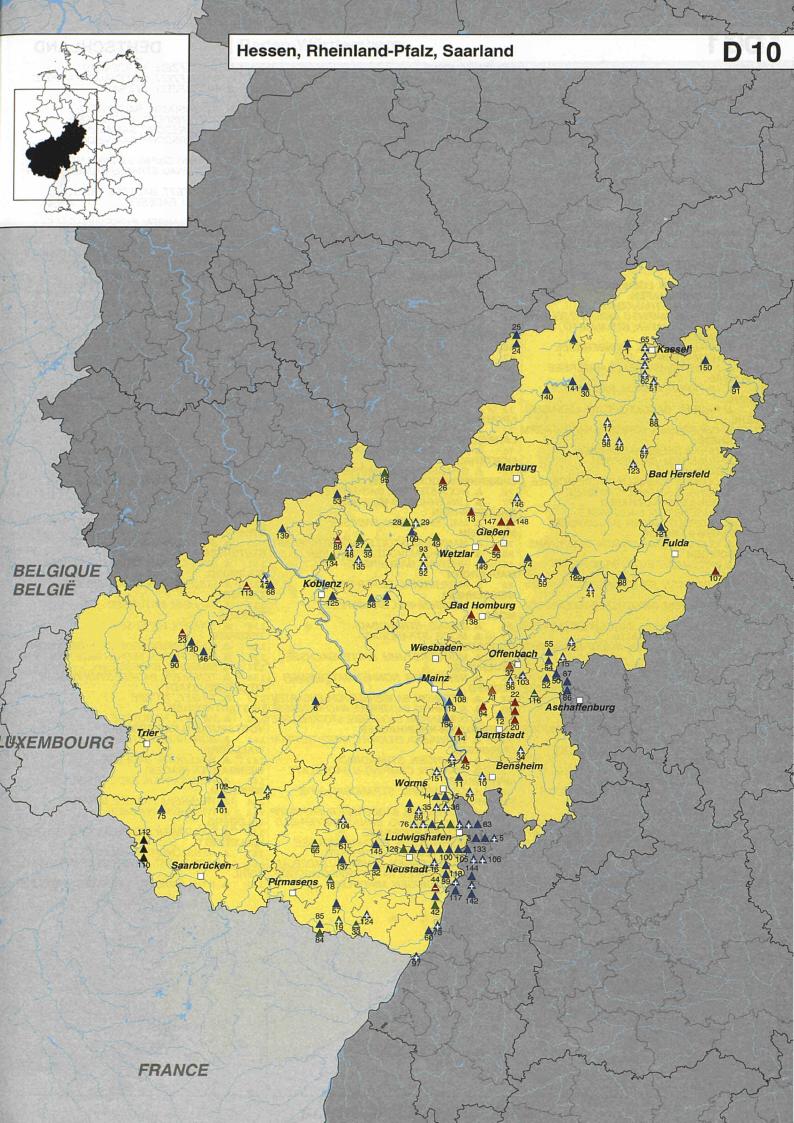
GROSSKROTZENBURG 50 ▲ STRANDBAD SPESSARTBLICK GUXHAGEN 51 ⊕ ▲ STELLBERGSEE HAINBURG 52 A BADESEE KLEIN-KROTZENBURG HAMM,SIEG ▲ FREIBAD THALHAUSERMUEHLE HANAU ▲ BAERENSEE ▲ BIRKENSEE; FREIZEITZENTRUM HAAS 54 55 HEUCHELHEIM 56 A HEUCHELHEIMER SEE II HINTERWEIDENTHAL 57 ▲ ROHRWOOG HOLZAPPEL 58 A HERTHASEE HUNGEN 59 ⊕ ▲ INHEIDENER SEE 60 A BAGGERSEE JOHANNISWIESE
KAISERSLAUTERN
61 A GELTERSWOOG
KASSEL 62 ⊕ ▲ FULDAAUE - BADESEE 63 ⊕ ▲ FULDAAUE - FKK-SEE 64 ⊕ ▲ FULDAAUE - SPIELPLATZ-SEE 65 ⊕ ▲ FULDAAUE - SURFSEE KINDSBACH 66 ⊝ ▲ BAERENLOCHWEIHER KNUELLWALD 67 ⊕ ▲ NATURBAD WALLENSTEIN KRUFT 68 ▲ WALDSEE
LAMBSHEIM
69 ⊕ ▲ NACHTWEIDEWEIHER
LAMPERTHEIM 70 ⊕ ▲ BADESEE LANGEN ▲ SEHRING-KIESGRUBE LANGENSELBOLD 72 ⊕ ▲ KINZIGSEE LEIMERSHEIM 73 ⊕ ▲ BAGGERSEE LEIMERSHEIM 74 ▲ LOSHEIM WALDSCHWIMMBAD LICH 80 82 LUDWIGSWINKEL ▲ SAARBACHERHAMMER ▲ SCHOENTALWEIHER MAINHAUSEN ▲ CAMPINGPLATZ MAINFLINGEN ▲ KOENIGSEE ZELLHAUSEN 86 MALSFELD 88 ⊕ ▲ NATURBAD BEISEFOERTH MAROTH 89 ○ ▲ MAROTHER WEIHER MEERFELD 90 ▲ MEERFELDER MAAR MEINHARD 91 A SEE IM FREIZEIT- UND ERHOLUNGSZENTRUM MENGERSKIRCHEN 92 ⊕ ▲ SEEWEIHER 93 ⊕ ▲ WALDSEE MOERFELDEN-WALLDORF
94 A BADESEE WALLDORF
MUDERSBACH ▲ FREIBAD SCHINDERWEIHER NEU-ISENBURG 96 ⊕ ▲ FKK-ORPLID E.V. NEUBURG 97 ⊕ ▲ BAGGERSEE NEUBURG NEUENTAL 98

A NEUENHAINER SEE
NEUHOFEN ▲ BADESEE SCHLICHT ▲ BADEWEIHER NEUHOFEN

DEUTSCHLAND NOHFELDEN 101 ▲ BOSTALSEE STRANDBAD-NORD 102 ▲ BOSTALSEE STRANDBAD-WEST OFFENBACH AM MAIN 103 ⊕ ▲ SCHULTHEIS WEIHER OTTERBERG 104 ⊕ ▲ NATURFREIBAD OTTERBERG OTTERSTADT 105 ⊕ ▲ ANGELHOFER ALTRHEIN, CAMPINGPLATZ
106 ⊕ ▲ OTTERSTAEDTER ALTRHEIN
POPPENHAUSEN (WASSERKUPPE)
107 ▲ GUCKAISEE
RAUNHEIM 108 A WALDSEE RAUNHEIM
REHE 109 ▲ KROMBACHTALSPERRE
REHLINGEN-SIERSBURG
110 ▲ NIED EIMERSDORF-CAMPINGPLATZ
111 ▲ NIED SIERSBURG-CAMPINGPLATZ
112 ▲ NIED WACKENMÜHLE RIEDEN 113 ○ ▲ WALDSEE
RIEDSTADT
114 ▲ RIEDSEE, LEEHEIM
RODENBACH 115 ⊕ ▲ STRANDBAD RODENBACH RODGAU 116 ○ ▲ STRANDBAD NIEDER-RODEN ROEMERBERG 117 ▲ GROSSER WEIHER
118 ⊕ ▲ KLEINER WEIHER
RUESSELSHEIM
119 ▲ WALDSCHWIMMBAD
SCHALKENMEHREN 120 A SCHALKENMEHRENER MAAR SCHLITZ 121 A GROSSER PFORDTER SEE SCHOTTEN 122 A NIDDA-STAUSEE SCHWARZENBORN 123 ⊕ ▲ KNUELLTEICH SILZ 124 ⊕ ▲ BADESEE SILZ SIMMERN 125 A FREIBAD SPEYER 126 ANGELHOFER ALTRHEIN, REFFENTHAL **▲ BIERSIEDERSEE** 127 BINSFELDSEE 128 MONDSEE 129 ▲ SILBERSEE ▲ SONNENSEE 130 \blacktriangle 131 **▲** SPEYERLACHSEE 132 STEINHAEUSERWUEHLSEE 134 A STEBACHER WEIHER STEINEN STEBACH 135 ⊕ ▲ HAUSWEIHER **TREBUR** TREBUR

36 SCHWIMMBAD SCHNEIDER; GEINSHEIM
TRIPPSTADT

137 SAEGMUEHLWEIHER
USINGEN 138 A HATTSTEINWEIHER VETTELSCHOSS A BLAUER SEE VOEHL **EDERTALSPERRE** 140 ▲ E WALDECK 141 A EDERTALSPERRE - STRANDBAD WALDECK WALDSEE 142 ▲ BADEWEIHER AN DER ALTRIPPER STRASSE 143 ⊕ ▲ SCHULGUTWEIHER 144 ▲ WOLFGANGSEE WEIDENTHAL 145 A WEIDENTHALER WEIHER WEIMAR 146 ⊕ ▲ FREIZEITANLAGE WEIMARER SEE WETZLAR 149 A DUTENHOFENER BADESEE WITZENHAUSEN 150 A GRUENER SEE - HUNDELSHAUSEN WORMS 151 ⊕ ▲ HERRNSHEIMER BADESEE



D 11 ACHERN ACHERN, ACHERNSEE ALLENSBACH ALLENSBACH, CAMPING-U.BADEPLATZ
 ALLENSBACH, STRANDBAD
 GMK REICHENAU, CAMPING -U. BADEPLATZ DGB ▲ GMK REICHENAU, CAMPING WILLAM

○ ▲ HEGNE, CAMPING -U. BADEPLATZ ALTENSTEIG ▲ SPIELBERG, BOEMBACHSEE ALTLUSSHEIM ▲ LUSSHEIM, BADESEE APPENWEIER ▲ URLOFFEN, MAX-JORDAN-SEE **AU AM RHEIN** 10 A AU AM RHEIN, BAGGERSEE BAD SCHOENBORN ▲ BAD LANGENBRUECKEN, BAGGERSEE PHILIPP **BADEN-BADEN** 12 A SANDWEIER, KUEHLSEE BAHLINGEN **▲ BAHLINGEN, LOEHLINSEE BODMAN-LUDWIGSHAFEN** ▲ BODMAN, STRANDBAD ▲ BODMANN, CAMPING U. BADEPLATZ SEE-ENDE 15 LUDWIGSHAFEN, STRANDBAD BRAEUNLINGEN 17 A BRAEUNLINGEN, KIRNBERGSEE BREISACH AM RHEIN ▲ NIEDERRIMSINGEN, BAGGERSEE BRUCHSAL 19 A UNTERGROMBACH, BAGGERSEE BRUEHL ▲ BRUEHL, BAGGERSEE KOLLERINSEL 21

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33

ALTGLASHUETTEN, WINDGFAELLWEIHER FORST ▲ FORST, HEIDESEE FREIBURG IM BREISGAU

36

37

38

40

FRIESENHEIM

GAIENHOFEN

FRIDINGEN AN DER DONAU

50 ⊕ ▲ GAILINGEN, STRANDBAD

63 64 65 MERLISGAU

A FREIBURG-WEST-KLARAFELD, FLUECKIGERSEE

A HOCHDORF, SILBERSEE

A HOCHDORF, TUNISEE

A LANDWASSER, MOOSWEIHER

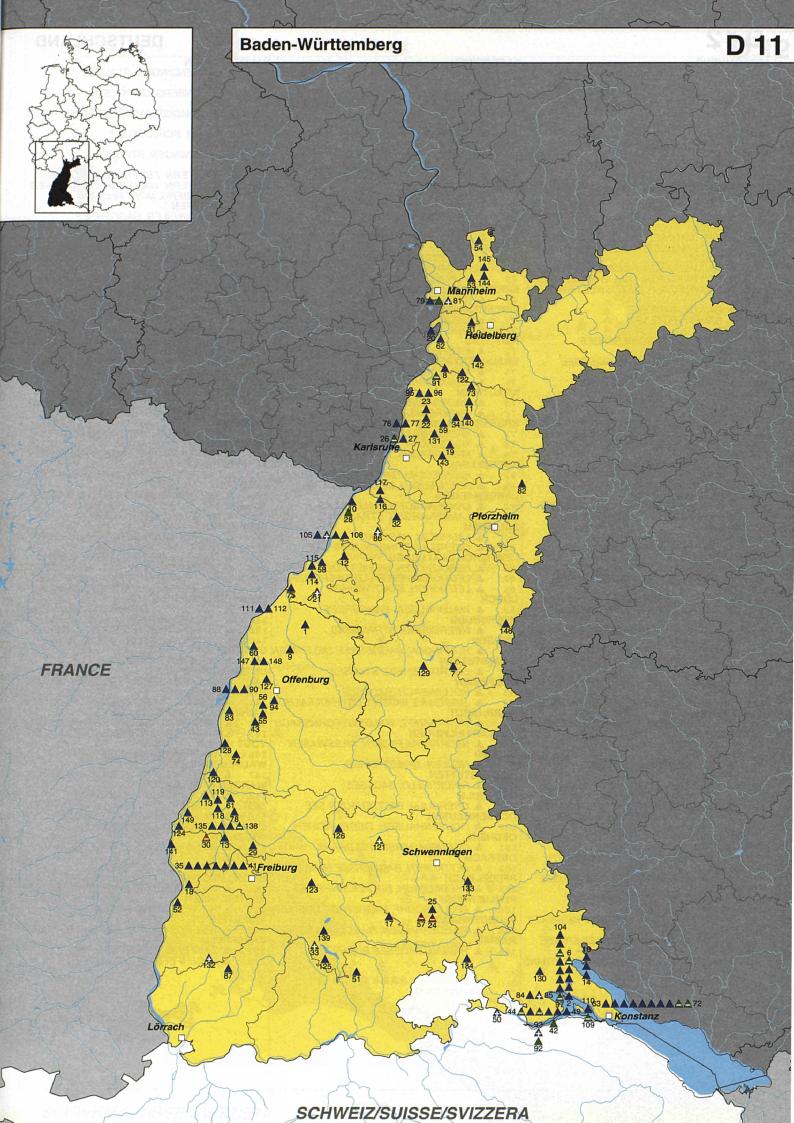
A OPFINGEN, BAGGERSEE OCHSENMOOS

A OPFINGEN, REGATTASEE

A WEINGARTEN, DIETENBACHSEE 88 89 FRIDINGEN, DONAU, JAEGERHAUS ▲ SCHUTTERN, BAGGERSEE GROSS

51 ▲ GRAFENHAUSEN, SCHLUECHTSEE ▲ HARTHEIM, BAGGERSEE HEDDESHEIM ▲ HEDDESHEIM, BAGGERSEE HEMSBACH ▲ HEMSBACH, WIESENSEE HOHBERG ▲ HOFWEIER, KOENIGSWALDSEE ▲ NIEDERSCHOPFHEIM, BAGGERSEE UHL HUEFINGEN 57 ⊝ ▲ HUEFINGEN, BAGGERSEE HUEGELSHEIM 58 ▲ HUEGELSHEIM, BAGGERSEE
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59 ▲ NEUTHARD, SIEBEN-ERLEN-SEE KEHL KORK, BAGGERSEE KIESWERK VOGEL 60 ▲ KO 61 A KENZINGEN, NACHTALLMENDSEE KETSCH 62 ▲ KE KONSTANZ KETSCH, HOCHWIESENSEE ▲ DETTINGEN, STRANDBAD WALLHAUSEN
 DINGELSDORF, FLIESSHORN CAMPING
 DINGELSDORF, KLAUSENHORN CAMPING
 EGG, WASSERSPORTGELAENDE UNI KONSTANZ KRONAU 73 A KRONAU, BAGGERSEE LAHR/SCHWARZWALD ▲ KIPPENHEIMWEILER, WALDMATTENSEE LICHTENAU TS A GRAUELSBAUM, BAGGERSEE
LINKENHEIM-HOCHSTETTEN
T6 A HOCHSTETTEN, BAGGERSEE
TT A LINKENHEIM, BAGGERSEE MALTERDINGEN ▲ MALTERDINGEN, BADESEE MANNHEIM ▲ MANNHEIM, STOLLENWOERTHWEIHER ▲ MANNHEIM, VOGELSTANG-SEE 81 ⊕ ▲ RHEINAU, BAGGERSEE MAULBRONN ▲ MAULBRONN, TIEFER SEE MEISSENHEIM ▲ MEISSENHEIM, BAGGERSEE MOOS 84 ▲ IZNANG, STRANDBAD 85 ⊕ ▲ MOOS, STRANDBAD MUGGENSTURM 86 ⊕ ▲ MUGGENSTURM, KALTENBACHSEE NEUENWEG ▲ NEUENWEG, NONNENMATTWEIHER **NEURIED** ▲ ALTENHEIM, BAGGERSEE FOHLENGARTEN ▲ ALTENHEIM, BAGGERSEE WACHOLDERSEE ▲ DUNDENHEIM, BAGGERSEE STOCKFELDSEE **OBERHAUSEN-RHEINHAUSEN** ○ ▲ OBERHAUSEN, ERLICHSEE, FREIZEITZENTRUM OEHNINGEN ▲ ÖHNINGEN, STRANDBAD ⊕ ▲ WANGEN, CAMPING-U.BADEPLATZ **OFFENBURG** ▲ OFFENBURG, STRANDBAD GIFIZ PHILIPPSBURG ▲ MOEGGINGEN, MINDELSEE 101

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136 ▲ KOENDRINGEN, KLEINER NIEDERWALDSEE
137 ▲ NIMBURG, BADESEE
138 ○ ▲ TENINGEN, BADESEE ROHRLACHE TITISEE-NEUSTADT 139 A TITISEE, TITISEE UBSTADT-WEIHER 140 A WEIHER, HARDTSEE VOGTSBURG IM KAISERSTUHL ▲ BURKHEIM, BAGGERSEE WALLDORF ▲ WALLDORF, BADESEE WEINGARTEN (BADEN) 143 A WEINGARTEN, BAGGERSEE WEINHEIM ▲ WEINHEIM, FKK-SEE,MIRAMAR ▲ WEINHEIM, WAIDSEE 144 WILDBERG ▲ GUELTLINGEN, BERGFELDINGER STAUWEIHER WILLSTAETT ▲ HESSELHURST, WALDSEE 147 148 WYHL ▲ LEGELSHURST, BAGGERSEE KIESWERK VOGEL ▲ WYHL, BAGGERSEE KIESWERK SCHWEIZER 149



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1 ABTSGMUEND, LAUBACHSEE ALFDORF

2 ⊕ ▲ ALFDORF, EISENBACHSEE 3 ▲ ALFDORF, HAGERWALDSEE ALTSHAUSEN

AMTZELL

5 ○ ▲ AMTZELL, BAGGERSEE GRENIS ARGENBUEHL 6 ▲ ARGENBUEHL, MOORBAD BURG AULENDORF

7 AULENDORF, STEEGERSEE
BAD SCHUSSENRIED

▲ BAD SCHUSSENRIED, OLZREUTHER SEE 8 ▲ BAD SCHUSSENRIED, ZELLER SEE **BAD WALDSEE**

10 ⊝ ▲ BAD WALDSEE, SCHLOSSSEE 11 ⊝ ▲ BAD WALDSEE, STADTSEE **BAD WURZACH**

12 ▲ BAD WURZACH, HOLZMUEHLEWEIHER 13 ⊝ ▲ BAD WURZACH, LANGWEIHER BAIERZ 14 ⊝ ▲ BAD WURZACH, METZISWEILERWEIHER BAINDT

▲ BAINDT, BADESEE
▲ BAINDT, EGELSEE 15

BALINGEN ▲ FROMMERN, SCHIEFERSEE

18 A UNTERBALZHEIM, BAGGERSEE BISSINGEN ▲ BISSINGEN, BISSINGER SEE

CRAILSHEIM 20 ⊝ ▲ JAGSTHEIM, DEGENBACHSTAUSEE CREGLINGEN

▲ CREGLINGEN, BADESEE SCHWARZENBRONN ▲ FINSTERLOHR, KAROTH-SEE ▲ MUENSTER, UNTERER BADESEE DIETENHEIM

24 A DIETENHEIM, BAGGERSEE EBENWEILER

FLLENBERG

28 ⊕ ▲ ELLENBERG, HAESLESEE 29 ▲ ELLENBERG, HASELBACHSEE

EPPINGEN

▲ ELSENZ, ELSENZSEE 32 ▲ EPPINGEN, MUEHLBACH SEE **ERBACH**

▲ DONAURIEDEN, BAGGERSEE 34 35 ▲ ERBACH, BADÉSEE 36 ERSINGÉN, GROSSER BAGGERSEE

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ERISKIRCH, STRANDBAD **ERTINGEN**

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FORCHTENBERG 41 ▲ MUTHOF, TIROLER SEE FREUDENBERG

▲ FREUDENBERG, BADESEE FRIEDRICHSHAFEN

▲ FISCHBACH, CAMPINGPLATZ ▲ FISCHBACH, STRANDBAD ▲ FRIEDRICHSHAFEN, FREIZEITG. MANZELL 43 44 45

▲ FRIEDRICHSHAFÉN, STRANDBAD 46

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48 ⊝ ▲ FRONREUTE, BIBERSEE 49 ▲ FRONREUTE, HAECKLERWEIHER GOEGGINGEN

50 ⊕ ▲ GOEGGINGEN, GOETZENBACHSEE GSCHWEND

51 A GSCHWEND, NATURBADESEE HAGNAU AM BODENSEE ▲ HAGNAU, STRAND-U.CAMPINGPLATZ HORGENZELL

53 ⊙ ▲ HORGENZELL, HASENWEILER-SEE HOSSKIRCH

▲ KOENIGSEGGSEE, HOSSKIRCHER STRAND

ILLERRIEDEN

55 A ILLERRIEDEN, BADESEE HEILIGAU ILLMENSEE

56 A ILLMENSEE, FREIBAD
57 A RUSCHWEILER, RUSCHWEILER SEE

IMMENSTAAD

▲ IMMENSTAAD, CAMPINGPLATZ HELMSDORF ▲ IMMENSTAAD, STRANDBAD INGELFINGEN

60 ⊝ ▲ DIEBACH, BADESEE 61 ⊝ ▲ HERMUTHAUSEN, BADESEE ▲ WELDINGSFELDÉN, BADESEE ISNY IM ALLGAEU

63 ⊝ ▲ BEUREN, BADESEE 64 ▲ ISNY, BAGGERSEE BURGWANG 65 ▲ ISNY, WALDFREIBAD JAGSTZFII

▲ JAGSTZELL, FISCHBACHSEE KAISERSBACH

67 ⊕ ▲ KAISERSBACH, EBNISEE
KIRCHBERG AN DER ILLER
68 ▲ SINNINGEN, BADESEE SINNINGEN

KIRCHENTELLINSFURT

69 ▲ KIRCHENTELLINSFURT, BAGGERSEE
KIRCHHEIM UNTER TECK
70 ⊕ ▲ KIRCHHEIM, BUERGERSEE/MITTELSEE
71 ▲ KIRCHHEIM, BUERGERSEE/UNTERSEE KISSLEGG

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▲ KRAUCHENWIES, BAGGERSEE LUTZ ▲ KRAUCHENWIES, FREIBAD BAGGERSEE 73 KRAUTHEIM

▲ OBERGINSBACH, BADESEE ▲ UNTERGINSBACH, BADESEE 75 KRESSBRONN AM BODENSEE

▲ KRESSBRONN, CAMPINGPLATZ GOHREN ▲ KRESSBRONN, CAMPINGPLATZ IRISWIESE ▲ KRESSBRONN, STRANDBAD 78

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LANGENARGEN ▲ LANGENARGEN, MALERECKE ▲ LANGENARGEN, STRANDBAD 82 LAUPHEIM

À LAUPHEIM, PARKBAD

⊕ À OBERSULMETINGEN, SURFSEE LEUTKIRCH IM ALLGAEU

86 ⊝ ▲ HERLAZHOFEN, WEIHER, MOORFREIBAD 87 ▲ LEUTKIRCH, ELLERAZHOFER WEIHER 88 ▲ LEUTKIRCH, STADTWEIHER

LORCH ▲ WALDHAUSEN, BAGGERSEE MEERSBURG

▲ MEERSBURG, STRANDBAD MENGEN

91 A RULFINGEN, BAGGERSEE ZIELFINGEN
MESSSTETTEN
92 A OBERDIGISHEIM, STAUSEE

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93 ⊝ ▲ HOLLENBACH, BADESEE

▲ JAGSTBERG, BADESEE UNTERER RAILHOF MURRHARDT 95 ⊝ ▲ MURRHARDT, WALDSEE FORNSBACH

NECKARTAILFINGEN ▲ NECKARTAILFINGEN, AILESWASEN

NEULER 97 A NEULER, GRIESWEIHER NIEDERSTETTEN

98 A RINDERFELD, BADESEE OBERSULM

▲ OBERSULM, BREITENAUER SEE OCHSENHAUSEN

▲ OCHSENHAUSEN, ZIEGELWEIHER OEDHEIM ▲ OEDHEIM, HIRSCHFELDPARK OSTRACH

102 ▲ JETTKOFEN, BAGGERSEE MUELLER PFEDELBACH
103 ♠ ▲ PFEDELBACH, BUCHHORNER SEE

PFULLENDORF ▲ PFULLENDORF, BAGGERSEE MUELLER

PLUEDERHAUSEN 105 A PLUEDERHAUSEN, PLUEDERHAUSERSEE RAINAU

106 ⊕ ▲ RAINAU, BADESEE BUCH

RANGENDINGEN

A RANGENDINGEN, STAUSEE ROSENBERG

108 A ROSENBERG, ORROTSEE ROTTENACKER

109

A ROTTENACKER, BAGGERSEE HEPPENACKER SALEM

110 ▲ SALE SATTELDORF ▲ SALEM, SCHLOSSSEE ▲ GROENINGEN, STAUSEE

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117 A SCHNUERPFLINGEN, BADESEE SCHOEMBERG

118

A SCHOEMBERG, STAUSEE

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SCHWAEBISCH GMUEND
120 A SCHWAEBISCH-GMUEND, BADESEE SCHIESSTAL

SCHWAEBISCH HALL ▲ BIBERSFELD, STARKHOLZBACHER SEE

SCHWENDI

122 A SCHOENEBUERG, BAGGERSEE (FREIBAD)
SIGMARINGEN

123 A LAIZ, BAGGERSEE STEIDLE SIPPLINGEN

124 A SIPPLINGEN, BADESTRAND SUESSENMUEHLE 125 A SIPPLINGEN, STRANDBAD

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126 \odot \blacktriangle SPRAITBACH, REICHENBACHSEE STIMPFACH ▲ WEIPERTSHOFEN, REIGLERSBACHSEE 127

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TETTNANG ▲ TETTNANG, DEGERSEE GAMS/MAIER 129 **TUEBINGEN**

130 A HIRSCHAU, BAGGERSEE UEBERLINGEN

131 132

RLINGEN

A NUSSDORF, BADEPLATZ NUSSDORF

NUSSDORF, STRANDBAD

UEBERLINGEN-OST, STRANDBAD OST

UEBERLINGEN-WEST, CAMPINGPLATZ WEST

UEBERLINGEN-WEST, STRANDBAD WEST

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138 ▲ UNTERUHLDINGEN, BADESTRAND SCHILFHUETTE 139 UNTERUHLDINGEN, STRANDBAD

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142 A UNTERSCHNEIDHEIM, FREIZEITSEE WESTERE UTTENWEILER

▲ UTTENWEILER, FREIBAD

143 ▲ UTTENWEILER, FREIBAD

VAIHINGEN AN DER ENZ

144 ▲ HORRHEIM, OBERER SEEWALDSEE

145 ○ ▲ HORRHEIM, UNTERER SEEWALDSEE

VOGT

146 ○ ▲ VOGT, HOLZMUEHLEWEIHER

WALDENBURG

147 ▲ WALDENBURG, NEUMUEHLS
WANGEN IM ALLGAEU

148 ○ ▲ NEURAVENSBURG, WEIHER

149 ○ ▲ WANGEN, BLAUSEE **▲ WALDENBURG, NEUMUEHLSEE**

150 ⊕ ▲ WANGEN, GROSSWEIHER-ROEHRENMOOS 151 ⊕ ▲ WANGEN, KARSEE-WEIHER

WELZHEIM 152 ⊕ ▲ WELZHEIM, AICHSTRUTERSEE

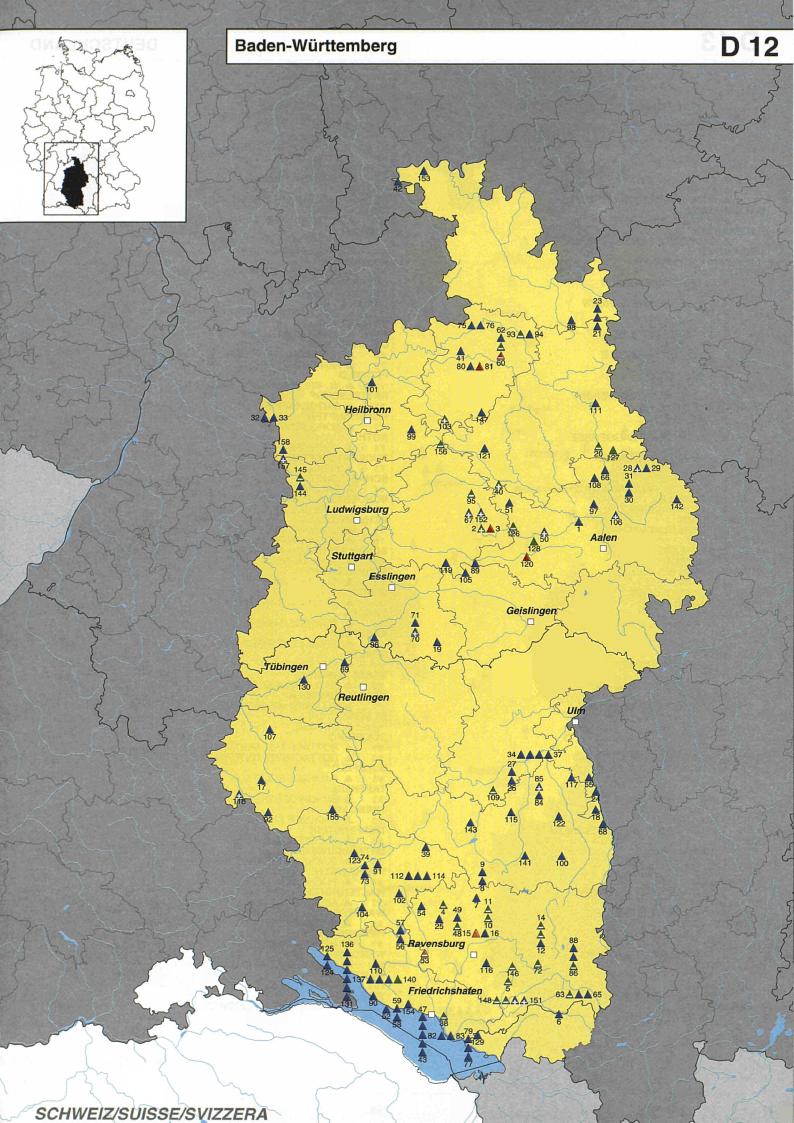
WERTHEIM 153 A MONDFELD, BADESEE WILHELMSDORF

154 A WILHELMSDORF, LENGENWEILER-SEE WINTERLINGEN

155 A WINTERLINGEN, NATURSEE WUESTENROT

156 ⊝ ▲ WUESTENROT, FINSTERROTER SEE ZABERFELD

157 ⊕ ▲ ZABERFELD, EHMETSKLINGE 158 ▲ ZABERFELD, KATZENBACHSEE



D 13

ABSBERG 1 ⊝ ▲ KL. BROMBACHSEE 2 ⊝ ▲ KL. BROMBACHSEE AINDLING 6 ▲ MEERHOFSEE
AUGSBURG
7 ⊕ ▲ AUTOBAHNSEE
8 ▲ KUHSEE ▲ NATURFREIBAD HAUNSTETTEN **BABENHAUSEN** 10 ⊕ ▲ ROTHDACHWEIHER BALZHAUSEN 11 A BADEGEBIET KREISSTRASSE BECHHOFEN 12 A KRUMMWEIHER BREITENTHAL 13 A OBERRIEDER WEIHER
DONAUWOERTH 14 ▲ BAGGERSEE RIEDLINGEN EBENSFELD 15 ⊝ ▲ ALTMAINSEE 16 ⊝ ▲ EBENSFELDER SEE 17 A SCHUETZENHEIM-SEE ERLABRUNN **ELCHINGEN** 18 A KLEINER SEE ERLANGEN 19 ⊙ ▲ DECHSENDORFER WEIHER FLACHSLANDEN 20 ▲ SONNENSEE FRIEDBERG 21 A FRIEDBERGER BAGGERSEE FUESSEN 26 A NATUR-BADESEE GROENENBACH 27 A FREIBAD CLEVERS GUENZBURG 28 A ERDBEERSEE
29 A MOOSWALDSEEN
GUNDELFINGEN A.D.DON.
30 A GARTNERSEE
31 A WUENSCHSEEN GUNZENHAUSEN
32 ALTMUEHLSEE
33 ALTMUEHLSEE **HAPPURG** 34 ▲ BAGGERSEE HEIDENHEIM 35 ⊕ ▲ HAHNENKAMMSEE HIRSCHAID 36 A BAGGERSEE HIRSCHAID HOECHHEIM ▲ BADESEE IRMELSHAUSEN HOF KARLSTEIN A. MAIN

44 ⊝ ▲ SEEFREIBAD GROSSWELZHEIM
KISSING 45 A WEITMANNSEE KOEDITZ 46 A AUENSEE JODITZ
KUEHBACH
47 A BAGGERSEE SCHILLINGER
KULMBACH

48 ⊕ MAINAUE-OBERAUHOF LAUINGEN (DONAU) 49 ▲ AUWALD-SEE LEHRBERG

52 A FRANKENWALDSEE LICHTENFELS

▲ ORTSWIESENSEE

51 A BIRKENSEE LICHTENBERG

50 A BADEWEIHER LEHRBERG LEINBURG

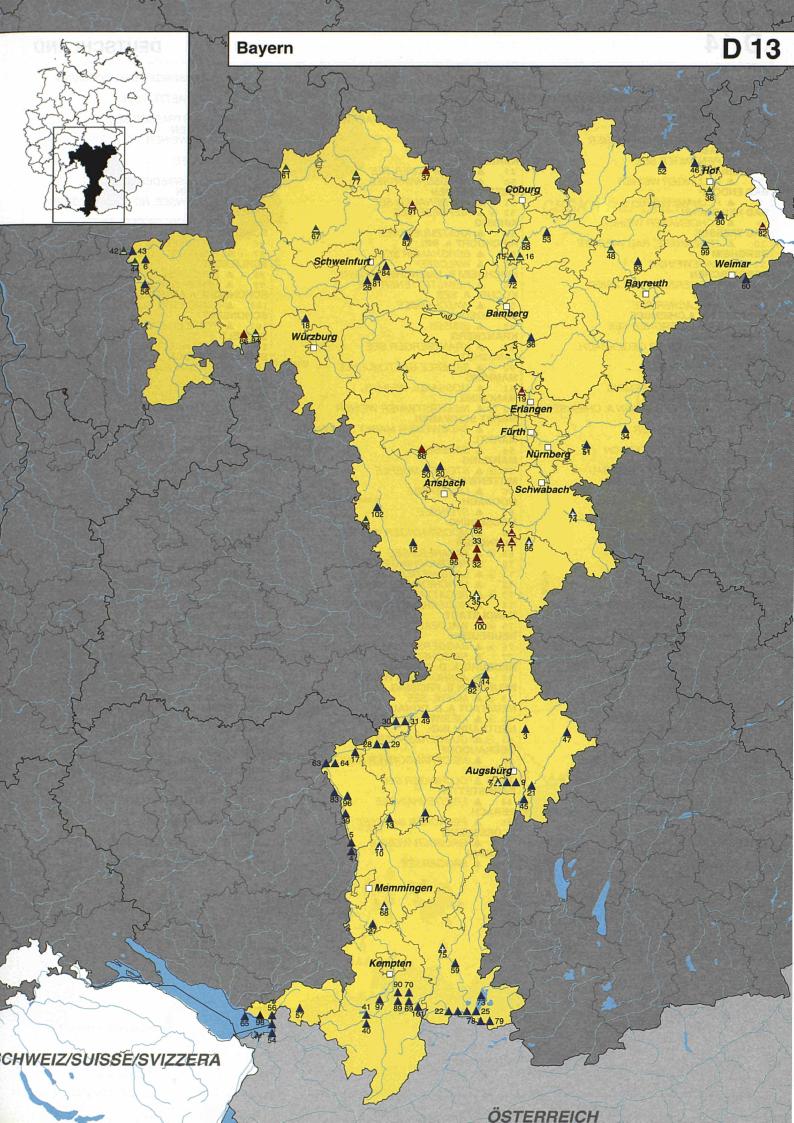
LINDAU (BODENSEE)

54 ▲ BODENSEE, EICHWALD

55 ▲ BODENSEE, LINDENHOF

56 ▲ BODENSEE, ZECH LINDENBERG I.ALLGAEU ▲ WALDSEE MAINASCHAFF
58 A MAINPARKSEE
MARKTOBERDORF 59 A ETTWIESER WEIHER
MARKTREDWITZ 60 A NATURFREIBAD MOTTEN MUHR A. SEE

62 ALTMUEHLSEE, MUHR A. SEE
NEU-ULM 63 ▲ LUDWIGSFELDER BADESEE 64 ▲ PFUHLER BADESEE 65 A BODENSEE, STRANDBAD NONNENHORN OBERNZENN OBERTHULBA
67 ○ ▲ SKINAUTIKA FREIZEITANLAGE
OTTOBEUREN 68 ⊕ ▲ SCHACHENWEIHER OY-MITTELBERG
69 ▲ ROTTACHSEE, BISSEROY
70 ▲ ROTTACHSEE, PETERSTHAL 71 ⊙ ▲ KL. BROMBACHSEE, PFOFELD 72 ▲ BAGGERSEE EBING
ROSSHAUPTEN
73 ▲ FORGGENSEE
ROTH 74 ⊕ ▲ ROTHSEE
RUDERATSHOFEN
75 ⊕ ▲ ELBSEE
SCHNELLDORF 76 ⊝ ▲ ERLENSEE SCHOENAU A. D. BREND 77 ⊝ ▲ BADESEE BURGWALLBACH SCHWANGAU 78 A BANNWALDSEE
79 A SCHWANSEE
SCHWARZENBACH A.D.SA. 80 A SCHIEDATEICH SCHWEINFURT ▲ BAGGERSEE 81 SELB 82 ⊙ ▲ WALDBAD 'LANGER TEICH' SENDEN 83 A SENDENER WALDSEE SENNFELD 84 A SENNFELDER SEE SPALT 85 ⊕ ▲ IGELSBACHSEE STADT ARNSTEIN 86 A NATURBADESEEANLAGE
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TRIEFENSTEIN
94 ⊝ ▲ KLOSTERSEE
UNTERSCHWANINGEN 95 A DENNENLOHER SEE
VOEHRINGEN
96 A VOEHRINGER BADESEE WALTENHOFEN
97 A NIEDERSONTHOFNER SEE
WASSERBURG (BODENSEE)
98 A BODENSEE, STRANDBAD WASSERBURG
WEISSENSTADT
WEISSENSTADT WEISSENSTABITER SEE
WEMDING
100 ○ ▲ WALDSEE WEMDING
WERTACH 101 A GRUENTENSEE WOERNITZ ▲ BADEWEIHER WOERNITZ 102



AMERANG BABENSHAM 6 ⊕ A PENZINGER SEE
BAD AIBLING
7 ▲ WILLINGER WEIHER
BAD ENDORF 8 A PELHAMER SEE
BAD HEILBRUNN
9 A SCHOENAUER WEIHER **BAD WIESSEE** 10 A TEGERNSEE, BAD WIESSEE BERGHEIM 11 © A BADEWEIHER BERGKIRCHEN ▲ HACKERWEIHER ▲ WEIHER ▲ WEIHER BEI SEEBACH 20 **EBERSBERG** 24 ⊕ ▲ KLOSTERSEE ECHING 27 ▲ HARTSEE
EGING A. SEE
28 ▲ ROHRBACHSEE
ESCHENBACH I. D. OPF.
29 ○ ▲ NATURBAD RUSSWEIHER FELDAFING 30 A STARNBERGER SEE, FELDAFING
FELDKIRCHEN-WESTERHAM
31 A UNTERLAUSER SEE
FINNING **⊕** ▲ WINDACHSPEICHER GARCHING B. MUENCHEN

36 A GARCHINGER SEE

GEISENFELD 37 ⊕ ▲ KREISWEIHER GERMERING 38 ⊕ ▲ GERMERINGER SEE GLONN

39 A BAD WIESMUEHLE
40 A KASTENSEEONER SEE
GMUND A. TEGERNSEE
41 A TEGERNSEE, GMUND A. T.
GRASSAU
42 A PELENOES WEW.

▲ WEINZIERL-WEIHER

42 A REIFINGER WEIHER GROSSMEHRING

HAIMHAUSEN 44 A HEIGLWEIHER AMPERPETTENBACH HAUZENBERG 45 A FREUDENSEE HELDENSTEIN 46 ⊕ ▲ HELDENSTEINER BADEWEIHER INGOLSTADT ▲ AUWALDSEE ▲ BAGGERSEE KIEFERSFELDEN 51 ⊝ ▲ HOEDENAUER-SEE 52 ⊕ ▲ KIEFERER-SEE KINDING 53 ▲ KRATZMUEHLSEE
KIRCHDORF A. INN
54 ▲ BERGHAMER SEE
55 ▲ WALDSEE KIRCHHEIM B. MUENCHEN The state of the 58 A BIBISEE
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MARKT SCHWABEN
63 ▲ BADEWEIHER MARKT SCHWABEN MARKTL 64 ▲ BADESEE MARZLING 65

A STOIBER-MUEHLE
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67 A STEINSEE
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70 A FELDMOCHINGER SEE
71 ⊕ A LANGWIEDER SEE
72 A LERCHENAUER SEE 73 ⊕ ▲ REGATTASEE
74 ▲ RUDERREGATTASTRECKE
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88 A STARNBERGER SEE, POECKING PRUTTING POECKING 89 A HOFSTAETTER SEE RAUBLING 90 ○ ▲ HOCHSTRASSER-SEE
REICHERTSHOFEN
91 ○ ▲ HEIDEWEIHER
RIEDERING 92 A SIMSSEE 93 A ENGELSRIEDER SEE ROTTACH-EGERN 94 A TEGERNSEE, ROTTACH-EGGERN SAALDORF ▲ ABTSDORFER SEE SCHECHEN 96 ▲ ERLENSEE 97 ⊕ ▲ WALDSEE SCHLIERSEE 98 SCHLIERSEE
99 SPITZINGSEE
SCHONDORF A.AMMERSEE
100 AMMERSEE, SCHONDORF
SCHONSTETT 101 A KOEHLER BAD SEEFELD SEEFELD

102 A PILSENSEE

SEEON-SEEBRUCK

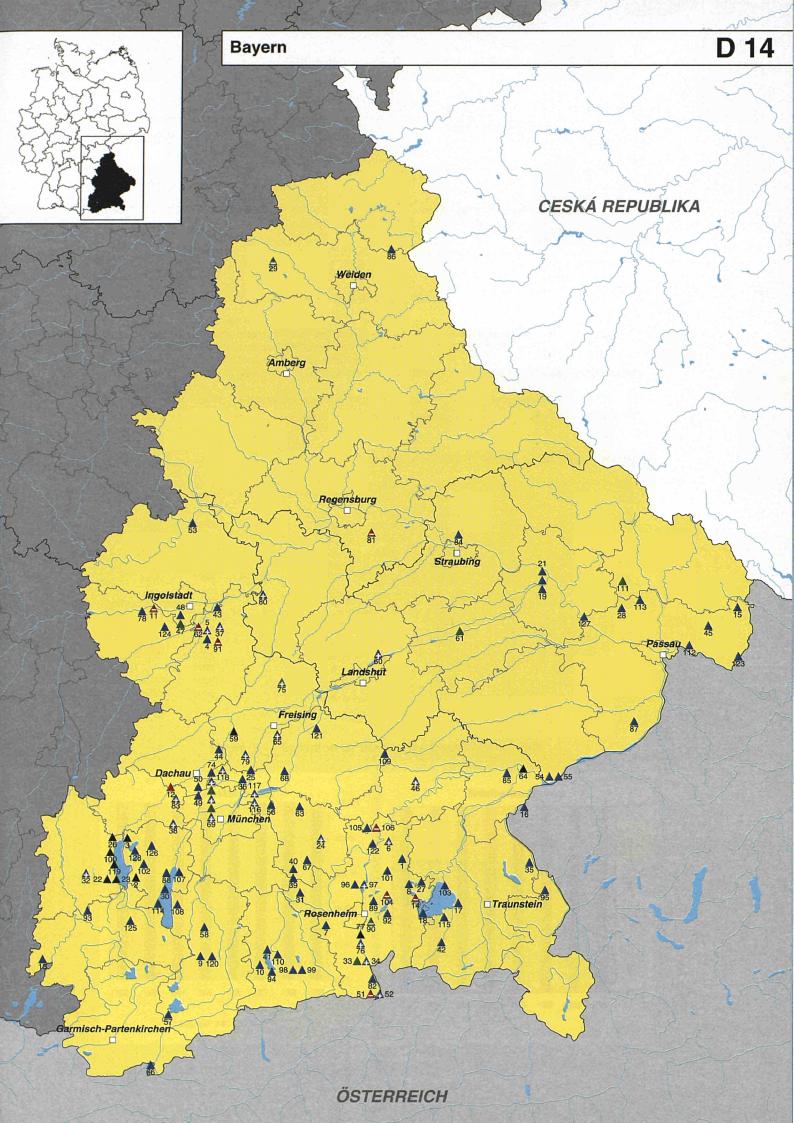
103 A CHIEMSEE, SEEBRUCK

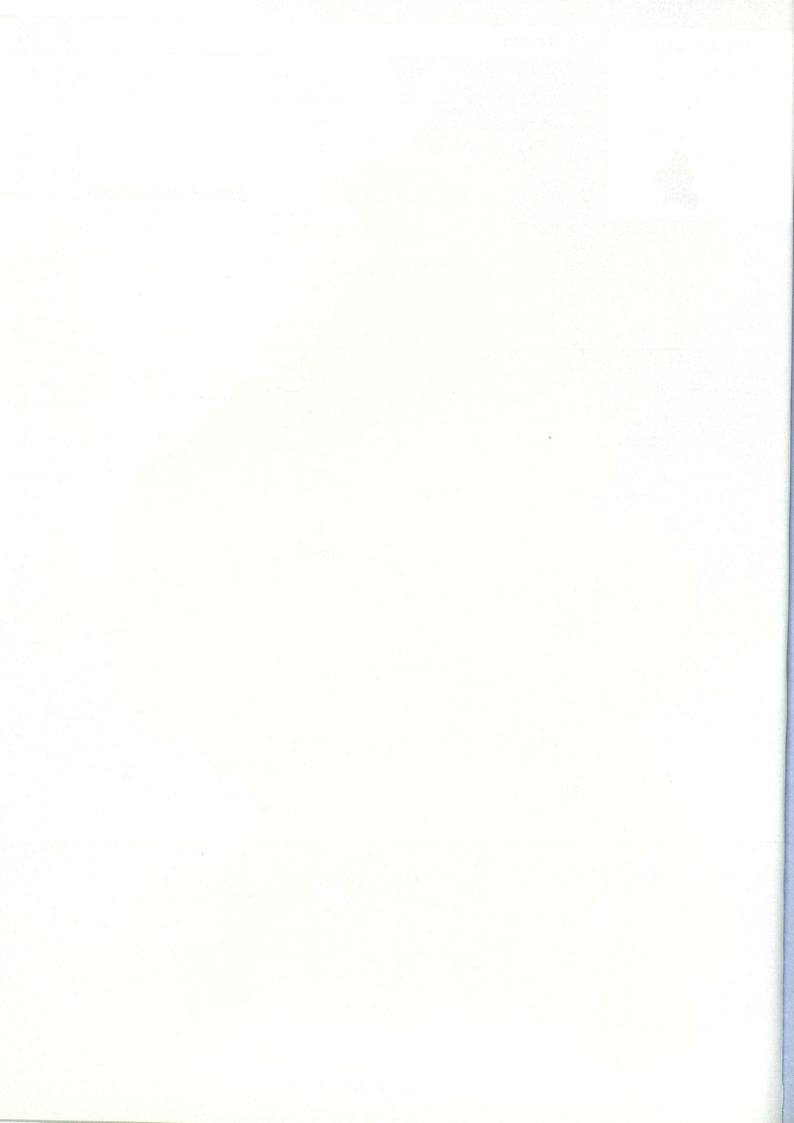
SOECHTENAU 104 ⊙ ▲ RINSSEE SOYEN 105 ▲ ALTENSEE 106 ⊝ ▲ SOYENSEE STARNBERG 107 ▲ STARNBERGER SEE, STARNBERG 110 A TEGERNSEE, TEGERNSEE
THURMANSBANG
111 A EBENREUTH SEE
THYRNAU 112 A NATURFREIBAD 113 A ROTHAUER SEE TUTZING 114 A STARNBERGER SEE, TO UEBERSEE
115 A CHIEMSEE, UEBERSEE UNTERFOEHRING STARNBERGER SEE, TUTZING WASSERBURG A. INN
122 A STAUDHAMER SEE
WEGSCHEID 123 A RANNASEE WEICHERING 124 A BADESEE NIEDERFORST WEILHEIM I. OB 125 A DIETELHOFER SEE WESSLING 126 A WESSLINGER SEE WINZER 127 A WEIHER IN SATTLING WOERTHSEE ▲ WOERTHSEE

85 A PERACHER BADESEE
PLOESSBERG

86 A GROSSER WEIHER
POCKING

▲ BAGGERSEE





Greece

1. 1999 bathing season

5 to 6 months depending on the geographical location, but in general from 15 May to 31 October

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas;

C (I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

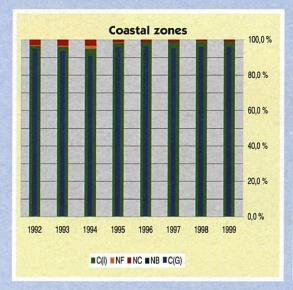
NF : percentage of bathing areas insufficiently sampled;
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data available);

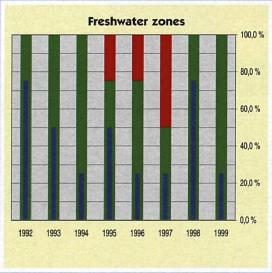
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils surface-active substances, and phenols.

Greece		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)	
Coastal zones	1992	1 203	96.3	94.5	0.7	3.1	0.0	
	1993	1 250	95.8	93.5	0.8	3.4	0.0	
	1994	1 281	94.7	90.9	1.8	3.5	0.0	
	1995	1 526	97.9	95.5	0.5	1.6	0.0	
	1996	1 690	98.6	95.8	0.2	1.2	0.0	
	1997	1 701	98.4	95.0	0.2	1.4	0.0	
	1998	1 733	98.7	96.1	0.3	1.0	0.0	
	1999	1 816	98.9	95.8	0.2	0.9	0.0	
Freshwater zones 1992		4	100.0	75.0	0.0	0.0	0.0	
	1993	4	100.0	50.0	0.0	0.0	0.0	
	1994	4	100.0	25.0	0.0	0.0	0.0	
	1995	4	75.0	50.0	0.0	25.0	0.0	
	1996	4	75.0	25.0	0.0	25.0	0.0	
	1997	4	50.0	25.0	0.0	50.0	0.0	
	1998	4	100.0	75.0	0.0	0.0	0.0	
	1999	4	100.0	25.0	0.0	0.0	0.0	

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 1 816; freshwater: 4)

Five coastal bathing areas were withdrawn and 88 new areas were taken into account for the 1999 bathing season. The number of freshwater bathing areas remained unchanged compared with previous bathing seasons, with just four taken into account.

4. Comments

In the coastal zones the results remained very good. The percentage of bathing areas complying with the mandatory values rose very slightly to 98.8 % and although the percentage complying with the stricter guide values fell slightly it was still over 95 %. The percentage of bathing areas failing to comply with the mandatory values remained on 1 %, while the percentage insufficiently sampled was down very slightly (0.2 %). There were no areas where bathing was prohibited.

With only four freshwater bathing areas taken into account, analysis is simple. All four (100 %) complied with the mandatory values and one (25 %) complied with the stricter guide values. Two bathing areas lost their previous season's status, which explains the fall from 75 to 25 % of bathing areas complying with the guide values during the 1999 bathing season.

In the case of the coastal zones, it is unacceptable that certain bathing areas were still insufficiently sampled, since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

Wastewater treatment

Large numbers of wastewater treatment stations are being built in Greece. Work has started on the second phase of construction of the Attiki wastewater treatment station covering the Athens conurbation.

There are plans to improve water quality in the Saronikos Gulf.

The biological wastewater treatment station for the Patraikos Gulf is under construction and should be operational in early 2000.

6. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	1 92 83 0	5	0	0	17	4	55	1 740	1 816
NEW	88	247.00	A TITLE OF THE	Appendix Act	PERMIT SELECTION	3		85	88
Ban	0	PAUAR				arrestant.			0
NS	0		CWAPER	iii karvar		W 6			0
NC	17		100		6		1	10	17
Freq	6	2			Magazia N	1		3	0
C (1)	44				5	EMEL WITH	17	22	44
C (G)	1 666	3			6		37	1 620	1 663
ot. 98	1 733	5	0	0	17	1	55	1 655	

Coastal zones (ratio = 0.7; stability = 95.1 %)

The ratio is 0.7, which reflects a deterioration in average bathing water quality compared with the 1998 bathing season. Fortunately, this ratio is coupled with an excellent stability index. This means that this deterioration in quality was confined to a limited number of bathing areas which, ultimately, narrowed the impact. Moreover, the low ratio can be put into context by the fact that 44 % of the changes were due to bathing areas which used to comply with the guide values complying only with the less strict mandatory values during the 1999 bathing season. Also, 85 new bathing areas complying with the guide values were taken into account.

As in other Member States, some bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that bathing areas which were insufficiently sampled during the 1998 bathing season were still insufficiently sampled during the 1999 season.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	ASSOCIATE A	0	0	0	0	0	3	1	4
NEW	0	55.61	101					P. San Physical Physical Physical	0
Ban	0								0
NS	0								0
NC	0				36 76				0
Freq	0	La del de							0
C (I)	1						1		1
C (G)	3					A CHARLES	2	1	3
Tot. 98	4	0	0	0	0	0	3	1	

Freshwater zones (ratio = 0.0; stability = 50 %)

Neither the ratio nor the stability index are of any real interest in view of the particularly small number of bathing areas involved.

Two of the bathing areas (50 %) which complied with the guide values during the 1998 bathing season complied with only the less strict mandatory values during the 1999 season.

```
    ARILLA - ENANTI HOTEL MARINA
    ARILLA - GRAVES
    CANAL D'AMOUR - ESTIATORIO MPERTOS

    PARALIA ABYTHOS - MESON AKTIS
    AI-CHELIS - MESON AKTIS
    AMMES - MESON AKTIS

ACHILLEION

    AGIOS GORDIOS - AGIOS GORDIOS HOTEL
    AGIOS GORDIOS - THE PINK PALACE HOTEL

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AGIOU GEORGIOU
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    AGIOS NIKITAS - ESTIATORIO GIANOULATOU
    AGIOS NIKITAS - PEFKOULIA, OIKIA VERYKIOU
    PEFKOULIA - MESON, BROSTA STOUS DYO VRACHOUS

           AGIOS GEORGIOS - HOTEL ALKYON
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DASIA - EDEM BAR
              SCHINOS - TRIPOLIAS,250M APO OIKISMO MYTIKA
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    AGIOS MATHAIOS - MESON AKTIS
    AGIOS IOANNIS - MESON AKTIS

AMFILOCHIAS

    AMFILOCHIA - ARISTERO AKRO AKTIS,KOULOURAKI
    AMFILOCHIA - ARISTERO AKRO AKTIS,PROVLITA
    AMFILOCHIA - EOT,DEXIO AKRO

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YPSOS - CORFU CAMPING IPSOS
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              PLAZ BAKAS - PAIDIKES KATASKINOSEIS
PLAZ BAKAS - TAVERNA SALMA
KATAFOURKO - ENANTI PSARADIKON KALYVON

    BARBATI - KENTRO O GIANNAKOS
    BARBATI - MESON AKTIS

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162 GGRIMPOVO - ENANTI HOTEL XENIA
163 PSANI - DIMOTIKI PLAZ
164 PSANI - ENANTI FLOISVOU
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            PLAZ SPARTOU - MESON AKTIS
                                                                                                AMOUDIA - MOLOS

    ALONAKI - ENANTI MONOPATIOY
    LOUTSA - MYLOS,FLEVA

AMVRAKIKOU

    KORONISIA - LIMANI KORONISIAS
    KORONISIA - PRIN TO LIMANI KORONISIAS
    LIMANI SALAORAS - DEXIA,20M PRIN TO FARO

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                                                                                 IERAS POLIS MESOLONGIOU
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    DIONI - ENANTI PSARADIKON, MESON NISIDAS
    LOUROS - 200M DEXIA PROVLITAS

    TOURLIDA - ARISTERA TOURISTIKOU PERIPTEROU

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              RAMMA SALAORAS-300M DEXIÁ TSIMENTENIAS GEFYR
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ANAKTORIOU
                                                                                 IGOUMENITSIS
                                                                                                                                                                  PALAIOKASTRITSAS

    PALAIOKASTRITSA - NAFTIKI VASI
    PALAIOKASTRITSA - XENIA HOTEL

17 ⊕ AKROTIPI GELADAS - MESON ORMOU
18 ⊝ PLAZ VONITSIS - ANATOLIKA PROVLITAS
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● PONTI - ESTIATORIO DOUKATO

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ITHAKI POLI,LOUTSA - MESON AKTIS

    ATHERAS - MESON AKTIS
    XI - HOTEL 'KEPHALONIA PALACE'
    MEGAS LAKOS - MESON AKTIS

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PLATYS GIALOS - MESON AKTIS
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LICHNOS - CAMPING LICHNOS
PARGA - KENTRO AKTIS
VALTOS - ESTIATORIO AKROGIALI
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    PLATARIA - CAMPING KALAMAKI
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69 ⊕ PERIGIALI - ARISTERO AKRO AKTIS

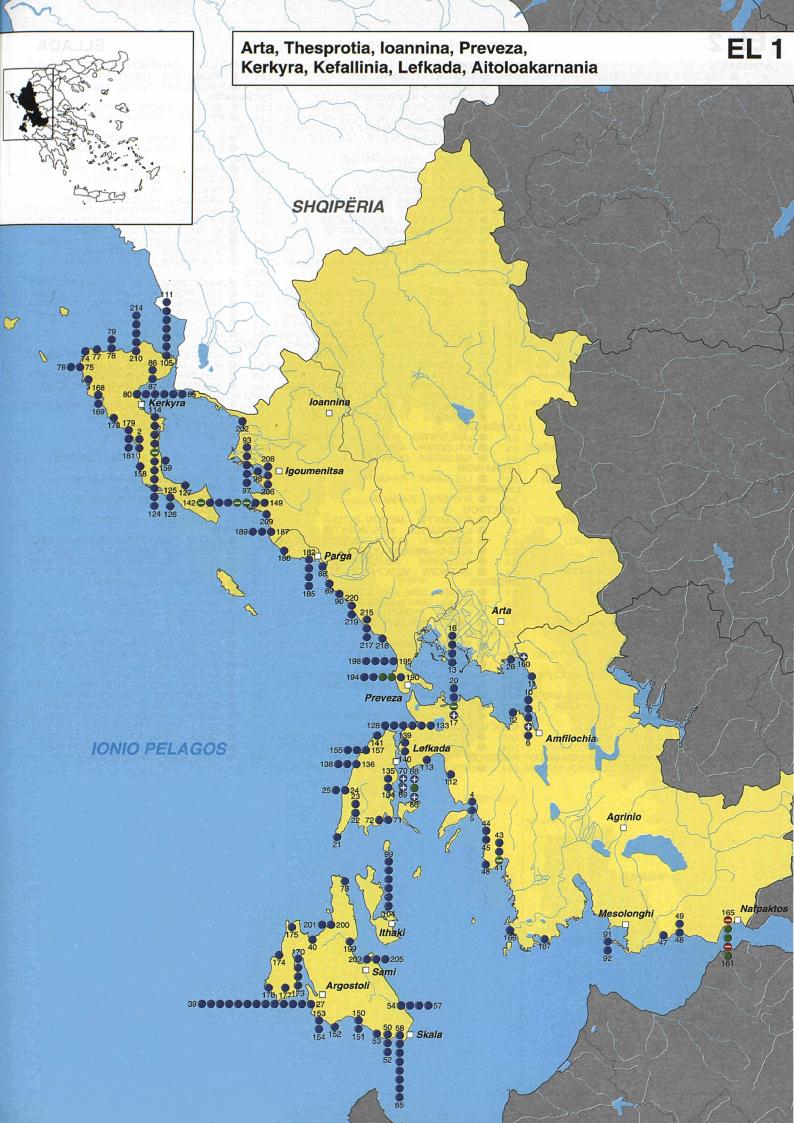
70 ⊕ RERIGIALI - DEXIO AKRO AKTIS
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KAVOS - BOREIA TAVERNAS
KAVOS - KOKKINIA, TAVERNA KRINOS
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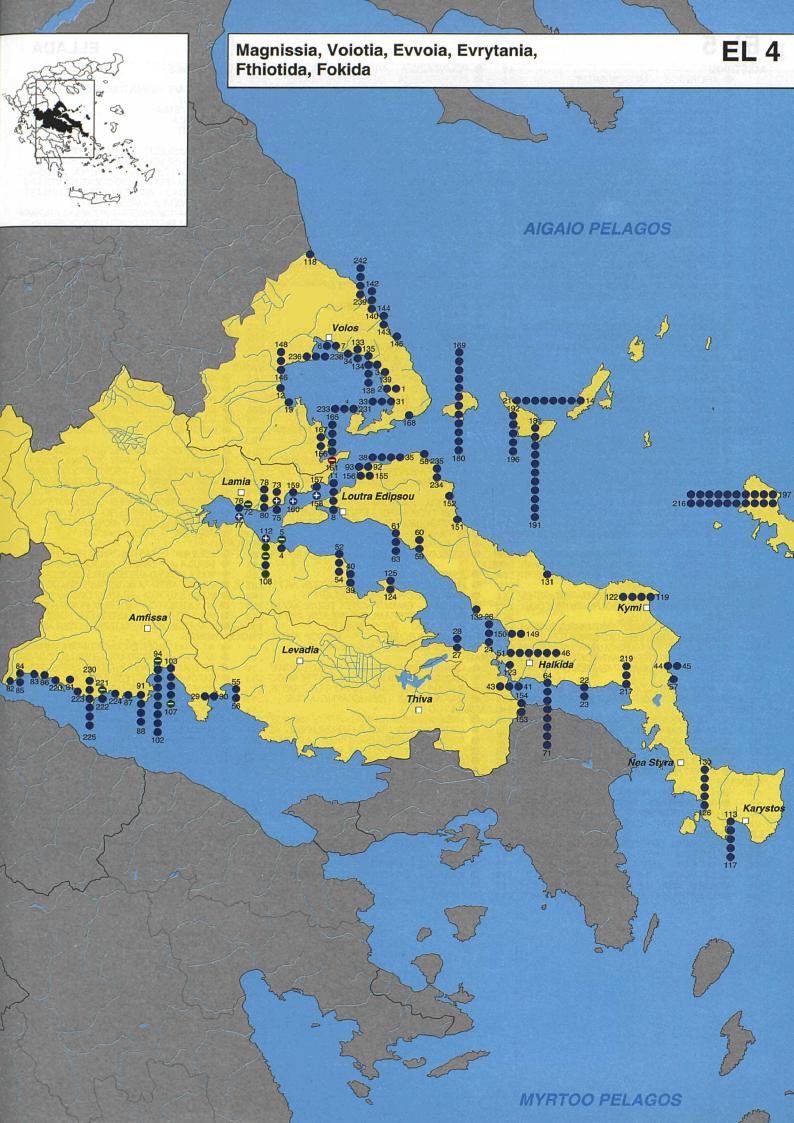
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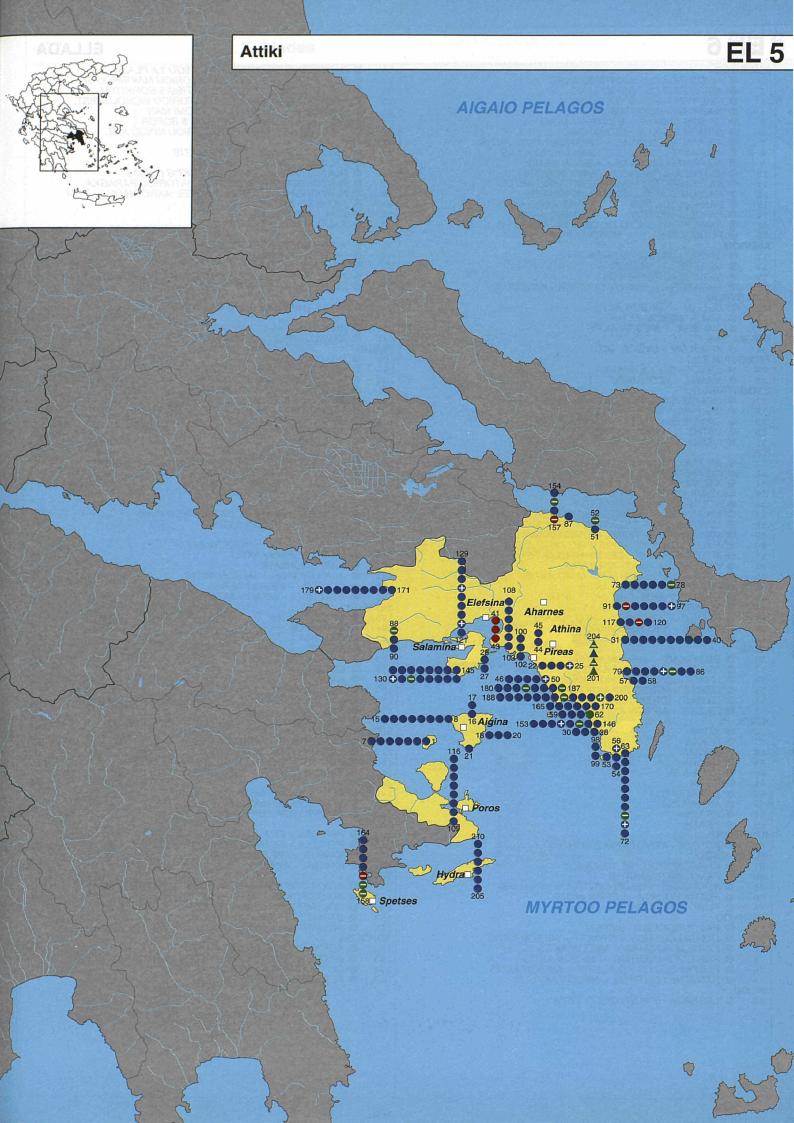
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5	ORMOS AIGIALIS - ARISTERO AKRO
6 7	ORMOS AIGIALIS - DEXIO AKRO AG.PANTELEIMONAS - ARISTERO AKRO AKTIS
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9	AG.PANTELEIMONAS - MESON AKTIS
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    AGIOS GEORGIOS - EINANT HOTEL NISANT-ASTERIA
    VINTZI - ENANTI DISCO 'ROCK'
    AGIA ANNA - ENANTI KAFE BAR 'TEO'
    AGIOS PROKOPIOS -ENANTI ESTIATORIOU BARMPOUNI
    MIKRI VIGLA - ENANTI HOTEL 'MIKRI VIGLA'

  96
  97
 OIAS

    RIVAS THIRASIAS - MESON AKTIS

 99
 PANORMOU

    AGIA THALASSA - MESON AKTIS
    KAVALOURKO - MESON AKTIS

 100

    PISO LIVADI
    POUNTA MARPISSAS
    PYRGAKI

 108
 109
110

PYRGAKI
TSERDAKIA - MESON AKTIS
KOLYMPITHRES - MESON AKTIS
KRIOS - MARTSELO
LIVADIA - CAMPING 'KOULA'
LIVADIA - HOTEL 'ARGO'

PARASPODOS
111
 112
114
115

    PARASPOROS
    PAROIKIA - EKKLISIA ZOODOCHOU PIGIS

116
 117

    POYNTA - MESON AKTIS

 POSEIDONIAS

    MEGAS GIALOS - MESON AKTIS
    VARI - MESON AKTIS
    VARI - ACHLADI
    AGKATHOPES - MESON AKTIS
    KOMITO - MESON AKTIS
    PSACHNO - MESON AKTIS

119
120
121
122
123
 SERIFOU
              AGIOS SOSTISAVESALOS
125
126
             AVESALOSGANEMAKARAVIKOUTALASLIVADAKIALIVADA
127
128
129
130
 131

    MEGA LIVADI
    PLATYS GIALOS
    PSILI AMMOS
133
134
135
                SYKAMIA
 SIFNOU
             CHRYSOPIGI - MESON AKTIS

KAMARES - MESON AKTIS

PLATYS GIALOS - ARISTERO AKRO AKTIS

PLATYS GIALOS - DEXIO AKRO AKTIS
136
137
 138
 SIKINOU
              ALOPRONOIA - MESIALOPRONOIA - MOLOSALOPRONOIA - SPILIES
140
 141
 THIRAS
              ● PERISSA - ENANTI CAMPING

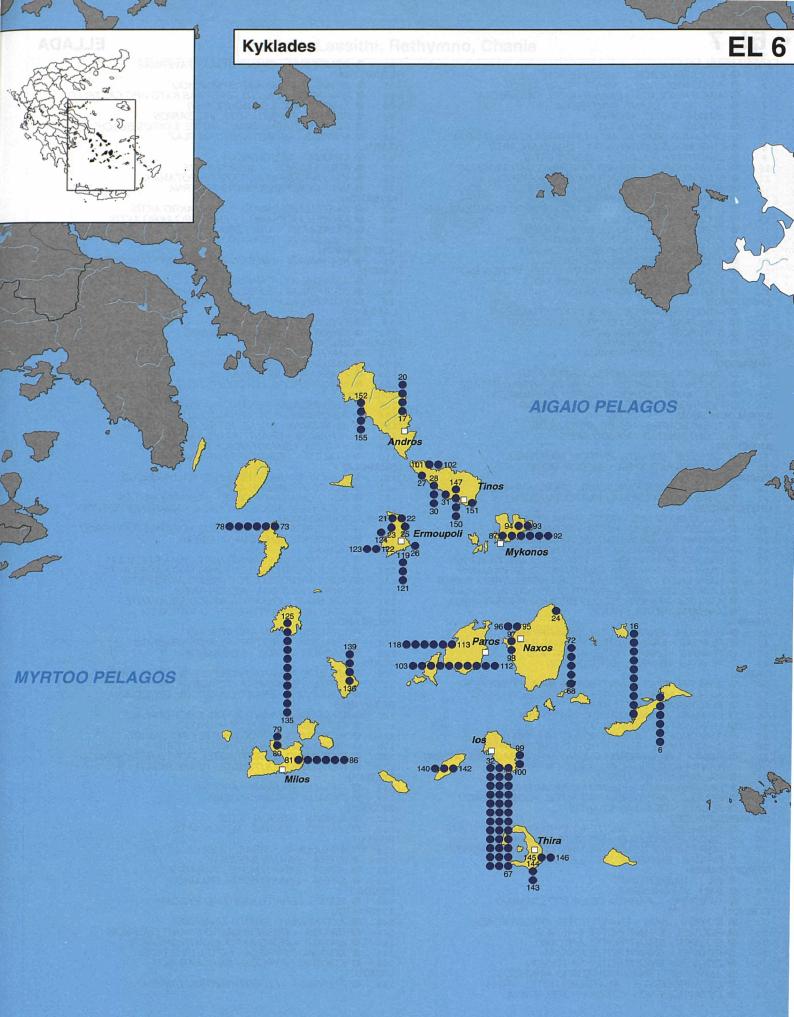
● PERISSA - ENANTI ESTIATORIOU 'POPAY'

● KAMARI - MESON AKTIS

● KAMARI - ARAPIS
143
144
 145
 TINOU

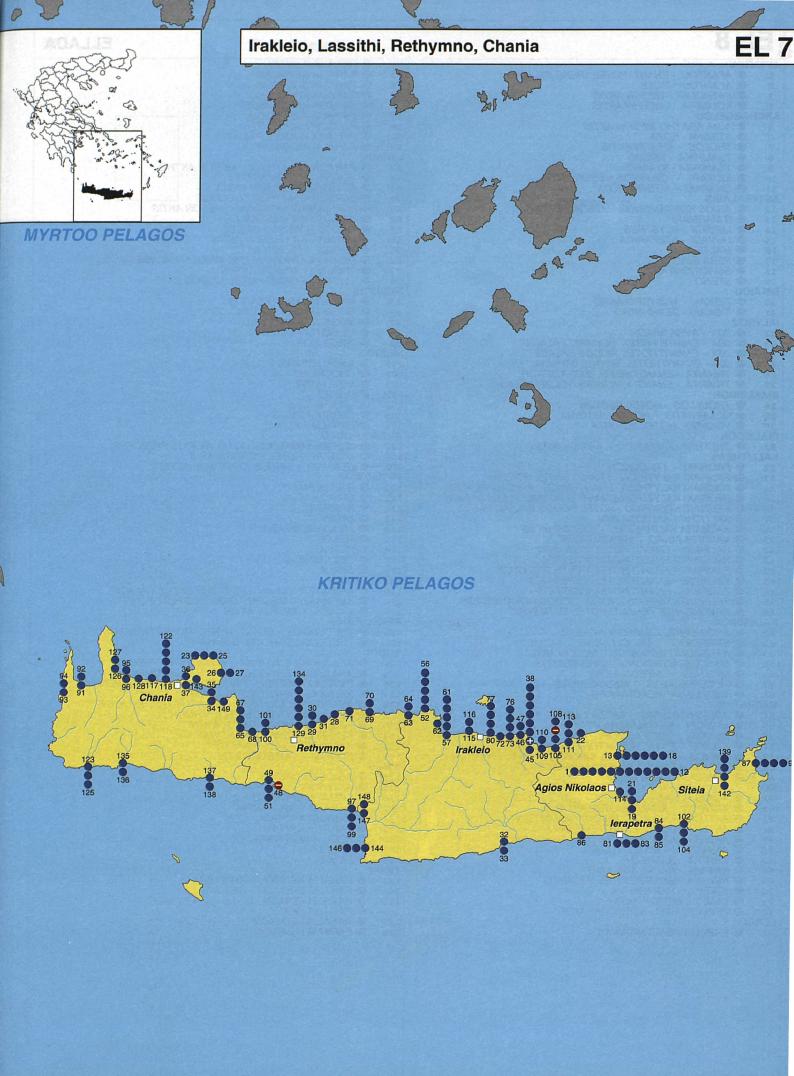
    AGIOA SOSTIS - MESON AKTIS
    AGIOS FOKAS - MESON AKTIS
    KOLYMPITHRA - MESON AKTIS
    STAVROS - MESON AKTIS
    AG.GIANNIS - MESON AKTIS

 147
 148
150
 YDROUSA
              ● AGIOS PETROS - MESON AKTIS
● BATSI - ENANTI HOTEL 'CHRYSI AKTI'
● CHRYSI AMMOS - MESON AKTIS
● FELLOS - MESON AKTIS
 152
153
 154
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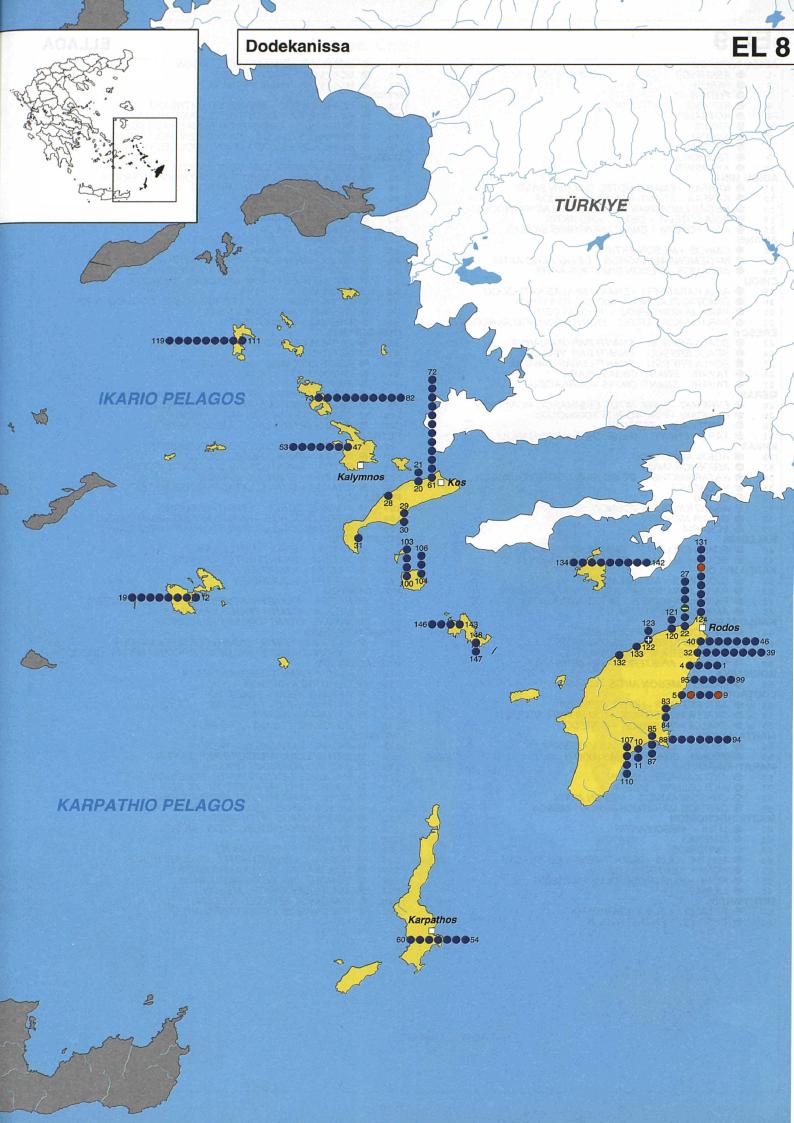
EL 7

1	AGIOS NIKOLAOS - 'MINOS BEACH'	IERAPETRAS
2	AGIOS NIKOLAOS - 'MINOS PALAS'	81 • IERAPETRA - ENANTI GYMNASIOU
3 0	AGIOS NIKOLAOS - ENANTI HOTEL 'SAN NICOLA' ALMYROS - ENANTI SYNTRIVANI	82 • IERAPETRA - ENANTI TAVERNAS KATO APO CASTELLO 83 • XHRYSI (NISOS GAIDOURONISI)
	AMMOS - HOTEL 'MARINA'	84 FERMA - ENANTI HOTEL 'VELISARIOS
	AMOUDI - MESON AKTIS	85 KOUTSOUNARI - ENANTI HOTEL 'LYKTOS BEACH'
	CHAVANIA,DIMOTIKI AKTI -CHAVANIA BEACH CANTIA CHAVANIA,DIMOTIKI AKTI 1 - CHAVANIA APTS	86 MYRTOS - ENANTI KINOTIKIS PLAZ
9	DIMOTIKI ÁKTI AMMOU - MESON AKTIS	87 CHIONA - MESON AKTIS
	GARGADOROS - ENANTI HOTEL 'BALATSO'	88 KOUREMENOS - MESON AKTIS 89 VAI - ARISTERO AKRO AKTIS, POTAMAKI
11 1 12 6	KITROPLATEIA - ENANTI HOTEL 'PALATSO' MIRABELLO - ENANTI HOTEL 'MIRABELLO'	89 • VAI - ARISTERO AKRO AKTIS,POTAMAKI 90 • VAI - DEXIO AKRO AKTIS,TAVERNA
13	DRIROS - ENANTI TAVERNAS DRIROS	KISSAMOU
	ELOUNDA -ELOUNDA MARE ROCK, PORTO ELOUNDA MARE	91 • KASTELLI KISSAMOU - DEXIO AKRO AKTIS 92 • KASTELLI KISSAMOY - ARISTERO AKRO AKTIS
) ELOUNTA - HOTEL 'BLUE BAY') POROS - ENANTI HOTEL ELOUNTA BAY	93 • FALASARNA - ARISTERO AKRO AKTIS
	POROS - ENANTI HOTEL ELOUNTA BEACH	94 FALASARNA - DEXIO AKRO AKTIS
	SCHISMA - ENANTI OIKISMOU SCHISMA	KOLYMPARIOU
	AGIOS PANTELEIMON - MIRABELLOU KALO CHORIO - PYLOS,ENANTI HOTEL 'ISTRON BAY'	95 • KOLYMPARI - MESON AKTIS ENANTI TAVERNON
21	VOULISMA - MESON KOINOTIKIS AKTIS	96 • AGIA GALINI - PAPADOPLAKA
	MILATOS - DEXIO AKRO AKTIS	97 • AGIA GALINI - SIMEIO EKVOLIS POTAMOU 98 • AGIA GALINI YSTERO VARKOTOPI - MESON AKTIS
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24	KALATHAS - SIMEIO EKVOLIS POTAMOU	99 PEISKOPI - GEFYRA PETRE
	STAVROS - MESON AKTIS	100 • EPISKOPI - PARALIA EPISKOPIS
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28	SKALETA - ENANTI HOTEL 'CRETA STAR'	103 DIASKARI - MESON AKTIS
	ADELIANOS KAMPOS - HOTEL 'RETHYMNO PALACE' ADELIANOS KAMPOS - HOTEL 'RITHYMNA BAY'	104 • MAKRYGIALOS - LAGOUFA, HOTEL 'SUNWING' MALLION
31	PIGIANOS KAMPOS - HOTEL EL GRECO	105 • AGIA PELAGIA - ENANTI HOTEL 'IKAROS VILLAGE'
	OCHORIOU	106 AGIOS DIMITRIOS - ENANTI HOTEL 'ARIADNE'
	TSOUTSOURAS - DEXIO AKRO AKTIS TSOUTSOURAS - MESON AKTIS	107 ○ ● KLONTZANI - ENANTI HOTEL GRAMMATIKAKI 108 ● POTAMOS - ENANTI HOTEL FAIDRA
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	KALYVES - ENANTI KENTROU 'MAISTRALI'	110 STALIDA - MESON AKTIS (FOINIKES)
35 CHANIO	N KALYVES AKTI XYDA - MESON AKTIS	NEAPOLIS 111 ● AGIA VARVARA - HELLENIC PALLAS HOTEL
36	CHANIA - KOUN KAPI.SCHOLI CHOROFYLAKIS	112 BOUFOU - MESON AKTIS
	CHANIA - NEA CHORA,KENTRO AKROGIALI	113 SISY - LIMANAKI - DEXIO AKRO PROVLITAS
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40	DRAPANOS - ENANTI HOTEL 'NANA BEACH'	116 • KARTEROS,EOT - ENANTI DETAH
) LIMIN CHERSONISOU - ENANTI HOTEL 'EVA') LIMIN CHERSONISOU - DYTIKA HOTEL CRETA MARIS	NEAS KYDONIAS 117 ● AGIA MARINA - ENANTI HOTEL 'SANTA MARINA'
	LIMIN CHERSONISOU - ENANTI HOTEL SILVA MARIS	118 • AGIOI APOSTOLOI, EOT - ARISTERO AKRO AKTIS
44 🕀 🌑	LIMIN CHERSONISOU-ANATOLIKA HOTEL CRETA MARIS	119 • AGIOI APOSTOLOI, EOT - DEXIO AKRO AKTIS
) LIMIN CHERSONISOU-ENANTI TAVERNAS 'ACROPOLIS') ANALIPSI - ENANTI TELOUS DROMOU PROS PARALIA	120 • CHRYSI AKTI,EOT - MESON AKTIS 121 • KALAMAKI - ENANTI KENTROU SALAVANTES
	ANISARA - HOTEL LYTTOS	122 • STALOS - ENANTI KENTROU 'KATI ALLO'
FOINIKA		PELEKANOU
) DAMNONI - ENANTI HOTEL 'DAMNONI BAY') PLAKIAS - ENANTI HOTEL 'PLAKIAS BAY'	123 CHALIKIA - 100M APO VRACHO 124 CHALIKIA - ARISTERA PLISION VRACHOU
50	PLAKIAS - ENANTI HOTEL ALIANTHOS	125 PACHEIA AMMOS - VRACHAKIA
	PLAKIAS - ENANTI HOTEL ORIZON	PLATANIA
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	AGIA PELAGIA - ENANTI TAVERNAS 'DIONYSSOS'	128 • PLATANIAS - ENANTI DIMOTIKOU SCHOLEIOU
54	KLADISSOS - HOTEL KAPSIS	RETHYMNIS
) LYGARIA - ENANTI TAVERNAS LYGARIA) MONONAFTIS - MESON AKTIS	129 • MYSSIRIA - ENANTI HOTEL 'CRETA PALACE' 130 • PLATANIAS - HOTEL 'MARINOS'
	AMMOUDARA - ENANTI HOTEL 'AGAPI BEACH'	131 • RETHYMNO - ENANTI HOTEL LEFKONIKOS
58	AMMOUDARA - ENANTI HOTEL 'CANTIA MARIS'	132 • RETHYMNO - ENANTI HOTEL STERIS
) AMMOUDARA - TERMA DROMOY PROS RADIOF.STATHMO) KANTIA MARIS - HOTEL KANTIA MARIS	133
	PALAIOKASTRO - MESON	SELINOU
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) FODELE - ARISTERO AKRO,HOTEL FODELE BEACH) FODELE - DEXIO AKRO AKTIS	136 PARALIA SOUGIAS - DEXIA SFAKION
	OUPOLEOS	137 • ILINGAS - MESON AKTIS
65	GEORGIOUPOLI - ARISTERO AKRO,ENANTI KANTINAS	138 MAVROS LIMENAS - MESON AKTIS
	GEORGIOUPOLI - ENANTI HOTEL 'GORGONA' MARE MONTE REACH - ENANTI HOTEL 'MARE MONTE'	SITEIAS
) MARE MONTE BEACH - ENANTI HOTEL 'MARE MONTE') DRAMIA - ENANTI HOTEL 'ALEXANDROS'	139 • ANALOUKAS SITEIAS - MESON AKTIS 140 • SITEIA - ENANTI BAY VIEW
GEROP	DTAMOU	141 SITEIA - ENANTI HOTEL 'PARADISE'
	BALI - VARKOTOPOS	142 SITEIA - ENANTI HOTEL GALLIKON
) BALI - VLYCHI NERO) PANORMO - PARALIA DEXIA APO LIMANAKI	SOUDAS 143 VLITES - ENANTI KENTROU 'PALOMA'
GOUVO	N	TYMPAKIOU
	KOKKINI CHANI - ENANTI HOTEL 'RINELA BEACH'	144 • AKTI KOMOU - ENANTI TAVERNAS
) GOUVES - ENANTI HOTEL 'CRETA SUN') GOUVES - ENANTI HOTEL AFRODITI	145 • MATALA - ARISTERO AKRO,ENANTI OIKISMOU 146 • MATALA - DEXIO AKRO,ENANTI SPILAION
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76	GOUVES - ENANTI HOTEL PANTHEON	148 • KOKKINOS PYRGOS - SNAK BAR AKTI
) AMNISSOS - ENANTI TAVERNAS AMNISSOS) ESTAVROMENOS - ANATOLIKA HOTEL 'ARINA'	VAMOU 149 ■ ALMYRIDA - ENANTI KENTROU DRAKAKI
) ESTAVROMENOS - ANATOLIKA HOTEL AHINA) ESTAVROMENOS - DYTIKA HOTEL 'ARINA'	TAD THE PROPERTY OF THE PROPER

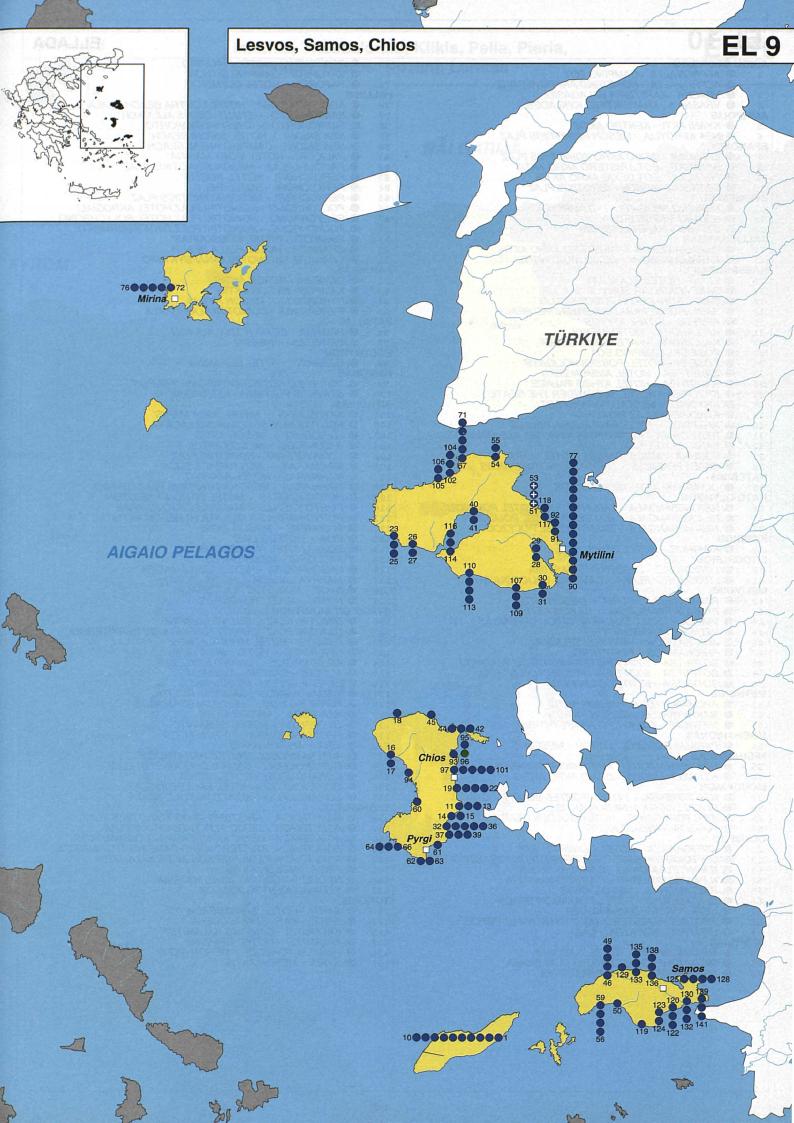


EL8

AFANTOU	74 PARALIA ALINTON
1 • AFANTOU - ENANTI HOTEL 'IRENE PALACE'	75 PARALIA DRYMONA
2 • AFANTOU - GOLF	76 PARALIA GOURNAS
3 • KATHOLIKI - MESON AKTIS	77 PARALIA KOULOUKI
4 • KOLIMPIA - MESON AKTIS	78 PARALIA KRITHONIOU
ARCHAGGELOU	79 PARALIA PANTELIOU
5 • AGIA AGATHI - MESON AKTIS	80 PARALIA PLEFOUTI
6 STEGNA - KOZA	81 PARALIA VROMOLITHI
7 THOLOS - MESON AKTIS	82 PARALIA XIROKAMPOU
8 • TSAMPIKA - TSINIKI	LINDION
9 TSAMPIKA - SYMIAKI	83 PARALIA KALATHOU - MESON AKTHS
10 • KIOTARI - OIKISMOS,MESON AKTIS	84 VLICHA - MESON AKTIS
11 • CHARAKI - MESON AKTIS	85 GLYSTRA - MESON AKTIS
ASTYPALAIAS	86 LARDOS - HOTEL ST.GEORGE
12 • AGIOS KOSTANTINOS - MESON AKTIS	87 • LOTHIARIKA KATSOUNI - MESON AKTIS
13 • B MARMARI	88 LINDOS - MEGAS GIALOS
14 • LEIVADI - PLYSTRES	89 LINDOS - MIKROS GIALOS
15 • LEIVADI - STEFANIDA	90 • LOTHIARIKA - MESON AKTIS
16 • MALTEZANA	91 PEFKOI - MESON AKTIS
17 PERA GIALOS	92 RENI KALATHOU - HOTEL 'ATRIUM PALACE'
18 • SCHOINONTAS	93 • THOLARI - MESON AKTHS
19 • STENO	94 VLICHA - ENANTI HOTEL 'LINDOS BAY'
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20 TIGKAKI - ARISTERO AKRO	95 • MEGISTI - AG.STEFANOS
21 TIGKAKI - DEXIO AKRO	96 MEGISTI - ISODOS LIMENOS
IALYSOU	97 • MEGISTI - MANDRAKI
22 • IXIA - AVRA BEACH	98 MEGISTI - PLAKES
23 • IXIA - ENANTI HOTEL 'OLYMPIC PALACE'	99 NISOS ROS
24 ⊖ ● IXIA - ENANTI HOTEL 'RODOS PALACE'	NISIROU
25 • IXIA - ENANTI HOTEL 'RODOS IMPERIAL'	100 • ASPRI AMMOS
26 • TRIANTA - ENANTI HOTEL 'ELINA BEACH'	101 • CHOCHLAKI
27 • TRIANTA - ENANTI KANTINAS GOLDEN BEACH	102 • MIRA MARE
IRAKLEIDON	103 • VRETO
28 TROULLOS - HOTEL NEPTON	104 • LIES
29 • GOURNIATIS - HOTEL LAKITHRA	105 PACHIA AMMOS
30 • VOUNO - HOTEL NORINTA	106 PARALIA PALOUS
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31 SKETHRIO KAMARIOU - MESON AKTIS	107 KIOTARI - GALOUNI HOTEL 'RODOS PRINCESS'
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33 • FALIRAKI KALYTHION - ENANTI HOTEL SOTIRAKI	PATMOU
FALIRAKI KALYTHION -ENANTI HOTEL APPOLO BEACH	110 • AGRIOLIVADO
35 • FALIRAKI KALYTHION-ENANTI STATHMOU LEOFOREION	111 • GRIKOS
36 • FALIRAKI KOSKINOU - HOTEL RODOS PALLADIUM	112 • KAMPOS
KALLITHEA -IAMATIKI PIGI	113 • LAMPI
•	114 • LIVADI GERANOU
38	115 • MELOI
40 • FALIRAKI - ENANTI HOTEL 'BLUE SEA'	116 PETRA
41 • FALIRAKI - ENANTI HOTEL BLUE SEA	117 PSILI AMMOS
42 • FALIRAKI - ENANTI HOTEL CALTIFSO 42 • FALIRAKI - ENANTI HOTEL 'COLOSSOS CLUB'	118 SKALA
43 • FALIRAKI - ENANTI HOTEL GOLOGSOG GLOB	PETALOUDON
	119 • KREMASTI - ENANTI HOTEL 'ELEKTRA PALACE'
	120 • KREMASTI - MESON KOINOTIKIS PLAZ 121 • VAGIES - MESON AKTIS
46	RETALOUDON
47 ARGINONTA - MESON AKTIS	122 ⊕ ● THEOLOGOS - ENANTI HOTEL 'DORETTA BEACH'
48 • EMPORIOS - MESON AKTIS	123 • THEOLOGOS - ENANT HOTEL BORETTA BEACH
•	RODOU
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51 • MYRTIES - MESON AKTIS	125 • ANATOLIKA ENYDRIOU - ENANTI KANTINAS ELLI
52 • PLATYS GIALOS - MESON AKTIS	126 DYTIKA ENYDRIOU - PROIN KENTRO ALLODAPON
53 • THERMA - MESON AKTIS	127 • KRITIKA - ENANTI HOTEL 'SIRENE'
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54 • AGIOS NIKOLAOS - MESON AKTIS	129 • RENI - ENANTI HOTEL 'EDEN ROCK'
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57 • AMMOS - ENANTI ESTIATORIOU 'DIOGENIS' 58 • AMMOS - ENANTI HOTEL 'LIMNIATI'	133 SORONI - MESON AKTIS
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	135 • AKTI NOS 136 • LIMANI NIMPORIOU
61	137 PARALIA AGIA MARINA
63 • AKTI CAMPING KO - ENANTI CAMPING	138 PARALIA NANOUS
64 • AKTI GIPEDOU - ENANTI GIPEDOU	139 PARATHOUNTA
65 • AKTI PSALIDI - ENANTI HOTEL THEODOROS	140 PEDI, AGIOS NIKOLAOS
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68 • KRITIKA - BARMPAGIANNIS	TILOU
69 • KRITIKA - ENANTI HOTEL 'ATLANTIS'	143 PARALIA ERISTOU - ARISTERA
70 • KRITIKA - PARASKEVA	144 PARALIA ERISTOU - DEXIA
71 • LAMPI - MESON AKTIS	145 PARALIA PLAKAS
72 • PEFKOKEFALI - HOTEL OKEANIS	146 PARALIA SKAFIS
LEROU	147 PARALIA LETHRON
73 PARALIA AGIAS MARINAS	148 • PARALIA LIVADION



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3 • FLEVES	MYRINAS
4 • KERAME	72 • NEA MADYTOS - ENANTI KTINIATREIOU
5 • KOTSAMPI 6 • PRIONI	73
7 SKEPSI	75 • ROMEIKOS GIALOS - ENANTI KENTROU TERAIN
8 • THERMA	76 ROMEIKOS GIALOS - ENANTI MOUSEIOU
9 TSOUKALA	MYTILINIS ACIOC EDMOCENIC MECON AKTIC
10 • XYLOSIRTI AGIOU MINA	77 • AGIOS ERMOGENIS - MESON AKTIS • BIGLA XENIA - SYGROTIMA KATOIKION MERKADA
11 • KARFAS - ENANTI HOTEL 'GOLDEN SAND'	79 • KALAMARI - ENANTI KAMPINON
12 • KARFAS - ENANTI KENTROU 'GIAMOS'	80 • KALAMARI - MONOPATI
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15 • AGIA FOTEINI - ENANTI KENTRIKIS SKALAS	83 • KRATIGOS - KATIA
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16 LIMNOS - MESON AKTIS 17 MAGEMENA MANAGROS - DEXIO AKRO AKTIS	85 • NEAPOLI - LIMANAKI 86 • PLAZ CHARAMIDAS - MESON AKTIS
18 • KERAMOS - MESON DIMOTIKIS AKTIS	87 TSAMAKIA EOT - 40M. APO ARISTERI PROVLITA
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21 PARALIA KONTARIOU - PLISION DEH	91 • THERMA - ARISTERA KTIRIOU
22 PARALIA KONTARIOU - ENANTI KENTROU AKROGIALI	92 THERMA - DEXIA KTIRIOU
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24 SCALA ERESOU - ENANTI BAR 'YELLOW'	94 METOXI
25 SCALA ERESOU - ENANTI OIKIAS OMIROU	95 • AGIOS ISIDOROS - MESON AKTIS
26 • TAVARI - ENANTI OIKIAS PSARA 27 • TAVARI - ENANTI OIKIAS VOURNAGOU	96 PANDOUKIOS - MESON AKTIS 97 ALMYROS
GERAS	98 • DASKALOPETRA - ENANTI SKALAS KATHODOU
28 EVREIAKI - 150M. NOTIA CHEIMAROU MONERIOU	99 DASKALOPETRA B - ARISTERO AKRO AKTIS
29 • EVREIAKI - 50M. VOREIA TOU MOLOU 30 • TARTI - AGIOI SARANTA	100 ORMOS LO - MESON AKTIS, PROVLITA 101 PARALIA PANTELAKI - MESON AKTIS
31 • TARTI - ENANTI KAFENEIOU CHANTZIMANOLI	PETRAS
IONIAS	102 PETRA - ENANTI ESTIATORIOU LASKARI
32 • AGIOS AIMILIANOS 33 • AGIOS IONANNIS	103 PETRA - ENANTI HOTEL 'ISLAND' 104 PETRA - ENANTI OIKIAS SAPOUNTZI IPPOKRATI
34 • KATARRAKTHS - DEXIO AKRO AKTIS KOUKOULA	105 • ANAXOS - ENANTI KAMPINON
35 • KOUKOULA	106 ANAXOS - ENANTI KATASTIMATOS ANGELI
36 ■ LIMANI 37 ■ AGIOS IONANNIS VOUNOU	PLOMARIOU 107 AGIOS ISIDOROS - ENANTI EKKLISIAS
37 • AGIOS IONANNIS VOUNOU 38 • GRIDIA NENITON	108 • AGIOS ISIDOROS - ENANTI KAFETEREIAS DIMOU
39 • VOKARIA	109 • AGIOS ISIDOROS - ENANTI OIKIAS VARVAGIANNI
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41 SCALA KALLONIS - ENANTI KAMPINON PLAZ	111 • VATERA - ENANTI HOTEL 'OMIROS'
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42 • GIOSONAS - MESON AKTIS • PARALIA NAGOU A - ARISTERO AKRO AKTIS	113 • VATERA - XOURMOUZI POLYCHNITOU
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45 • AMADES - MESON AKTIS	115 NYFIDA - ENANTI PROTIS KAMPINAS
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47 • MEGALO SEITANI - MESON AKTIS	117 • KANONI THERMIS - ENANTI DEFTEROU NTOUS
48 MIKRO SEITANI - MESON AKTIS	118 • KANONI THERMIS -10M.DEXIA DROMOU APO EL GRECO
49 • POTAMI - ARISTERO AKRO AKTIS KOUMAIIKA	PYTHAGOREIOU 119 • IRAIO - ENANTI OIKISMOU IRAIOU
50 BALOS - MESON AKTIS	120 GLYKORIZA - MESON
LOUTROPOLEOS	121 PYTHAGOREIO - PLAZ FITO
51 ⊕ ● AKTI PETALIDI - HOTEL PETALIDI 52 ⊕ ● SKALLA MISTEGNON - 10M VOREIA NTOUS	122 • PYTHAGOREIO - TARSANAS 123 • PATOKAKI - KERAIA
53 SKALLA MISTEGNON - GYPEDO	124 POTOKAKI - DEXIO AKRO AKTIS
MANTAMADOU	VATHEOS
54 TSONIA - ENANTI OIKIAS VAXEVANI 55 TSONIA - ENANTI OIKIAS AXIOTI	125 • AKTI AG. PARASKEVIS - MESON 126 • AKTI GAGOU - ARISTERO AKRO AKTIS
MARATHOKAMPOU	127 AKTI MALAGARIOU - MAOUNES
56 AKTI KAMPOU - MESON	128 MALAGARI - ENANTI HOTEL 'POSEIDON'
57 • AKTI LIMIONA - MESON 58 • CHRYSSI AMMOS - MESON AKTIS	129 • KOUROU NTE RE AMPELOU - MESON 130 • ALYKI - ENANTI HOTEL 'SIRENES BEACH'
59 OPRMOS MARATHOKAMPOU - MESON	131 • MESOKAMPOS - ENANTI ESTIATORIOU 'KALYPSO'
MASTICHOCHORION	132 MESOKAMPOS - KITHARES
60 • LITHI - MESON AKTIS 61 • LIMENAS	133 • AKTI KAMPOU VOURLIOTON - MESON 134 • AVLAKIA
62 • EMPORIOS	135 TSAMPOU - MESON AKTIS
63 MAVRA VOLIA - ENANTI KENTRIKIS SKALAS	136 KOKKARI - ENANTI HOTEL 'KOKKARI BEACH'
64	137 • LEMONAKIA - DEXIO AKRO AKTIS 138 • TSAMADO A - DEXIO AKRO AKTIS
66 LILIKAS	139 AKTI POSEIDONIOY - MESON
MITHYMNAS	140 • CHARAVGI, KERVELI - MESON 141 • PSILI AMMOS - DEXIO AKRO AKTIS
67 • EFTALOU - AGIOI ANARGYROI 68 • EFTALOU - ENANTI NTOUS	141 PSILI AMMOS - DEXIO AKRO AKTIS



AGIOU	GEORGIOU
1	ASPROVALTA - CAMPING EOT
2	ASPROVALTA - KOINOTIKO ANAPSYKTIRIO
3 (VRASNA - KAFETERIA KALAGASIDI
	VRASNA 3 - ANAPSIKTIRIO KYKLADES
AMFIP	
	KYANI AKTI - KENTRO AKTIS
6 (NEA KERDYLIA - MESON KOINOTIKIS PLAZ
PANO	PANOMI - DEXIO AKRO KOINOTIKIS PLAZ
	EPANOMI - BEXIO ARRO ROINOTIRIS FEAZ EPANOMI - EOT,ARISTERO AKRO AKTIS
9	■ EPANOMI - EOT, DEXIO AKRO AKTIS
	PANOMI - MESON KOINOTIKIS PLAZ
EVRIME	
	KOKKINO NERO - PLATYS AMMOS
12	STOMIO - APODYTIRIA
13 (STOMIO - KAFE FLOISVOS
	CRATEIAS
	PARALIA VERGIA - ARISTERO AKRO AKTIS
	PARALIA VERGIA - DEXIO AKRO AKTIS
	NDRAS
	ELANI - HOTEL 'ELANI BAY' SANI - CAMPING SUNY
	SANI - CAMPING SUNY SANI - SUNI BEACH PHOCEA CLUB
	SANI - HOTEL PARADISE SIMANDRO BEACH
	AFYTOS - HOTEL AFYTOS
	KALLANDRA - HOTEL MENDI
	KALLANDRA - KAFETERIA POSEIDI
23	POSEIDI - CAMPING EOT
24	POSEIDI - HOTEL 'POSSIDI HOLIDAYS'
	KALLITHEA - HOTEL AMMON ZEFS
	KALLITHEA - HOTEL ATHOS PALACE
	KRYOPIGI - HOTEL 'ALEXANDER THE GEATE'
	KRYOPIGI - MESON CAMPING EOT
	● KRYOPIGI - PLAZ PIGADAKIA ● KRYPPIGI - HOTEL KASSANDRA PALACE
	NEA FOKAIA - KOINOTIKI PLAZ,HOTEL ALEXANDROS
	SANI - HOTEL SANI BEACH
	FOURKA - AGIOS IOANNIS ,HOTEL 'AVRA'
	SKALA FOURKAS - MESON KOINOTIKIS AKTIS
KATER	
	OLYMPIAKI AKTI - MESON AKTIS
	DLYMPOU
	NEA MESANGALA - 1KM ARISTERA HOTEL POLYZOU
37	NEA MESANGALA - 1KM DEXIA HOTEL POLLYZOU
	NEA MESANGALA - ENANTI HOTEL POLYZOU
KORING	
39 (LITOCH	NORINOS - HOTEL DENIS
	LITOCHORO - DIMOTIKO KATASTIMA
	LITOCHORO ,PLAKA - CAMPING TOLIOPOULOU
MELIVO	
	PARALIA KOUTSOUPIA - MESON AKTIS
43	PARALIA PANOURGIA - MESON AKTIS
	VELIKA - 100M DEXIA AKROTIRIOU DERMATAS
	VELIKA - KENTRO SFYRI
	AGIOKAMPOS - KENTRO TSELIGKA
	AGIOKAMPOS - PERIPTERO
48	■ SOTIRITSA - 500M ARISTERA KENTROU VLACHOU ■ SOTIRITSA - 500M DEXIA KENTROU VLACHOU
	SOTIRITSA - SOUN DEXIA RENTHOU VEACHOU
METHO	
	APCHAIA PYDNA - MESON AKTIS
52	MAKRYGIALOS - MESON AKTIS
	METHONI - KOINOTIKO ANAPSYKTIRIO
MHCHA	ANIONAS
	PARALIA AGGELOCHORIOU - MESON
	NIONAS
	NEA MICHANIONA - ARISTERO AKRO AKTIS
	NEA MICHANIONA - DEXIO AKRO AKTIS
MOUDA	
	● NEA POTIDAIA - HOTEL 'PORTES BEACH' ● PLAZ ELAIONA - MESON AKTIS
59	AKTI TORONAIOS - HOTEL GOLDEN BEACH
OLYMP	FLOGITA - MESON AKTIS
	FLOGITA - MESON AKTIS
61 (
	POU
62 63	OU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA -KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS
62 63 64	OU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA -KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS N.PANTELEIMONAS - CAMPING IRAKLEIA
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62 63 64 65 66	OU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA - KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS N.PANTELEIMONAS - CAMPING IRAKLEIA PALTAMONAS - MESON AKTIS PLATAMONAS - HOTEL PLATAMON BEACH
62 63 64 65 66 67	DU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA -KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS N.PANTELEIMONAS - RAMPING IRAKLEIA PALTAMONAS - MESON AKTIS PLATAMONAS - HOTEL PLATAMON BEACH NEOI POROI - DIMOTIKI AKTI
62 63 64 65 66 67 68	OU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA - KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS N.PANTELEIMONAS - CAMPING IRAKLEIA PALTAMONAS - MESON AKTIS PLATAMONAS - HOTEL PLATAMON BEACH NEOI POROI - DIMOTIKI AKTI SKOTINA - ARISTERO AKRO CAMPING OLYMPOS
62 63 64 65 66 67 68 69	OU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA - KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS N.PANTELEIMONAS - CAMPING IRAKLEIA PALTAMONAS - MESON AKTIS PLATAMONAS - HOTEL PLATAMON BEACH NEOI POROI - DIMOTIKI AKTI SKOTINA - ARISTERO AKRO CAMPING OLYMPOS SKOTINA - KOINOTIKI PLAZ
62 63 64 65 66 67 68 69 ORMYL	OU LEPTOKARYA - HOTEL OLYMPIAN BAY LEPTOKARYA - KAFETERIA KOINOTIKOU KATASTIMATOS N.PANTELEIMONAS - CAMPING ELLAS N.PANTELEIMONAS - CAMPING IRAKLEIA PALTAMONAS - MESON AKTIS PLATAMONAS - HOTEL PLATAMON BEACH NEOI POROI - DIMOTIKI AKTI SKOTINA - ARISTERO AKRO CAMPING OLYMPOS SKOTINA - KOINOTIKI PLAZ

PSAKOUDIA - HOTEL 'PHILOXENIA'

 PSAKOUDIA - HOTEL PHILIPPIO
 VATOPEDI - CAMPING SITHON
 VATOPEDI - HOTEL OLYMBICO AGIA PARASKEVI - HOTEL LOUTRA BEACH, SKALA
SIDIROPORTO - ENANTI OIKIAS ALEXIADH
SIDIROPORTO - THESI SIDIROPORTO
NEA SKIONI - HOTEL 'SKIONI BEACH'
NEA SKIONI - CAMPING ANEMI BEACH
PALIOURI - HOTEL 'PORT MARINA'
PALIOURI - HOTEL 'PORT MARINA'
PALIOURI, PLAZ - MESON KOINOTIKIS PLAZ
PEFKOCHORI - HOTEL 'KOSTIS'
PEFKOCHORI - HOTEL 'PELY'
PEFKOCHORI - MESON KOINOTIKIS PLAZ
POLYCHRONO - KOINOTIKI PLAZ, HOTEL AKROGIALI
POLYCHRONO - KOINOTIKI PLAZ, HOTEL POLYCHRONO
POLYCHRONO - KOINOTIKI PLAZ, OIKIA KOURMPATI
CHANIOTI - HOTEL 'SOUSOURAS'
CHANIOTI - HOTEL PELLA BEACH
CHANIOTI - KOINOTIKO ANAPSYKTIRIO
GAS **PALLINIS PANAGIAS** 92 DEVELIKI - MESON AKTIS
93 KAMPOS - MESON AKTIS
94 PYRGADIKIA - MESON AKTHS
95 PYRGADIKIA - KOINOTIKI PLAZ ,SKALA **PARALIAS** PARALIA - DEXIA HOTEL ALKYON
 PERISTASI - MESON POLYGYROU GERAKINI - HOTEL GERAKINA RENTINAS MILIES -KOINOTIKO KATASTIMA 'KOLPOS'
 STAVROS PLATANIA - KENTRO AKTIS ONIAS

AKTI ELAION - HOTEL 'ASSA MARIS'

KOUTLOUMOUSI - CAMPING LACARA
LIVROCHIO - MESON AKTIS

SALONIKIOU - MESON AKTIS

VOURVOUROU - KOINOTIKI PLAZ

MARMARAS - AKTI PARADEISOS

MARMARAS - HOTEL AZAPIKO

MARMARAS - HOTEL SITHONIA, MELITON

PORTO KARRAS - MARINA PORTO KARRAS

PORTO KARRAS - AKTI KOCHI, MESON AKTIS

AI GIANNIS - MESON AKTIS

ELIA - HOTEL 'ELIAS'

ELIA - HOTEL 'ELIAS'

ELIA - HOTEL ANTHEMOUS

KALOGRIA - MESON AKTIS

LAGOMANDRA - HOTEL 'LAGOMANDRA'

MAKRYA LAGADA - HOTEL 'PORFI'

NIKITI - KOINOTIKI PLAZ , SKALA

NIKITI - HOTEL 'TORONEOS'

BIRON AKANTHOU SITHONIAS STAGIRON AKANTHOU IRON AKANTHOU

DIMOTIKI PLAZ - ENANTI CAMPING

DIMOTIKI PLAZ - ENANTI TOURISTIKOU PERIPTEROU

IERISOS - HOTEL MOUNT ATHOS

NEA RODA - HOTEL 'VILLA LILA'

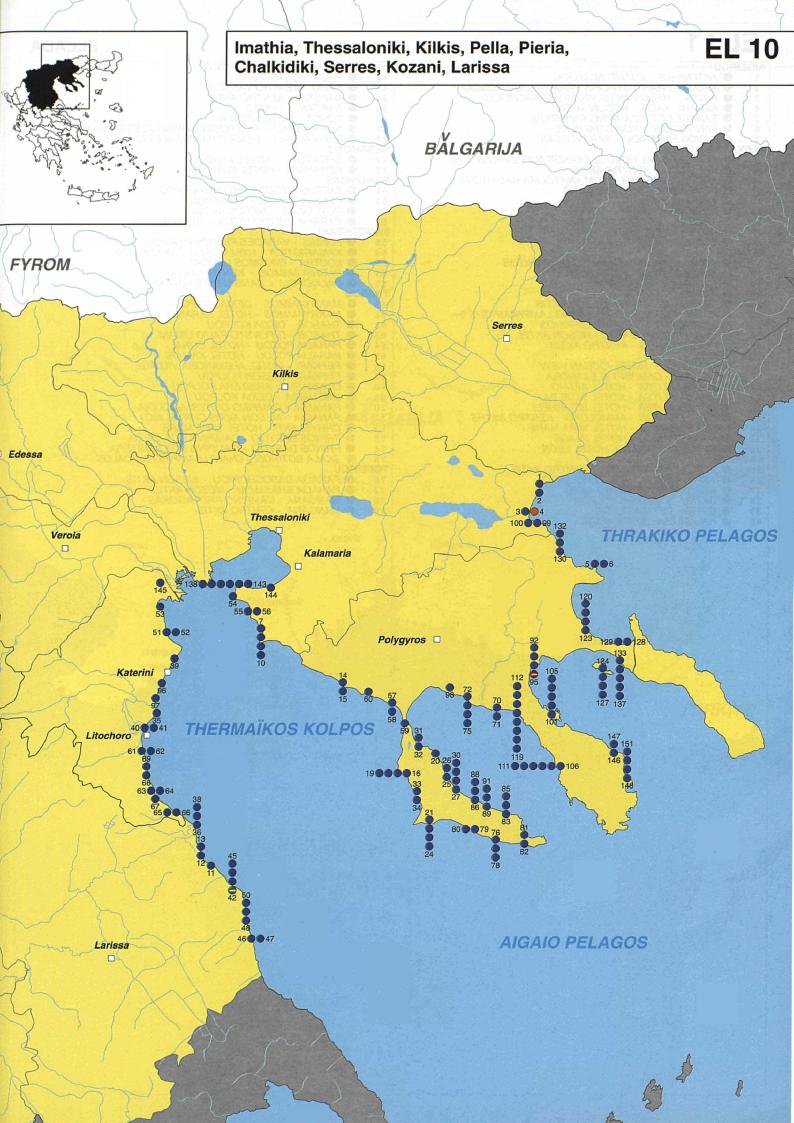
AG.GEVRGIOS - ENANTI EKKLISIAS

ALYKES - CAMPING AVDIMIOTI

GLAROKAMPOS - MESON AKTIS

MEGALI AMMOS - CAMPING RODITI

AGIOS PAULOS - HOTEL ALEXANDROS AGIOS PAULOS - HOTEL ALEXANDROS
NEA RODA - MESON AKTIS
OLYMPIADA - HOTEL 'GERMANY'
PROTI AMMOUDIA - MESON AKTIS
VINA - MESON AKTIS
AKTI KAMPOUDI - HOTEL 'AKRATHOS'
OURANOUPOLI - BANGALOWS ARISTOTELES
OURANOUPOLI - HOTEL 'XENIA'
OURANOUPOLI - HOTEL EAGLES PALLAS
OURANOUPOLI - HOTEL EAGLES PALLAS OURANOUPOLI - KOINOTIKI PLAZ, SKALA **THERMAIKOU** AGIA TRIADA - ARISTERO AKRO KOINOTIKIS PLAZ
 AGIA TRIADA - DEXIO AKRO KOINOTIKIS PLAZ
 AGIA TRIADA - DEXIO AKRO CAMPING THERMAIKOS AGIA TRIADA -ARISTERO AKRO CAMPING THERMAIKOS AGIA TRIADA KAOA - MESON AKTIS KALAMARIA PIKPA - MESON AKTIS
 NEOI EPIVATES - KENTRO 'KIOSKIA'
 PERAIA - KENTRO 'KYMATA' TORONIS SARTI - HOTEL 'SARTI BEACH' SARTI - KAFE EMMANOUELA KALAMITSI - CAMPING KALAMITSI
 KALAMITSI - HOTEL 'ERMIONI'
 PARALIA TORONIS - MESON AKTIS SYKIA - MESON AKTIS



AIGEIROU

 AKTI MESIS - ENANTI ALSYLIOU
 AROGI - ENANTI STROFIS PARALIAKOU DROMOU
 AROGI - MESON AKTIS, VRYSI DASARCHEIOU FANARI , KAOA - MESON AKTIS
 FANARI , EOT - CAMPING FANARIOU
 FANARI ,EOT - KOINOTIKI PLAZ
 KAVOS FANARIOU - KARAVOTSAKI 6 **ALEXANDROUPOLI** ANDROUPOLI

4KM NATIONAL ROAD ALEXANDROUPOLI-KOMOTINI

KALAMAKI - KENTRO AKTIS

KOKKINA VRACHIA - 100M ANATOLIKA RADAR OTE

PLAZ DIMOU - KENTRO AKTIS

AG.PARASKEVI
AMMOUDA - AG.GEORGIOS

APALOS - MESO PLAZ DIMOU

DIKELLA - BLOKI

TSAOUSI - KENTRO AKTIS

RON 10 12 13 14 15 AVDIRON AGIOS IOANNIS - CAMPING DIMOKRITOS
AGIOS IOANNIS - ASPRI AMMOS
AVDIRA - KENTRO AKTIS
AVDIRA - MARINA
PAPALIA MANDRAS - MESON AKTIS 17 18 20 21 PAFALIA MANDRAS - CAMPING LAMPROUPOLIS
 PARALIA MANDRAS - CAMPING LAMPROUPOLIS
 MYRODATO - CAMPING LEFKIPOS
 PARALIA MYRODATOU - MESON AKTIS
 PORTO LAGOS - KENTRO AKTIS 22 24 25 **ELEFTHERON** SARAKINA - HOTEL 'OCEAN VIEW'

KARIANI - CAMPING ALEXANDRA

NEA IRAKLITSA - HOTEL AIGAIO

NEA IRAKLITSA - HOTEL BLUE BAY

NEA IRAKLITSA - HOTEL BOUNKELI 28 29 NEA PERAMOS - AMMOLOFOI - KENTRO AKTHS
 NEA PERAMOS - HOTEL MIRA MARE
 NEA PERAMOS - HOTEL PLAGE 32 33 OFRYNIO - TOUZLA, HOTEL LEON KAV ALAS ACHILLEAS - PERIGIALI,KENTRO AKTIS

ASPRI AMMOS - ARISTERO AKRO

ASPRI AMMOS - DEXIO AKRO

BATIS - ARISTERA KOLPOU

BATIS - DEXIA KOLPOU

KANANISA ILIES HOTEL 35 36 39 KALAMITSA - LUCY HOTEL

 KALAMITSA - POSEIDONIO
 PALIO - GLASTRES
 PALIO - KENTRO VASSILIS 42 43 RAPSANI - KENTRO AKTIS
 RAPSANI - LYKEIO 44 TOSCA - HOTEL TOSCA

NEA KARVALI - ARISTERA CAMPING ALEXANDROS

NEA KARVALI - DEXIA CAMPING ALEXANDROS 46 47 KERAMOTIS KERAMOTI - HOTEL AFRODITIKERAMOTI - HOTEL KATERINA 49 50 MARONEIAS IMEROS - TOURISTIKO PERIPTERO
 PLATANITIS - HOTEL MARON
 PLATANITIS - MESON AKTIS 51 53 PARALIA PROSKYNITON - ALKYON SAMOTHRAKI FONIAS - VARADES,PLISION PYRGOU
 KAMARIOTISA - 100M VOREIA TOY LIMENOS
 LOUTRA - OIKISMOS LOUTRA
 PACHIA AMMOS - KENTRO AKTIS
 PALAIOPOLI - BANGALOWS FOTAKI 55 56 57 58 THASOU MAKRYAMMOS - DEXIA KOLPOU

MAKRYAMMOS - HOTEL SARANDI

THASOS - DEXIA KOLPOU

THASOS - DIPLA STO PALIO LIMANI
PARALIA POTOU - HOTEL CORAL
PARALIA POTOU - HOTEL KAMARI
PEFKARI - HOTEL ALEXANDRA VILLAGE
PEFKARI - MESON KOLPOU
LIMENARIA - ARISTERA KOLPOU
LIMENARIA - DEXIA KOLPOU
PANAGIA - CAMPING CHRYSI AMOUDIA
PANAGIA - MESON AKTIS CHRYSI AKTI
CHRYSI AKTI - HOTEL 'MIRA MARE'
PRINOS DASYLIO - CAMPING EOT, DEXIA
PRINOS DASYLIO - CAMPING EOT, ARISTERA
SKALA SOTIROS - ENANTI CAMPING DAIDALO MAKRYAMMOS - DEXIA KOLPOU 60 61 62 63 64 65 66 67 68 69 70 71 72 73 SKALA SOTIROS - ENANTI CAMPING DAIDALOS **TOPEIROU** PARALIA DASOCHORIOU - MESON AKTIS
 PARALIA ERASMIOU - MESON AKTIS
 MANGANA - CAMPING PROTAGORAS
 MANGANA - KENTRO AKTIS 76 77 78



Spain

1999 bathing season

15 April to 23 October Mainland:

Canary Islands: all year

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

 $\Sigma_{}$: total number of bathing areas; C (I) : percentage of bathing areas sufficiently sampled which comply with mandatory values; C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

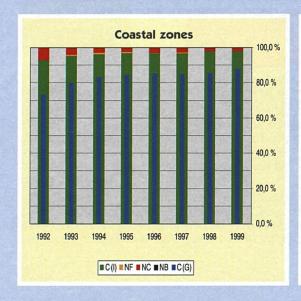
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

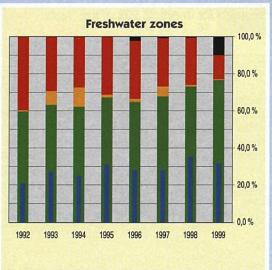
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances, and phenols.

Spain		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	1 335	92.7	73.3	0.0	7.3	0.0
	1993	1 405	95.3	79.8	0.4	4.3	0.0
	1994	1 490	96.0	83.4	0.8	3.2	0.0
	1995	1 518	96.6	84.7	0.7	2.7	0.0
	1996	1 572	96.5	85.3	0.6	2.9	0.0
	1997	1 588	96.5	85.0	1.4	2.1	0.0
	1998	1 597	97.6	85.6	0.0	2.1	0.3
	1999	1 624	97.8	87.8	0.0	2.1	0.1
Freshwater zones	1992	301	59.5	20.9	0.7	39.9	0.0
	1993	312	63.1	26.9	7.4	29.5	0.0
	1994	346	62.1	24.9	10.4	27.5	0.0
	1995	222	67.1	31.1	1.4	31.5	0.0
	1996	302	64.6	28.1	2.7	30.5	2.2
	1997	251	67.7	27.9	6.4	25.1	0.8
	1998	215	73.0	35.3	0.9	25.6	0.5
	1999	213	76.5	31.9	0.5	13.1	9.9

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 1 624; freshwater: 213)

In the coastal zones, 38 bathing areas were withdrawn compared with the previous bathing season and 65 new bathing areas were taken into account. Ten freshwater bathing areas were withdrawn and eight new areas were taken into account for the 1999 bathing season.

4. Comments

The compliance rates for coastal waters are rising constantly. The results for the freshwater zones were erratic and generally mediocre. Some bathing water areas were still sampled insufficiently (or not at all). This is unacceptable, since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

In the coastal zones, the percentage of bathing areas complying with the guide values (87.7 %) and/or mandatory values (97.8 %) was up slightly by 1.9 and 0.2 % respectively compared with the previous bathing season. Although the percentage of bathing areas failing to comply with the mandatory vales (2.1 %) remained identical, the percentage where bathing was prohibited fell slightly to 0.1 % for the 1999 bathing season. Three bathing areas were not sampled and are therefore considered not to comply with the mandatory values.

In the freshwater zones, trends were variable but the results were generally mediocre. There was a marked reduction in the percentage of bathing areas complying with the guide values, which was already particularly low for the 1998 bathing season. In the 1999 bathing season this fell from 35.3 to 31.9 %. The only indicators showing any improvement were the percentage of bathing areas complying with the mandatory values (76.5 %), which was up by 3.5 % over the previous bathing season and, highly significantly, the percentage of bathing areas failing to comply with the mandatory values, which fell from 25.6 to 13.1 % in the 1999 bathing season — which is still very high. The percentage of bathing areas insufficiently sampled fell by 0.5 %, but the percentage where bathing was prohibited rose sharply from 0.5 % in the 1998 bathing season to 9.9 %.

5. General information

Public information

The Ministry of Health and Consumption, using data supplied by the autonomous regions, publishes an annual report on the quality of bathing areas. This report is presented nationally to the press. In addition, during the bathing season the autonomous and local authorities provided the public with recent information on the quality of bathing areas via publication in the press, the posting of information at bathing sites and by radio broadcasts.

Infringement procedure

Following the Court of Justice's judgment of 12 February 1998 concerning the poor quality of freshwater bathing areas in Spain, the Commission decided to send a letter of formal notice, as provided for in Article 228 of the Treaty.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		38	2	3	31	0	163	1 425	1 624
NEW	65	in and o		3			4	58	65
Ban	4	Activity in	2			inina 2		2	4
NS	4	3				ALMON A		1	1
NC	30				10		11	9	30
Freq	0	Sant is							C
C (I)	192	4			8	AND A	105	75	188
C (G)	1 367	31			13	Taran and	43	1 280	1 336
ot. 98	1 597	38	2	0	31	0	159	1 367	

Coastal zones (ratio = 1.5; stability = 89.6 %)

The ratio is 1.5, which reflects an improvement in the average quality of the coastal bathing areas compared with the previous bathing season. This was mainly due to the fact that almost 40 % of the bathing areas complying with the mandatory values were also brought into line with the stricter guide values during the 1999 bathing season. Curiously, 31 bathing areas complying with the guide values were withdrawn.

Spain is the only Member State still taking into account bathing areas which were not sampled and therefore failed to comply with the mandatory values. Curiously, the four bathing areas not sampled during the 1998 bathing season were not the same as the areas listed for the 1999 bathing season.

The stability index is 89.6 %, which is fairly high. This is a positive aspect, all the more so in view of the considerable number of coastal bathing areas taken into account.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	34	10	21	5	23	1	95	68	213
NEW	8	\$ 55	2			THE CONTRACTOR	4	2	8
Ban	1	2000				22472	1		1
NS	4	1	1				2		3
NC	51	5	15		14		12	5	46
Freq	2	1				1			1
C (1)	81	2	1	5	6	1000	60	7	79
C (G)	76	1	2		3		16	54	75
Tot. 98	215	10	19	5	23	1	91	66	

Freshwater zones (ratio = 0.8; stability = 62.9 %)

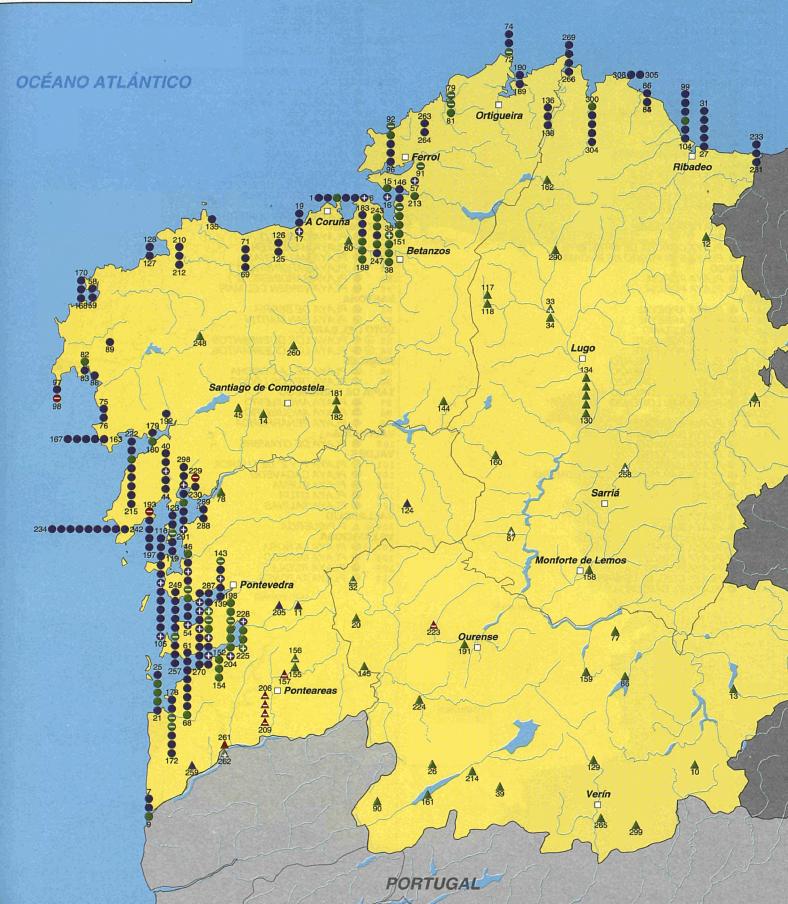
The ratio is 0.8, which reflects a deterioration in the average quality of the bathing areas compared with the 1998 bathing season. This is highlighted by the particularly low stability index: 37.1 % of the bathing areas changed status compared with the previous bathing season, with most of them, unfortunately, heading towards lower freshwater quality as the ratio indicates. Consequently, large numbers of fairly erratic changes heading towards lower bathing water quality can be observed. Bathing was prohibited in a large number of bathing areas during the 1999 bathing season.

It must be added that, apart from the unsampled bathing areas, one bathing area was still listed as insufficiently sampled for the 1999 bathing season. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that bathing areas which were insufficiently sampled during the previous bathing season were still insufficiently sampled during the 1999 season.

E 1

		ESPANA
A CORUNA 1 PLAYA ORZAN	98 ⊝ ● PLAYA SARDINEIRO FOZ	201 PLAYA COVELO 202 PLAYA FONTEMAIOR
2 PLAYA ORZAN 3 PLAYA OZA OU LAZARETO	99 • PLAYA AREA LONGA 100 • PLAYA AREOURA	203 PLAYA LAÑO 204 D PLAYA RAXO
4 PLAYA RIAZOR 5 PLAYA RIAZOR	101 PLAYA LLAS 102 PLAYA PAMPILLOSA	PONTE CALDELAS 205 A R.VERDUGO
6 PLAYA SAN AMARO A GARDA	103 • PLAYA PEIZAS 104 • PLAYA RAPADOIRA	PONTEAREAS 206 A R.TEA
7 PLAYA A GUARDA (CARREIRO) 8 PLAYA AREA GRANDE 9 PLAYA O MUNO (CAMPOSANCOS)	GROVE 105 ⊕ SLA DE A TOXA: PLAYA A TOXA 106 ● PLAYA A LANZADA	206 ⊝ ▲ R.TEA 207 ⊝ ▲ R.TEA 208 ⊝ ▲ R.TEA 209 ⊝ ▲ R.TEA
9 PLAYA O MUINO (CAMPOSANCOS) A GUDINA 10 A REGATO RIVEIRA	106 • PLAYA A LANZADA 107 • PLAYA A LANZADA 108 • PLAYA A LANZADA	PONTECESO 210 PLAYA ARNELA
A LAMA 11 A R.VERDUGO	109 • PLAYA AREA DA CRUZ 110 • PLAYA AREA GRANDE	211 PLAYA BALARES 212 PLAYA O OSMO
A PONTENOVA 12 A R.EO	111 @ PLAYA BARROSA 112 PLAYA CASTINEIRA	PONTEDEUME 213 PLAYA BER
A VEIGA 13	113 PLAYA MEXILLOEIRA 114 PLAYA O CARREIRO	PORQUEIRA 214 A R.CIRVIDA
AMES 14 ▲ R.TAMBRE	115 • PLAYA O ESPIÑO 116 • PLAYA PAXAREIRAS	PORTO DO SON 215 PLAYA AGUIEIRA
ARES 15 PLAYA ARES	GUITIRIZ	216 PLAYA AGUIEIRA 217 PLAYA ARNELA
16 (4) PLAYA SESELLE ARTEIXO	117 A R.ESCADERAS 118 A R.PARGA ILLA DE AROUSA	218 • PLAYA CAVEIRO 219 • PLAYA COIRA
17 🕣 🌑 PLAYA BARRAÑAN 18 💮 PLAYA BARRAÑAN	119 PLAYA AREA DA SECADA 120 PLAYA ARNELA	220 PLAYA ORNANDA 221 PLAYA ORNANDA
19 PLAYA VALCOBO AVION	121 © PLAYA CABO DEIRO 122 PLAYA CAMAXE	PUNXIN
20 A R.VALDERIAS BAIONA	LALIN PLAYA O VAO	223 © A R.BARBANTINO RAMIRAS
21 PLAYA BARBEIRA 22 PLAYA CONCHEIRA	124 A R.DEZA LARACHA	224 A R.ARNOIA REDONDELA
23 PLAYA LADEIRA 24 PLAYA RIBEIRA	125 • PLAYA CAION 126 • PLAYA CAION	225 • PLAYA AREALONGA 226 PLAYA CESANTES
25 PLAYA SANTA MARTA BANDE	127 PLAYA LAXE	227 PLAYA CESANTES 228 PLAYA CESANTES
26 A E.LAS CONCHAS BARREIROS	128 PLAYA LAXE	RIANXO 229 © PLAYA A TORRE 230 PLAYA TANXIL
27 PLAYA AS PASADAS 28 PLAYA REMIOR	LUGO A RAMAS	RIBADEO
29 PLAYA SAN BARTOLO-ALTAR 30 PLAYA SAN MIGUEL REINANTE	130 A R.MIÑO 131 A R.MIÑO	231 PLAYA AS CATEDRAIS 232 PLAYA OS BLOQUES
BEARIZ	132 ▲ R.MIŅO 133 ▲ R.MIŅO 134 ▲ R.MIÑO	233 PLAYA OS CASTROS RIBEIRA
32 ○ ▲ R.MAGROS BEGONTE	MALPICA	234 PLAYA AREA SECADA 235 PLAYA CASTRO 236 PLAYA CASTRO
33 ⊕ ≜ R.LADRA 34 ≜ R.LADRA	135 PLAYA PRAIA MAIOR MAÑON 135 PLAYA PARES	236 PLAYA COROSO 237 PLAYA COROSO 237 PLAYA EFEREIRA
BERGONDO 35 ⊕ PLAYA GANDARIO 36 ⊕ PLAYA GANDARIO	136 PLAYA BARES 137 PLAYA BARES	238 PLAYA FERREIRA 239 PLAYA PRADO
36 PLAYA GANDARIO 37 PLAYA PEDRIDO 38 PLAYA PEDRIDO	138 PLAYA ESTEIRO MARIN	240 PLAYA RIO AZOR 241 PLAYA VILAR
BLANCOS (OS)	139 PLAYA AGUETE 140 PLAYA AGUETE	SADA BLAVA CIERCO
39 ▲ R.EIROA BOIRO 40 ● PLAYA BARRAÑA	141 ⊕ PLAYA LOIRA 142 ● PLAYA MOGOR 143 ⊝ PLAYA PORTOCELO	243
41 • PLAYA BARRAÑA	MELIDE	245 • PLAYA SADA 246 • PLAYA SADA 247 • PLAYA SAN PEDRO DE VEIGUE
42 ⊕ PLAYA BARRAÑA ■ PLAYA CARRAGUEIROS 44 ■ PLAYA MAÑONS	144 ≜ R.ULLA MELON 145 ≜ R.CERVES	SANTA COMBA
BRION 45 A R.TAMBRE	MIÑO	SANXENXO
BUEU 46 PLAYA AGRELO	146	249
47 PLAYA AREA DO BON 48 PLAYA BELUSO	149 PLAYA PERBES 150 PLAYA PERBES	252 PLAYA CANELINAS 253 PLAYA MONTALVO
49 PLAYA LAGOS 50 PLAYA LAPAMAN	151 PLAYA PONTE DO PORCO	254 O PLAYA PANADEJRA 255 PLAYA PAXARINAS
51 PLAYA LOUREIRO 52 PLAYA MOURISCA	152 PLAYA CON	256 PLAYA SILGAR 257 PLAYA SILGAR
53 PLAYA PORTOMAIOR 54 PLAYA TUIA	153 PLAYA TIRAN 154 PLAYA XUNQUEIRA MONDARIZ	SARRIA 258 🛖 🛦 R.SARRIA
BURELA 55 PLAYA ARTIFICIAL	155 ▲ R.TEA 156 ⊝ ▲ R.TEA	TOMÍÑO 259 A R.MIÑO
56 PLAYA MAROSA CABANAS	MONDARIZ BALNEARIO 157 ⊝ ▲ R.TEA	TRAZO 260 ▲ R.TAMBRE
57 @ PLAYA A MAGDALENA CAMARIÑAS	MONFORTE DE LEMOS 158 A R.CABE MONTEDERRAMO	TUI
58 PLAYA AREA DA VILA 59 PLAYA LINGUNDE	159 A R.MAO	261 ▲ R.MIÑO 262 ⊕ ▲ R.MIÑO VALDOVIÑO
CAMBRE 60 ▲ E.CECEBRE	MONTERROSO 160 A R.ULLA	263 PLAYA FROUXEIRA 264 PLAYA MEIRAS
CANGAS 61 PLAYA AREA BRAVA 62 PLAYA AREA COVA	MUIÑOS 161 A E.LAS CONCHAS	VERIN 265 ▲ R.TAMEGA
63 PLAYA AHEA MILLA	MURAS 162 A R.EUME	VICEDO 266 ● PLAYA ABRELA 267 ● PLAYA AREAGRANDE
64 PLAYA ARNELA 65 PLAYA BARRA	MUROS 163 PLAYA ANCORADOIRO-LARIÑO	268 PLAYA AREALONGA
66 PLAYA LIMENS 67 PLAYA MENDUIÑA	164 PLAYA ESTEIRO 165 PLAYA O CASTELO	VIGO
68 PLAYA RODEIRA CARBALLO	165 PLAYA O CASTELO 166 PLAYA SAN FRANCISCO 167 PLAYA SAN FRANCISCO	270 ISLAS CIES: PLAYA CARRACIDO 271 ISLAS CIES: PLAYA FIGUEIRAS 272 ISLAS CIES: PLAYA RODAS
69 PLAYA BALDAIO 70 PLAYA LAGUNA BALDAIO 71 PLAYA RAZO	MUXIA 168 PLAYA DA CRUZ 169 PLAYA LAGO 170 PLAYA OS MUIÑOS	272 • ISLAS CIES: PLAYA RODAS 273 • PLAYA A FONTE
CARINO	170 PLAYA OS MUIÑOS NAVIA DE SUARNA	275 PLAYA ALCABRE
72 ○ ● PLAYA CARIÑO 73 ● PLAYA CARIÑO 74 ● PLAYA FORNOS	171 A R.NAVIA NIGRAN	277 G PLAYA CANIDO
CARNOTA	172 PLAYA AMERICA 173 PLAYA AMERICA	272
75 PLAYA CARNOTA 76 PLAYA O PINDO CASTRO CALDELAS	174 ● PLAYA MADORRA 175 ⊝ ● PLAYA PANXON	281 PLAYA SAIANES 282 PLAYA SAMIL
77 A R.EDO	176 PLAYA PANXON	282
78 A R.ULLA	177 PLAYA PATOS 178 PLAYA PATOS NOIA	285 PLAYA SAMIL 286 PLAYA SANTA BAIA
79	179 PLAYA BOA 180 PLAYA TESTAL	
B1 PLAYA AREALONGA CEE	O PINO 181 A R.TAMBRE	288 PLAYA A CONCHA 289 PLAYA COMPOSTELA
82 PLAYA A CONCHA 83 PLAYA ESTORDE	182 A R.TAMBRE OLEIROS	VILALBA 290 ≜ <i>R.MAGDALENA</i> VILANOVA DE AROUSA
CERVO 84 PLAYA CUBELAS 85 PLAYA TORNOS	183 PLAYA BASTIAGUEIRO 184 PLAYA BASTIAGUEIRO	VILANOVA DE AROUSA 291 ⊕ ● PLAYA A BRAÑA (CARCELEIRA)
CHANDREXA DE QUEIXA	185 PLAYA MERA 186 PLAYA SANTA CRISTINA	291 ① PLAYA A BRAÑA (CARCELEIRA) 292 PLAYA AS PATIÑAS 293 PLAYA AS SINAS 294 PLAYA AS SINAS
86 A R.RABAL CHANTADA	188 PLAYA SANTA CRUZ (PORTO)	295 PLAYA AS SINAS
87 ⊕ ▲ R.ASMA CORCUBION	ORTIGUEIRA 189 PLAYA ESPASANTE	296 • PLAYA BINCO DO PORCO 297 • PLAYA TERRON 298 • PLAYA TERRON
88 PLAYA QUENXE	OURENSE	VILARDEVOS
89 PLAYA EZARO ENTRIMO	191 A R.MIÑO OUTES	299 A R.ARZOA
90 A R.CASAL FENE	POBRA DO CARAMINAL	300 PLAYA CELEIRO 301 PLAYA DE AREA 302 PLAYA DE COVAS 303 PLAYA DE COVAS
91 © PLAYA ALMIEIRAS FERROL	193 © PLAYA AREAL 194 PLAYA CABIO 195 PLAYA CABIO	302 PLAYA DE COVAS 303 PLAYA DE COVAS
92 © PLAYA A GRAÑA 93 PLAYA CARANZA	196 PLAYA CABIO	XOVE
94 PLAYA COVAS 95 PLAYA DONINOS	197 PLAYA CORNA POIO	305 PLAYA ESTEIRO 306 PLAYA LAGO
96 PLAYA SAN XURXO FISTERRA	198 PLAYA CABECEIRA 199 PLAYA CANTEIRA	
97 PLAYA LANGOSTEIRA	200 © PLAYA CHANCELAS	





ALFOZ DE LLOREDO

1 PLAYA DE COBRECES ARNUERO PLAYA DE LA ARENAPLAYA DE QUEJO BAREYO PLAYA DE AJO CARAVIA PLAYA ARENAL DE MORIS PLAYA DE LA ESPASA CARREÑO CASTRILLON CASTRO-URDIALES PLAYA ARENILLAS
 PLAYA BRAZOMAR
 PLAYA DE OSTENDE
 PLAYA ORIÑON 18 20 CASTROPOL PLAYA ARNAOPLAYA PEÑARRONDA 22 PLAYA COMILLAS CUDILLERO PLAYA CONCHA DE ARTEDO
 PLAYA SAN PEDRO DE BOCAMAR 30 **EL FRANCO** PLAYA PORCIA
 PLAYA PORCIA GIJON GOZON GOZON

43 PLAYA BAÑUGUES

44 PLAYA BAÑUGUES

45 PLAYA DE XAGO

46 PLAYA DE XAGO

47 PLAYA LUANCO

48 PLAYA SAN PEDRO DE ANTROMERO

49 PLAYA VERDICIO

50 PLAYA VERDICIO LAREDO PLAYA SALVE
 PLAYA SALVE 51 LLANES

PLAYA BARRO
PLAYA BORIZO
PLAYA BORIZO
PLAYA BORIZO
PLAYA CUEVAS DE MAR

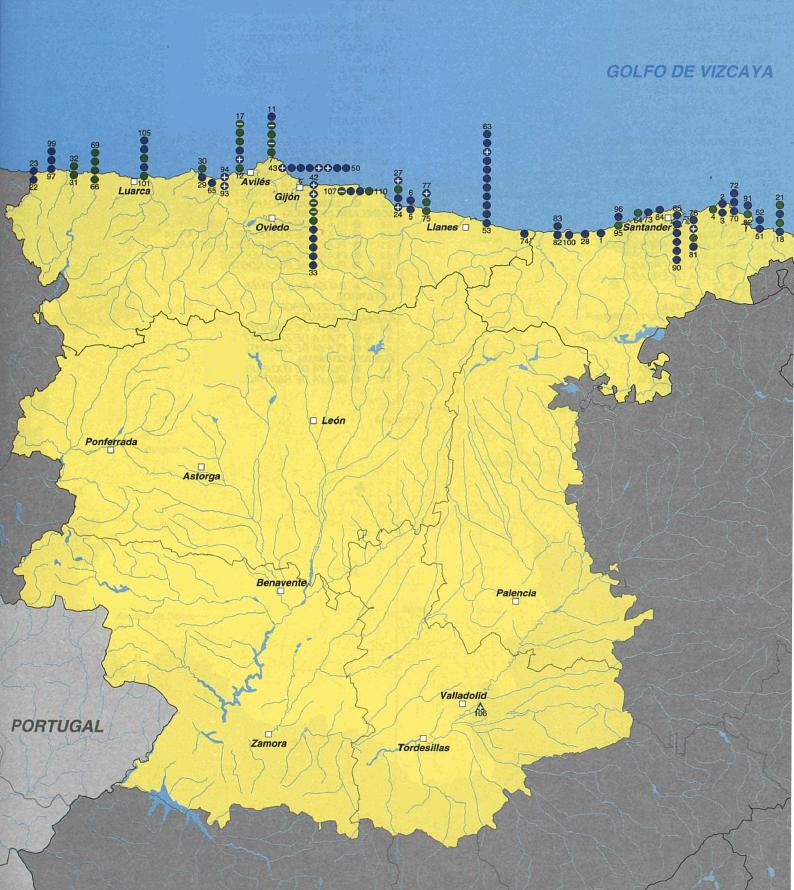
PLAYA EL SABLON

54 55

 PLAYA LAS CAMARAS 58 PLAYA PALOMBINA
59 PLAYA PALOMBINA
60 PLAYA POO
61 ⊕ PLAYA SAN ANTOLIN
62 PLAYA TORANDA (NIEMBRO)
63 PLAYA TORO MIENGO PLAYA DE MOGRO MUROS DE NALON 65 PLAYA AGUILAR NAVIA PLAYA FREJULFE
PLAYA FREJULFE
PLAYA NAVIA
PLAYA NAVIA 66 68 69 NOJA PLAYA DEL RISPLAYA DEL RISPLAYA TREGANDIN 70 **PIELAGOS** PLAYA DE LIENCRES RIBADEDEVA
74 PLAYA LA FRANCA 74 PLAYA LA FRANCA
RIBADESELLA
75 PLAYA SANTA MARINA
76 PLAYA SANTA MARINA
77 PLAYA VEGA
RIBAMONTAN AL MAR
78 PLAYA DE LANGRE
79 PLAYA LOREDO
80 PLAYA PUNTAL
81 PLAYA SOMO
SAN VICENTE DE LA BARQUERA
82 PLAYA SOMO
SAN VICENTE DE LA BARQUERA
82 PLAYA TOSTADERO
SANTA CRUZ DE BEZANA
84 PLAYA DE SAN JUAN DE LA CANAL
SANTANDER SANTANDER PLAYA CAMELLO
PLAYA MAGDALENA
PLAYA MATALENAS
PLAYA SARDINERO (1'
PLAYA SARDINERO (2' 86 87 88 90 PLAYA VIRGEN DEL MAR SANTONA 91 • PLAYA DE BERRIA
92 • PLAYA SAN MARTIN
SOTO DEL BARCO
93 • PLAYA LOS QUEBRANTOS
94 • PLAYA LOS QUEBRANTOS SUANCES 95 PLAYA DE LA CONCHA 96 PLAYA DE LOS LOCOS TAPIA DE CASARIEGO PLAYA ANGUILEIRO
PLAYA ANGUILEIRO
PLAYA PEÑARRONDA 98 99 VALDALIGA 100 PLAYA DE OYAMBRE VALDES PLAYA 1° Y 2° DE LUARCA
PLAYA CADAVEDO
PLAYA CUEVA
PLAYA OTUR
PLAYA SALINAS 101 102 103 104 VALLADOLID 106 ⊕ ▲ R.PISUERGA VILLAVICIOSA 107 © PLAYA LA ÑORA 108 PLAYA MISIEGO 109 PLAYA RODILES PLAYA TAZONES



MAR CANTÁBRICO



ABANTO Y CIERVANA (MUSKIZ-ZIERBENA)

1 PLAYA LA ARENA
2 PLAYA LA ARENA
3 PLAYA LA ARENA
AMESCOA BAJA ⊕ ▲ R.UREDERRA BAKIO PLAYA DE BAKIO **BERMEO** PLAYA DE ARITXATXU 11 A R.ARLANZON BURGUI BURGOS 12 ▲ R.ESCA CARCASTILLO 13 ⊝ ▲ R.ARAGON DEVA (DEBA)

14 PLAYA DE DEBA 15 PLAYA DE EA ERRO

16 A R.URROBI
ESTELLA

17 A M.AGUA SALADA
FUENTERRABIA (HONDARRIBIA)

18 PLAYA DE HONDARRIBIA

19 PLAYA DE HONDARRIBIA

6ALAB GALAR 20 ⊝ ▲ BALSA DE LA MOREA GORLIZ PLAYA DE GORLIZPLAYA DE GORLIZPLAYA DE GORLIZ 22 23 PLAYA DE GORLIZ

GUECHO (GUETXO)

24 © PLAYA DE ARRIGUNAGA

25 PLAYA DE AZKORRI

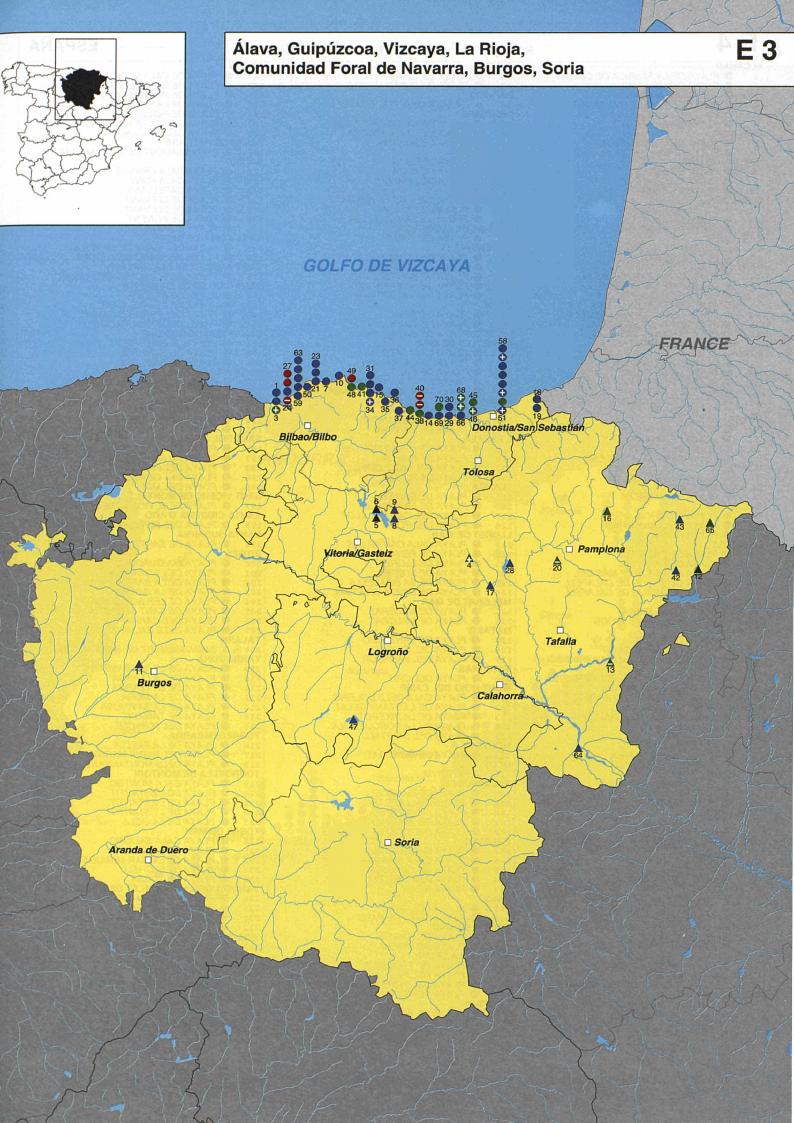
26 PLAYA DE EREAGA

27 PLAYA DE EREAGA **GUESALAZ**

34 ⊕ ● PLAYA DE LAIDA

ISPASTER PLAYA DE OGEIA 35 PLAYA DE OGEIA
LEQUEITIO (LEKEITIO)
36 PLAYA DE ISUNTZA
MENDEXA
37 PLAYA DE KARRASPIO
MOTRICO (MUTRIKU)
38 PLAYA DE MUTRIKU
39 PLAYA DE ONDARBELTZ
40 PLAYA DE SATURRARAN
MUNDACA (MUNDAKA)
41 PLAYA DE LAIDATXU
NAVASCUES
42 BARBANCO DE LA FOZ DE 42 A BARRANCO DE LA FOZ DE BENASA OCHAGAVIA 43 A R.ANDUÑA ONDARROA PLAYA DE ARRIGORRI ORIO 45 ● PLAYA DE ANTILLA 46 ⊕ ● PLAYA DE ORIBARZAR **ORTIGOSA** 49 PLAYA DE JAIVANTONIO
49 PLAYA DE TONA
PLENCIA (PLENTZIA)
50 PLAYA DE PLENTZIA
SAN SEBASTIAN (DONOSTIA)
51 PLAYA DE GROS/LA ZURRIOLA
52 PLAYA DE GROS/LA ZURRIOLA
53 PLAYA DE GROS/LA ZURRIOLA
54 PLAYA DE LA CONCHA
55 PLAYA DE LA CONCHA
56 PLAYA DE LA CONCHA
57 PLAYA DE LA CONCHA
58 PLAYA DE ONDARRETA
59 PLAYA DE ONDARRETA
58 PLAYA DE ONDARRETA
59 PLAYA DE ATXABIRIBIL-ARIETARRA
60 PLAYA DE ATXABIRIBIL-ARIETARRA
61 PLAYA DE ATXABIRIBIL-ARIETARRA
62 PLAYA DE SOLANDOTES
TUDELA TUDELA 64 A BALSA EL PULGUER UZTARROZ UZTARROZ
65 ▲ R.UZTARROZ
ZARAUZ (ZARAUTZ)
66 ● PLAYA DE ZARAUTZ
67 ⊕ ● PLAYA DE ZARAUTZ
68 ⊕ ● PLAYA DE ZARAUTZ ZUMAYA (ZUMAIA)

69 PLAYA DE ITXURUN
70 PLAYA DE SANTIAGO



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ALCANAR
 1 PLAYA DE LA FABRICA DE CIMENT
2 PLAYA DEL MARICEL
3 PLAYA DEL MARJAL
4 PLAYA LES CASES D'ALCANAR
ALTAFULLA
              PLAYA D'ALTAFULLA
 AMPOSTA
             PLAYA DE L'EUCALIPTUSPLAYA DE LA PLATJOLA
 ARENYS DE MAR

    PLAYA D'ARENYS
    PLAYA D'ARENYS
    PLAYA DE CAVAIC
                  PLAYA DE CAVAIO
 BADALONA

PLAYA DE BADALONA
PLAYA DE BADALONA
PLAYA DE BADALONA

  12
 BANYOLES
  14 ▲ ESTANY DE BANYOLES
15 ⊝ ▲ ESTANY DE BANYOLES
 BARCELONA
 BARCELONA

16 PLAYA DE LA BARCELONETA

17 PLAYA DE LA BARCELONETA

18 PLAYA DE LA MAR BELLA

19 PLAYA DE LA NOVA ICARIA

20 PLAYA DE LA NOVA MAR BELLA

21 PLAYA DE SANT SEBASTIA

22 PLAYA DE SANT SEBASTIA
              PLAYA DEL BOGATELL
 BEGUR
             PLAYA D'AIGUABLAVA
PLAYA D'ILLA ROJA
PLAYA DE SA RIERA
PLAYA DE SA TUNA
PLAYA DEL RACO
  25
  26
  27
  28
              PLAYA FONDA
 BLANES

PLAYA DE BLANES
PLAYA DE SABANELL
PLAYA DE SABANELL

  31

PLAYA DE SABANELL
PLAYA DE SANT FRANCESC

 BORREDA
             A RIERA DE MERLES
 CABRERA DE MAR
 35 PLAYA DE CABRERA CADAQUES

PLAYA D'EN ROS
PLAYA ES LLANE GRAN
PLAYA GRAN
  37
 CALAFELL

PLAYA DE CALAFELL
PLAYA DE CALAFELL
PLAYA DE L'ESTANY-MAS MEL
PLAYA DE SEGUR DE CALAFELL
PLAYA DE SEGUR DE CALAFELL
PLAYA DE SEGUR DE CALAFELL
  40
 CALDES D'ESTRAC

44 PLAYA DE LA RIERA
45 PLAYA DELS TRES MICOS
CALELLA

46 PLAYA DE GARBI

47 PLAYA DE LES ROQUES

48 PLAYA GRAN DE CALELLA

PLAYA DE CRISTUS-SES TORRETES
PLAYA DE SANT ANTONI
PLAYA DE TORRE VALENTINA
PLAYA DE TORRE VALENTINA
 A R.SEGRE
CAMBRILS

4 PLAYA DE L'ARDIACA

55 PLAYA DE L'ESQUIROL

56 PLAYA DE LA DORADA

57 PLAYA DE LA LLOSA

58 PLAYA DE VILAFORTUNY

59 PLAYA DEL PRAT D'EN FORES

60 PLAYA HORTA DE SANTA MARIA
CANET DE MAR
61 PLAYA DE CANET
62 PLAYA DE CAVAIO
CASTELL-PLATJA D'ARO
63 PLAYA CALA ROVIRA
64 PLAYA D'ARO
65 PLAYA D'ARO
66 PLAYA DE SA CONCA
CASTELLDEFELS
PLAYA DE CASTELLE

PLAYA DE CASTELLDEFELS
PLAYA DE CASTELLDEFELS
PLAYA DE CASTELLDEFELS
PLAYA DE CASTELLDEFELS
  69
 70 PLAYA DE CASTELLDEFELS
CASTELLO D'EMPURIES
 71 PLAYA D'EMPURIABRAVA
72 PLAYA DE CAN COMES
73 PLAYA DE LA RUBINA
CLARIANA DE CARDENER
 74 ⊕ ▲ EMBASSAMENT DE SANT PONÇ
COLERA
 75 PLAYA D'EN GOIXA
76 PLAYA DE GARBET
CONCA DE DALT
 77 

A EMBASSAMENT DE SANT ANTONI CREIXELL

    PLAYA DE CREIXELL
    PLAYA DE CREIXELL

 CUBELLES

    PLAYA DE LA MOTA DE SANT PERE
    PLAYA LLARGA
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CUNIT 82	PLAYA	DE CUNIT
	PLAYA	DE CUNIT
	EMBAS	SSAMENT DE BOADELLA
85	PLAYA	DE LA BASSA D'ARENA
86 87	PLAYA	DE LA MARQUESA DE RIUMAR
EL MASN		D'OCATA
89 0	PLAYA	D'OCATA DEL MASNOU
EL PERE	LLO	
91	PLAYA	CALA DE LA BUENA DE L'ALIGA
EL PRAT	DE LLC	DE SANTA LLUCIA DBREGAT
94 EL VEND		DEL PRAT
95 96		DE COMA-RUGA DE COMA-RUGA
97	PIAYA	DE SANT SALVADOR DE SANT SALVADOR
99	PLAYA	DEL FRANCAS
GAVA 100		DE GAVA
102 🕀 🌑	PLAYA	DE GAVA DE GAVA
L'AMETL 103		MAR CALAFATO
104 • 105 •	PLAYA	DE CALA FORN DE L'ALGUER
106	PLAYA	DE PIXAVACUES
L'AMPOL	LA	DE S.JORDI D'ALFAMA
108		CAP ROIG D'AVELLANERS
110 D L'ESCAL		DE L'ARENAL
	PLAYA	DE LES MUSCLERES DE RIELLS
113	PLAYA	DEL MOLL GREC
114 ⊖ ● LLANÇA		LA PLATJA
115 • 116 •	PLAYA	DE GRIFEU DE LA FARELLA
117 • 118 •		DEL CAU DEL LLOP DEL PORT
LLORET	DE MAR	
120	PLAYA	DE FENALS
121	PLAYA	DE LLORET DE LLORET
123 • 124 •	PLAYA PLAYA	DE SA BOADELLA DE SANTA CRISTINA
MALGRA	T DE M	AR DE MALGRAT
126 MATARO	PLAYA	DE MALGRAT
127	PLAYA	DE SANT SIMO
129	PLAYA	DEL CALLAO DEL VARADOR
MONT-RA		DEL CRIT
MONT-RO	PLAYA	CALA DELS DOLEINS
132 • 133 •	PLAYA	DE L'ESTANY GELAT DE LA PIXEROTA
134	PLAYA	DE LA PORQUEROLA DEL CRISTALL
MONTGA	T	
OLOT		DE MONTGAT
137 ▲ PALAFRU	R.FLU\ JGELL	/IA
	PLAYA	DE CANADELL DE LLAFRANC
140	PLAYA	DE PORT BO DE TAMARIU
142	PLAYA	DEL GOLFET
PALAMO 143	PLAYA	CALA ESTRETA
144 • 145 •		CALA MARGARIDA DE LA FOSCA
146	PLAYA PLAYA	DEL CASTELL
PALS		
149	PLAYA	DEL GRAU GRAN DE PALS
PINEDA I		DE PINEDA
	PLAYA	DE PINEDA
152	PLAYA	DE TAMARIUA DEL PAS
154	PLAYA	DEL PORT DE LA SELVA
PORTBO	U	PORT DE LA VALL
PREMIA I	DE MAF	
157	PLAYA	DE LLEVANT DEL PLA DE L'OS
RODA DE	BARA	
		DE LA COSTA DAURADA

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ROSES
  ROSES
162 PLAYA DE CALA MONTJOI
163 PLAYA DE CANYELLES PETITES
164 PLAYA DE L'ALMADRAVA
165 PLAYA DE LA PUNTA
166 PLAYA DE ROSES
167 PLAYA DE SANTA MARGARIDA
168 PLAYA DELS PALANGRES
SALAS DE PALLARS
169 A EMBASSAMENT DE SANTANTON
    169
                          ▲ EMBASSAMENT DE SANT ANTONI
   SALOU
  SANT ADRIA DE BESOS

177 PLAYA DEL CAMP DE LA BOTA

178 PLAYA DEL PARC DEL LITORAL

SANT ANDREU DE LLAVANERES
178 PLAYA DEL PARC DEL LITORAL
SANT ANDREU DE LLAVANERES
179 PLAYA DE S. ANDREU DE LLAVAN.
SANT CARLES DE LA RAPITA
180 PLAYA DE L'ALUET
181 PLAYA DE LES DELICIES
182 PLAYA DEL PARC DE GARBI
183 PLAYA DEL PARC DE GARBI
184 PLAYA DE SANT FELIU
185 PLAYA DE SANT FOL
186 PLAYA DE SANT POL
SANT JAUME D'ENVEJA
187 PLAYA DEL MIGJORN
188 PLAYA DEL SERRALLO
SANT PERE PESCADOR
189 PLAYA DE SANT PERE PESCADOR
190 PLAYA DE SANT PERE PESCADOR
191 PLAYA DE SANT POL
194 PLAYA DE LA PLATJOLA I EL MORE
193 PLAYA DE LA PLATJOLA I EL MORE
194 PLAYA DEL FARELL
195 PLAYA DEL FARELL
195 PLAYA DEL GRAU
196 PLAYA DEL MOLI
SANT VICENÇ DE MONTALT
SANTA CRISTINA D'ARO
198 PLAYA DEL SENYOR RAMON
SANTA SUSANNA
199 PLAYA DE SANTA SUSANNA
    SANTA SUSANNA
                         PLAYA DE SANTA SUSANNA
    SITGES

PLAYA D'AIGUADOLC
PLAYA DE L'ESTANYOL
PLAYA DE LA BARRA
PLAYA DE LA RIBERA
PLAYA DE LES BOTIGUES
PLAYA DE SANT SEBASTIA
PLAYA DE CARPRAE
   200
   201
   202
   203
   205
                         PLAYA DEL GARRAFPLAYA DELS BALMINS
   206
   207
    TALARN
                                   EMBASSAMENT DE SANT ANTONI
   208 ⊕ ▲ EMB
TARRAGONA
                       AGONA

PLAYA DE L'ARRABASSADA

PLAYA DE LA LLARGA

PLAYA DE LA LLARGA

PLAYA DE LA MORA

PLAYA DE LA SAVINOSA

PLAYA DE TAMARIT

PLAYA DEL MIRACLE
   209
   210
   212
   214
 TORREDEMBARRA
216 • PLAYA DE LA PAELLA
217 • PLAYA DE LA BARRI MARITIM
218 • PLAYA DELS MUNTANYANS
218 • PLAYA DELS MUNTANYANS
  TORROELLA DE MONTGRI
219 PLAYA DELS MUNTANY
TORROELLA DE MONTGRI
219 PLAYA DE L'ESTARTIT
221 PLAYA DE L'ESTARTIT
222 PLAYA DE L'ESTARTIT
223 PLAYA DE LA GOLA
TOSSA DE MAR
  TOSSA DE MAR

224 PLAYA CALA SALIONÇ

225 PLAYA DE GIVEROLA

226 PLAYA DE LA MAR MENUDA

227 PLAYA DE LLORELL

228 PLAYA DE TOSSA

VANDELLOS-L'HOSPITALET DE L'INFANT

229 PLAYA DE L'ALMADRAVA

330 PLAYA DE L'ARENAL

231 PLAYA DE L'APUNTA DEL RIU

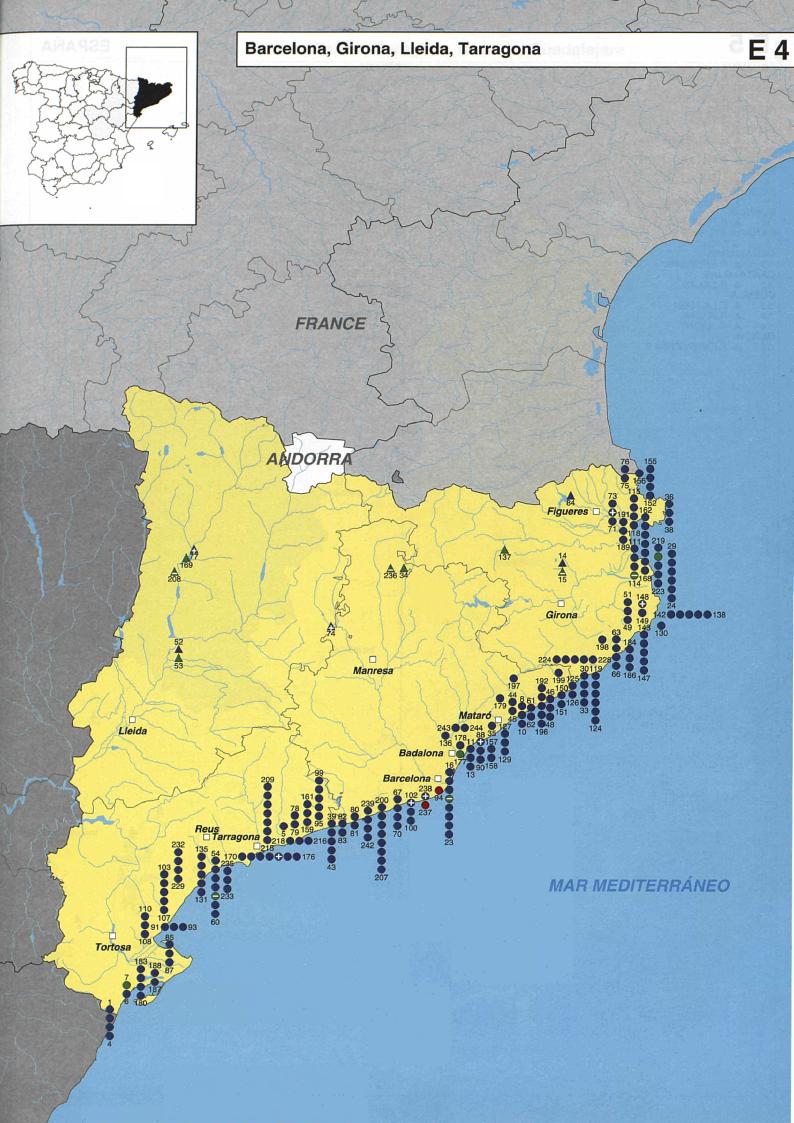
232 PLAYA DE LORN
   232 PLAYA DEL TORN VILA-SECA

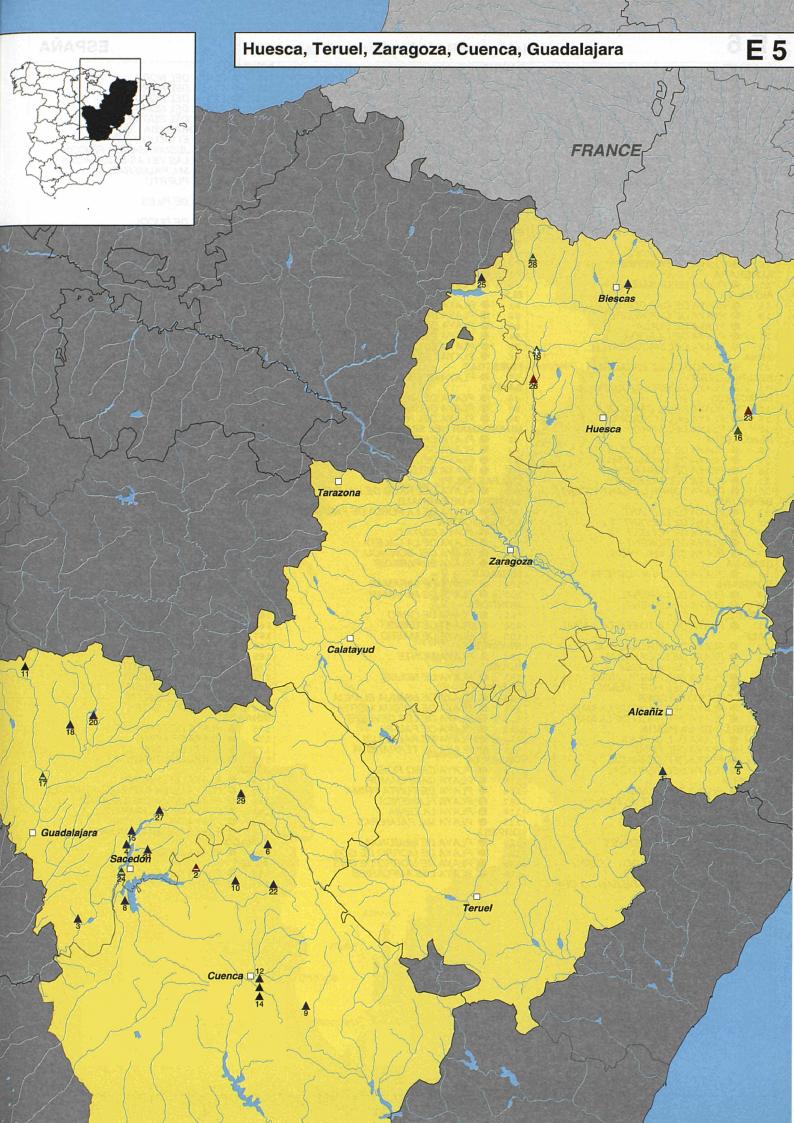
    PLAYA DE LA PINEDA
    PLAYA DEL RACO
    PLAYA DELS PRATS

   234
   VILADA
                         ▲ EMBASSAMENT DE LA BAELLS
    VILADECANS
  VILADECANS
237 PLAYA DE VILADECANS
238 PLAYA DE VILADECANS
VILANOVA I LA GELTRU
239 PLAYA DE RIBES-ROGES
240 PLAYA DE SANT GERVASI
241 PLAYA DEL FAR DE S. CRISTOFOL
242 PLAYA LLARGA D'IBERSOL
   VILASSAR DE MAR
243 PLAYA DE VILASSAR
244 PLAYA DE VILASSAR
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PLAYA DE LA PUNTA DEL GUINEU

PLAYA RODA DE BARA





ALACANT 1
PLAYA DE L'ALBUFERETA PLAYA DE SANT JOAN PLAYA DE SANT JOAN PLAYA DEL POSTIGUET PLAYA DEL POSTIGUET PLAYA DEL POSTIGUET PLAYA DEL SALADAR PLAYA DEL SALADAR PLAYA DEL SALADAR PLAYA DE LA PATACONA PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) PLAYA DE LA ROMANA PLAYA DEL MORO PLAYA DEL MORO PLAYA DEL CARREGADOR PLAYA LES FONTS PLAYA MANYETES ALMASSORA PLAYA DE BEN AFELI PLAYA DE LA TORRE ALMENARA PLAYA DE CASABLANCA
3 PLAYA DE SANT JOAN 4 PLAYA DE SANT JOAN 5 PLAYA DEL POSTIGUET 6 PLAYA DEL POSTIGUET 7 PLAYA DEL SALADAR ALBORAIA 8 PLAYA D'ALBORAIA 9 PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) 10 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA DEL MORO 12 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
4 PLAYA DE SANT JOAN 5 PLAYA DEL POSTIGUET 6 PLAYA DEL POSTIGUET 7 PLAYA DEL SALADAR ALBORAIA 8 PLAYA D'ALBORAIA 9 PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) 10 PLAYA DE LA ROMANA 11 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA EL CARREGADOR 13 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
6 PLAYA DEL POSTIGUET 7 PLAYA DEL SALADAR ALBORAIA 8 PLAYA D'ALBORAIA 9 PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) 10 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA DEL CARREGADOR 13 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
7 PLAYA DEL SALADAR ALBORAIA 8 PLAYA D'ALBORAIA 9 PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) 10 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA EL CARREGADOR 13 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
8 PLAYA D'ALBORAIA 9 PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) 10 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA EL CARREGADOR 13 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
9 PLAYA DE LA PATACONA ALCALA DE XIVERT (ALCOSSEBRE) 10 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA EL CARREGADOR 13 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
10 PLAYA DE LA ROMANA 11 PLAYA DEL MORO 12 PLAYA EL CARREGADOR 13 PLAYA LES FONTS 14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
11
12
14 PLAYA MANYETES ALMASSORA 15 PLAYA DE BEN AFELI 16 PLAYA DE LA TORRE ALMENARA 17 PLAYA DE CASABLANCA
ALMASSORA 15
15 • PLAYA DE BEN AFELI 16 • PLAYA DE LA TORRE ALMENARA 17 • PLAYA DE CASABLANCA
ALMENARA 17 • PLAYA DE CASABLANCA
17 PLAYA DE CASABLANCA
ALTEA
18 PLAYA DE CAP BLANC 19 PLAYA DE CAP NEGRET
20 PLAYA DE L'OLLA
21 PLAYA DE LA RODA 22 PLAYA DEL MASCARAT
ANNA
23 A GORGO DE LA ESCALERA
BELLREGUARD 24
BENICARLO
25 PLAYA DE LA CARACOLA 26 PLAYA DEL MORRONGO
26 PLAYA DEL MORRONGO 27 PLAYA DEL NORD
BENICASSIM
28 PLAYA DE HELIOPOLIS 29 PLAYA DE L'ALMADRAVA
30 PLAYA DE VORAMAR
31 PLAYA DELS TERRERS
32 PLAYA TORRE DE SANT VICENT BENIDORM
33 PLAYA DE LLEVANT
34 • PLAYA DE LLEVANT 35 • PLAYA DE PONENT
36 PLAYA DE PONENT
37 PLAYA DEL MAL PAS
BENISSA 38 PLAYA DE CALA FUSTERA
BORRIANA
39 PLAYA DE L'ARENAL 40 PLAYA DE L'ARENAL
CABANES
41 PLAYA DE LA TORRE DE LA SAL
CALP 42 ● PLAYA DE L'ARENAL-BOL
43 • PLAYA DE LA CALALGA
44 PLAYA DE LA FOSSA
45 PLAYA DEL CANTAL ROIG 46 PLAYA DEL PORT BLANC
CANET D'EN BERENGUER
47 PLAYA DEL RACO DE LA MAR 48 PLAYA DEL RACO DE LA MAR
CASTELLO DE LA PLANA
49 • PLAYA DEL GURUGU 50 • PLAYA DEL PINAR
50
52 PLAYA DEL SERRADAL
CULLERA 53 PLAYA CAP BLANC
54 PLAYA DE SANT ANTONI
55 ⊕ ● PLAYA DEL BROSQUIL 56 ■ PLAYA DEL DOSSER
57 PLAYA DEL DOSSER
58 PLAYA DEL MARENYET
59 PLAYA DEL RACO
60 PLAYA FI DORADO-I 'ESTANY
60

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DAIMUS
            PLAYA DE DAIMUS
 DENIA

PLAYA DE L'ALMADRAVA
PLAYA DE LES BOVETES
PLAYA DE LES DEVESES
PLAYA DE LES MARINES
PLAYA DE LES MARINES
PLAYA DE LES ROTES
PLAYA DE MARINETA CASSIANA
PLAYA DE MARINETA DE LA CET.
 64
 65
 68
 69
 70
EL PUIG
                 PLAYA BARRI DELS PESCADORS
 76
 77 PLAYA DE PLANS
78 PLAYA DE PLANS
79 PLAYA DE PUIG VAL-PLAY PUIG
79 PLAYA DE SANTA ELVIRA-TORRETA
80 DE PLAYA MEDICALIA
 ELX

PLAYA DE L'ALTET
PLAYA DE LA MARINA
PLAYA DEL PINET
PLAYA DELS ARENALS DEL SOL

 81
 82
 83

PLAYA EL CARABASSI
PLAYA LES PESQUERES-EL REBOLLO
 85
 86
 FINESTRAT

    PLAYA DE LA CALA

 GANDIA
            PLAYA DEL NORDPLAYA DEL NORDPLAYA DEL NORD
 88
 89
90 PLAYA DEL NOHD
GUARDAMAR DEL SEGURA
91 PLAYA CENTRE
92 PLAYA DE LA ROQUETA
93 PLAYA DEL MONCAIO
94 PLAYA DELS VIVERS
L'ALFAS DEL PI
95 PLAYA DEL RACO DE L'ALBIR
LA POBLA DE FARNALS
96 PLAYA DE LA POBLA DE FARN
96 ⊕ PLAYA DE LA POBLA DE FARNALS
LA VILA JOIOSA

PLAYA CIUTAT
PLAYA DE LA CALETA
PLAYA DEL BON NOU
PLAYA EL PARADIS
 97
 98
100
 MIRAMAR
101 PLAYA DE MIRAMAR
102 PLAYA DE MIRAMAR
MONCOFA

103 PLAYA DE GRAO

104 PLAYA DE GRAO

105 PLAYA DE MASBO
 NAVARRES
106 A PLAYA-MONTE
 107 ⊕ ● PLAYA DE NULES
 OLIVA
OLIVA

108 PLAYA DE L'AIGUA BLANCA

109 PLAYA DE L'AIGUA MORTA

110 PLAYA DE LES DEVESES

111 PLAYA DE PAU-PI

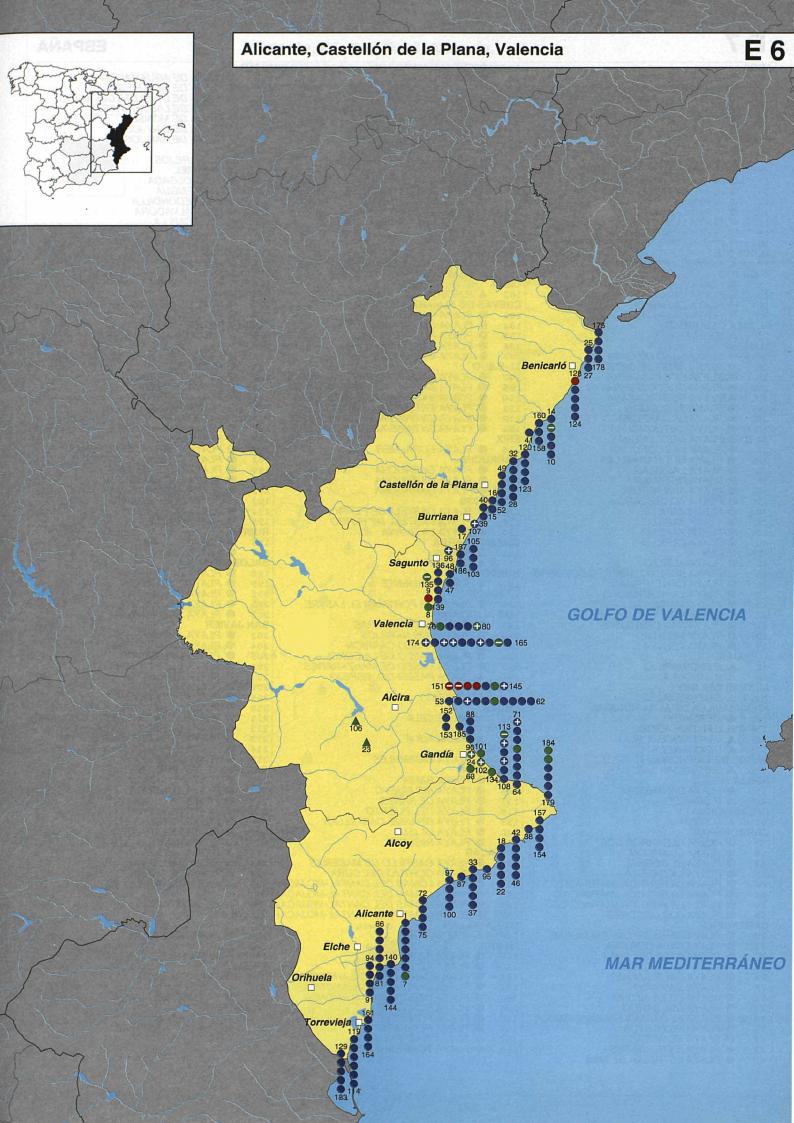
112 PLAYA DE RABDELLS

113 PLAYA DE TERRANOVA
 ORIHUELA
            ● PLAYA CABO ROIG
● PLAYA CAMPOAMOR
● PLAYA DE PUNTA PRIMA
● PLAYA FLAMENCA
114
115
116
117
118
                 PLAYA LA ZENIA
119
ORPESA
             PLAYA MIL PALMERAS

PLAYA DE LA CONXA
PLAYA DE MORRO DE GOS
PLAYA DE MORRO DE GOS
PLAYA LES AMPLARIES
                 PLAYA DE LA CONXA
120
121
122
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				LOI AIVA
	PENISC 124		DEL NORD	
			DEL NORD	
	126		DEL NORD	
	127 128	PLAYA	DEL NORD DEL SUD	
	PILAR	E LA HO	RADADA	
			EL MOJON	SHOOM
	130 131		JESUITAS-CALA LAS VILLAS-HIG	
			MIL PALMERAS	DEHICAS
	133		PUERTO	
	PILES	DIAVA	DE DII EC	
	PUÇOL	PLATA	DE PILES	
	135 ⊖ (DE PUÇOL	
	SAGUN	T	DE CORINT	
			DE CORINT	
	138		DE L'ALMARDA	
			DEL PORT DE SA	AGUNT
	SANTA 140		DE LLEVANT	
			DEL VARADOR	
٠,	142		LA GRAN PLATJ	A i
		PLAYA	TAMARIT	
	SUECA		TAMALIT	
0			BEGA DEL MAR	
	146	PLAYA	DE LES PALMER DE MARENY DE	RETES
	148		DE MOTILLA	VILALO
	149	PLAYA	DEL PERELLO	
	150 🔾	PLAYA	LA LLASTRA MARENY DE BAI	DDAQUETEC
	TARER	NES DE L	A VALL DIGNA	HAQUETES
	152 (PLAYA	DE LA GOLETA	
			TAVERNES DE L	A VALLDIGN
	TEULAI		DE L'AMPOLLA	
	155		DE L'ANDRAGO	
	156	PLAYA	DE LES PLATJE	TES
		BLANCA	DEL PORTET	
		PLAYA	DE TORRENOST	
	159		DE TORRENOST	TRA
	TORRE	PLAYA	NOND	
		PLAYA	DE LOS LOCOS	
	162		DE TORRELAMA	TA
	163		DEL CURA LOS NAUFRAGO	os
	VALEN	CIA		
	165	PLAYA	DE LA DEVESA	004
	167	PLAYA	DE LA MALVA-RO	USA
			DE PINEDO DE PINEDO	
			DEL CABANYAL	
	170 171 ⊕		DEL RECATI DEL RECATI	
		PLAYA	DEL SALER	
	173		DEL SALER	
	VINARO		DEL SALER	
		PLAYA	DE FORTI	
	176	PLAYA	DE FORTI DEL SUD	
	177 178		DEL TRIADOR	
	XABIA			
	179		DE L'ARENAL DE LA BARRACA	PORTIVOI
	180 181		DE LA CALA BLA	
	182	PLAYA	DE LA GRANADE	
	183 184		DE LA GRAVA DEL MUNTANYA	RI
	XERAC		DEL WONTANTA	
	185	PLAYA	DE XERACO	
	XILXES		DE LES CASES	
	186 187		DEL CEREZO	

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E 7

L /		ESPANA
ADRA 1 PLAYA LEVANTE 2 PLAYA PONIENTE 3 PLAYA PONIENTE 4 PLAYA PONIENTE 5 PLAYA PONIENTE 6 PLAYA PONIENTE 6 PLAYA SAN NICOLAS AGUILAS 7 PLAYA CALABARDINA 8 PLAYA CALABREONA 9 PLAYA EL HORNILLO 10 PLAYA LA CAROLINA 11 PLAYA LA COLA 12 PLAYA LA COLA 12 PLAYA LA BELICIAS 14 PLAYA LEVANTE 15 PLAYA PONIENTE 16 PLAYA PONIENTE 16 PLAYA PONIENTE 16 PLAYA PONIENTE 17 E.CUBILLAS ALBOLOTE 17 E.CUBILLAS ALBOLOTE 17 A E.CUBILLAS ALBUNOL 18 PLAYA LA RABITA 20 PLAYA LA RABITA 21 PLAYA LA RABITA 22 A RJUCAR 22 A RJUCAR 24 PLAYA CABO DE GATA 25 PLAYA CABO DE GATA 26 PLAYA COSTACABANA 27 PLAYA COSTACABANA 28 PLAYA EL ALQUIAN	83 PLAYA GALUA	NIJAR
2 PLAYA PONIENTE	85 PLAYA HONDA	160 PLAYA DE AGOAMANGA
3 PLAYA PONIENTE	86 PLAYA ISLA PLANA	161 PLAYA DE LA ISLETA DEL MORO
4 PLAYA PONIENTE	87 PLAYA ISLAS MENORES	162 PLAYA DE LAS NEGRAS
5 PLAYA PUNIENTE	88 PLAYA LAS AMULADERAS	163 PLAYA DE MONSUL
AGUILAS	90 PLAYA LEVANTE CABO PALOS	165 PLAYA DE SAN JOSE
7 PLAYA CALABARDINA	91 PLAYA LOS NIETOS	ORCERA
8 PLAYA CALARREONA	92 PLAYA LOS NIETOS	166 A R.LINAREJOS
10 PLAYA EL HORNILLO	93 PLAYA LOS UNHUTIAS	167 A LIA COLGADA
11 PLAYA LA COLA	95 PLAYA PUERTO BELLO	168 \odot A L.LA LENGUA
12 PLAYA LA HIGUERICA	96 PLAYA PUNTA BRAVA	169 ⊙ ▲ L.LA REDONDILLA
13 PLAYA LAS DELICIAS	97 PLAYA SAN GINES	170 🔾 🛦 L.LA SALVADORA
15 PLAYA LEVANTE	CASTRIL	172 A A I SAN PEDBA
16 PLAYA PONIENTE-LA COLONIA	99 A R.CASTRIL	173 A L.SANTO MORCILLO
ALBOLOTE	CAZORLA	PIEDRABUENA
17 A E.CUBILLAS	100 A R.GUADALQUIVIR	174 A H.BULLAQUE
18 PLAYA EL POZUELO	CIEZA	176 A R.BULLAQUE
19 PLAYA LA JUANA	102 ▲ R.SEGURA	POLOPOS
20 PLAYA LA RABITA	CUEVAS DE ALMANZORA	177 PLAYA CASTILLOS DE BAÑOS
ALCALA DEL ILICAR	103 PLAYA CALA PANIZO	PLIERI A DE DON RODRIGO
22 A R.JUCAR	105 PLAYA POZO ESPARTO	179 A R.GUADIANA
ALMERIA	106 PLAYA VILLARICOS	PULPI
17	107 PLAYA VILLARICOS	180 PLAYA CALA CERRADA
25 PLAYA COSTACABANA	108 PLAYA BAI FRMA-GUARDIAS VIE IAS	182 PLAYA TERREROS
26 PLAYA COSTACABANA	109 PLAYA BALERMA-GUARDIAS VIEJAS	183 PLAYA TERREROS
27 PLAYA COSTACABANA	110 PLAYA BALERMA-GUARDIAS VIEJAS	184 PLAYA TERREROS
28 PLAYA EL ALQUIAN	111 PLAYA ENTINAS/ALMERIMAR/CERR.	185 • PLAYA TERREROS
29 PLAYA LA GARROFA 30 PLAYA LAS CONCHAS	112 PLAYA ENTINAS/ALMERIMAR/CERR. 113 PLAYA ENTINAS/ALMERIMAR/CERR.	ROQUETAS DE MAR 186 PLAYA AGUADULCE
31 PLAYA LAS CONCHAS	ENIX	187 · • PLAYA AGUADULCE
32 PLAYA LAS CONCHAS	114 PLAYA EL PALMER	188 PLAYA CERRILLOS (SERENA)
33 PLAYA LAS MARINILLAS 34 PLAYA LAS OLAS	GARRUCHA	189 PLAYA CERRILLOS (SERENA)
35 PLAYA RETAMAR	116 PLAYA GARRUCHA	191 PLAYA LAS SALINAS
36 PLAYA SAN MIGUEL	117 • PLAYA GARRUCHA	192 PLAYA ROMANILLAS
37 PLAYA TORREGARCIA	GUALCHOS	193 PLAYA ROMANILLAS
38 PLAYA ZAPILLO 39 PLAYA ZAPILLO	118 PLAYA CASTELL DE FERRO	194 PLAYA HOMANILLAS
40 PLAYA ZAPILLO	120 • PLAYA LA RIJANA	RUBITE
41 PLAYA ZAPILLO	GUEJAR-SIERRA	196 PLAYA EL LANCE
ALMUNECAR 42 PLAYA ALTILLO	ENIX 114 PLAYA ENTINAS/ALMERIMAR/CERH. ENIX 114 PLAYA EL PALMER GARRUCHA 115 PLAYA GARRUCHA 116 PLAYA GARRUCHA 117 PLAYA GARRUCHA 119 PLAYA CASTELL DE FERRO 119 PLAYA CASTELL DE FERRO 120 PLAYA LA RIJANA GUEJAR-SIERRA 121 R.GENIL 122 AR.MAITENA HUESCAR 123 R.FUENCALIENTE LA UNION 124 PLAYA DE PORTMAN EL LASTRE LOS ALCAZARES 125 PLAYA LAS PALMERAS 126 PLAYA LOS NAREJOS 127 PLAYA PASEO CARRION	SALORREÑA
43 PLAYA BERENG./MUERTO/COTOBRO	HUESCAR	198 PLAYA LA GUARDIA
44 PLAYA CANTARRIJAN	123 ▲ R.FUENCALIENTE	199 PLAYA LA GUARDIA
44 PLAYA CANTARRIJAN 45 PLAYA LA HERRADURA 46 PLAYA MARINA DEL ESTE 47 PLAYA POZUELO-CALABAJIO 48 PLAYA SAN CRISTOBAL	LA UNION	200 PLAYA SALOBRENA
46 PLAYA MARINA DEL ESTE 47 PLAYA POZUELO-CALABAJIO	LOS ALCAZARES	201 PLAYA SALOBRENA 202 PLAYA SALOBRENA
48 PLAYA SAN CRISTOBAL	125 PLAYA LAS PALMERAS	SAN JAVIER
49 PLAYA VELILLA	126 PLAYA LOS NAREJOS	203 PLAYA ANTILLAS
50 PLAYA VELILLA ANDUJAR	127 PLAYA PASEO CARRION 128 PLAYA PASEO DE LA CONCHA	204 PLAYA BELLAVISTA-EL TABAL 205 PLAYA DEL GALAN
51 A E.ENCINAREJO	129 PLAYA PASEO DE MANZANARES	206 PLAYA EL PEDRUCHILLO
52 ▲ R.JANDULA	130 PLAYA PASEO DEL ESPEJO	207 PLAYA EUROVOSA I-PEDRUCHO SUR
ARENAS DEL REY 53 ⊕ ▲ E.BERMEJALES	LOS GUAJARES	208 PLAYA LA HITA 209 PLAYA LOS ALISIOS
ARGAMASILLA DE ALBA/RUIDERA	131 ▲ R.TOBA LUCAR	210 PLAYA LOS ALISIOS 210 PLAYA LOS IBICENCOS-GAVIOTAS
54 A L.DEL REY	132 A BALSA CELA	211 PLAYA PEDRUCHO-PEDRUCHO NORTE
55 ⊕ ▲ L.ENTRELAGOS	LUCIANA	212 PLAYA S. RIBERA-BARNUEVO
56 ⊝ ▲ L.LA CONCEJA 57 ⊝ ▲ L.MORENILLA	133 A R.BULLAQUE	213 • PLAYA S. RIBERA-CASTILLICO 214 • PLAYA S. RIBERA-PASEO COLON
BAÑOS DE LA ENCINA	134 PLAYA CAMBRILES	215 PLAYA VENECIOLA
58 ▲ E.RUMBLAR	MAZARRON	SAN PEDRO DEL PINATAR
BERJA 59 PLAYA BALANEGRA	135 • PLAYA BAHIA 136 • PLAYA BOLNUEVO	216 • PLAYA EL MOJON 217 • PLAYA EL MOJON
60 ⊝ ▲ R.GRANDE	137 • PLAYA DE NARES	218 PLAYA LA LLANA
CALASPARRA	138 PLAYA DEL PUERTO	219 PLAYA LA PUNTICA
61 ⊕ ▲ R.SEGURA	139 PLAYA GRANDE-CASTELLAR	220 PLAYA VILLANANITOS
CARBONERAS 62 PLAYA ALGARROBICOS	140 PLAYA LA ISLA 141 PLAYA RIGUETE	221 PLAYA VILLANANITOS SANTIAGO-PONTONES
63 PLAYA EL ANCON	MOJACAR	222 ⊝ ▲ R.GUADALQUIVIR
64 PLAYA EL CORRAL	142 PLAYA CASTILLO DE MACENAS	223 ⊝ ▲ R.GUADALQUIVIR
65 PLAYA LA GALERA 66 PLAYA LA PUNTICA (MARINICAS)	143 PLAYA CORTIJO DEL CURA 144 PLAYA LOMAS DEL CANTAL-MOJACAF	224 A R.GUADALQUIVIR
67 PLAYA LA PUNTICA (MARINICAS)	145 PLAYA LOMAS DEL CANTAL-MOJACAF	SILES
68 PLAYA LA PUNTICA (MARINICAS)	146 PLAYA LOMAS DEL CANTAL-MOJACAF	R 226 ▲ A.LOS MOLINOS
69 PLAYA LOS COCONES CARTAGENA	147 PLAYA LOMAS DEL CANTAL-MOJACAF	SORVILAN 227 • PLAYA LOS YESOS
70 PLAYA BAHIA DE LAS PALMERAS	148 ⊕ ▲ R.ALHARABE	228 • PLAYA MELICENA
71 PLAYA CALA CORTINA	MOTRIL	TREVELEZ
72 PLAYA CALA DEL PINO	149 PLAYA AZUCENAS	229 ▲ R.TREVELEZ
73 PLAYA CALA FLORES 74 PLAYA CALBLANQUE	150 PLAYA AZUCENAS 151 PLAYA CARCHUNA-CALAHONDA	VERA 230 ● PLAYA BOLAGA
75 PLAYA CAVANNAS	152 PLAYA CARCHUNA-CALAHONDA	231 PLAYA PUERTO REY-EL PLAYAZO
76 PLAYA DE LA AZOHIA	153 PLAYA CARCHUNA-CALAHONDA	232 PLAYA PUERTO REY-EL PLAYAZO
77 • PLAYA DEL BARCO 78 • PLAYA EL CARMOLI-BOCARRAMBLA	154 PLAYA PONIENTE 155 PLAYA PONIENTE	VILLACARRILLO 233 ▲ R.AGUASCEBAS
79 PLAYA EL CARMOLI-BOCARRAMBLA	156 • PLAYA PONIENTE	VILLANUEVA DEL ARZOBISPO
80 PLAYA EL VIVERO	157 PLAYA TORRENUEVA	234 A R.GUADALQUIVIR
81 PLAYA ENTREMARES 82 PLAYA ESTRELLA DE MAR	158 ⊕ ● PLAYA TORRENUEVA	ZUJAR 235 ⊕ ▲ BAÑOS DE ZUJAR
OZ OTENTA ESTRICTED DE IVIAN		DO DE DANGO DE ZOUAN



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NERJA

167 PLAYA BURRIANA

168 PLAYA CALAS OCCIDENTALES

169 PLAYA CALAS ORIENTALES (MARO)

170 PLAYA PLAYAZO

171 PLAYA TORRECILLAS

ORELLANA

PALOS DE LA FRONTERA

173 PLAYA MAZAGON-CASTILLA

174 PLAYA MAZAGON-CASTILLA

175 PLAYA MAZAGON-CASTILLA

175 PLAYA MAZAGON-CASTILLA

176 PLAYA FUENTEBRAVIA

177 PLAYA FUENTEBRAVIA

178 PLAYA FUENTEBRAVIA

179 PLAYA FUENTEBRAVIA

179 PLAYA FUENTEBRAVIA

180 PLAYA LA PUNTILLA

181 PLAYA VALDELAGRANA

182 PLAYA VALDELAGRANA **ALANIS DE LA SIERRA** PLAYA LA RADA NERJA 1 ⊕ ▲ R.SAN PEDRO ALCAUCIN PLAYA LA RADA
PLAYA PUNTA DE LA PLATA
PLAYA SALADILLO-CASASOLA 83 2 ⊕ ▲ R.ALCAZAR ALGARROBO 84 ■ PLAYA BOLICHES-GAVIOTAS
86 ⊕ PLAYA EL EJIDO-CASTILLO
87 ⊕ PLAYA EL EJIDO-CASTILLO
88 ■ PLAYA TORREBLANCA (CARVAJAL) PLAYA ALGARROBO **ALGATOCIN** 4 A R.GENAL ALGECIRAS ALGECHAS

5 PLAYA GETARES-SAN GARCIA
6 PLAYA GETARES-SAN GARCIA
7 PLAYA RINCONCILLO
8 PLAYA RINCONCILLO
ALMODOVAR DEL RIO
9 A E.LA BREÑA
ALMONTE GAUCIN R.GENAL GUILLENA ▲ LAGOS DEL SERRANO HŬELVA PLAYA ESPIGONPLAYA ESPIGONPLAYA ESPIGON 92 INTE

PLAYA MATALASCAÑAS

SERE LA FRONTERA 93 PLAYA ESPIGUN
ISLA CRISTINA
94 PLAYA ISLA CRISTINA
95 PLAYA ISLA CRISTINA
96 PLAYA ISLA CRISTINA
97 PLAYA ISLA CRISTINA
98 PLAYA ISLANTILLA
99 PLAYA ISLANTILLA
100 PLAYA LA REDONDELA
101 PLAYA LA REDONDELA
17NA.JAR PLAYA VALDELAGRANA 182 PLAY/
PUERTO REAL 183 PLAYA LA CACHUCHA 184 PLAYA RIO SAN PEDRO PUNTA UMBRIA PUNTA UMBRIA
185 PLAYA EL PORTIL
186 PLAYA ENEBRALES-LA BOTA
187 PLAYA ENEBRALES-LA BOTA
188 PLAYA ENEBRALES-LA BOTA
189 PLAYA PUNTA UMBRIA
190 PLAYA PUNTA UMBRIA
191 PLAYA PUNTA UMBRIA
191 PLAYA PUNTA UMBRIA
192 PLAYA PUNTA UMBRIA
193 PLAYA CALA DEL MORAL
194 PLAYA LOS RUBIOS
195 PLAYA RINCON DE LA VICTORIA
196 PLAYA RINCON DE LA VICTORIA
197 PLAYA TORRE BENAGALBON ARCOS DE LA FRONTERA ▲ E.ARCOS ARDALES IZNAJAR 102 ▲ E.IZNAJAR
JEREZ DE LOS CABALLEROS
103 ▲ E.BROVALES 19 ○ ▲ E.CONDE GUADALHORCE 20 ▲ E.CONDE GUADALHORCE AYAMONTE JUBRIQUE ONTE

PLAYA ISLA CANELA
PLAYA ISLA CANELA
PLAYA ISLA CANELA
PLAYA ISLA CANELA
PLAYA PUNTA DEL MORAL
PLAYA PUNTA DEL MORAL 21 JUBRIQUE

104 ▲ R.GENAL

LA LINEA DE LA CONCEPCION

105 ● PLAYA LEVANTE-EL CARMEN

106 ● PLAYA LEVANTE-EL CARMEN

107 ● PLAYA LEVANTE-EL CARMEN

108 ● PLAYA LEVANTE-EL CARMEN BARBATE PLAYA CAÑOS DE MECA
PLAYA EL CARMEN
PLAYA ZAHARA DE LOS ATUNES
PLAYA ZAHARA DE LOS ATUNES 26 197 ROTA PLAYA TORRE BENAGALBON 28 PLAYA ZAHARA DE LOS ATUNES
29 PLAYA ZAHARA DE LOS ATUNES
BENALMADENA
30 P. BILL BILL-ARROYO DE LA MIEL
31 P. BILL BILL-ARROYO DE LA MIEL
32 PLAYA FUENTE DE LA SALUD
33 PLAYA LA YUCA-ARROYOHONDO
34 PLAYA MALAPESQUERA-SANTA ANA
35 PLAYA TORREMUELLE-CARVAJAL
36 PLAYA TORREMUELLE-CARVAJAL 28 PLAYA EL CHORRILLO
PLAYA LA BALLENA
PLAYA LA COSTILLA
PLAYA LA COSTILLA
PLAYA PUNTA CANDOR LEPE 198 110 PLAYA LA ANTILLA
111 PLAYA LA ANTILLA
112 PLAYA LA ANTILLA
LOS BARRIOS 199 200 201 202 PLAYA PALMONESPLAYA PALMONESPLAYA PALMONES SAN FERNANDO PLAYA CAMPOSOTO
 PLAYA CAMPOSOTO 114 203 SAN NICOLAS DEL PUERTO
205

A RIVERA DEL HUEZNAR PLAYA TORREVIGIA-TORREQUEBRADA MALAGA PLAYA BAÑOS DEL CARMEN
PLAYA CAMPO DE GOLF
PLAYA CANDADO
PLAYA CEMENTO
PLAYA CEMENTO **BORNOS** 116 ▲ E.BORNOS SAN ROQUE SAN ROQUE

206 PLAYA GUADARRANQUE

207 PLAYA PUENTE MAYORGA

208 PLAYA PUENTE MAYORGA

209 PLAYA SOTOGRANDE

210 PLAYA TORREGUADIARO

211 PLAYA TORREGUADIARO

SANLUCAR DE BARRAMEDA CADIZ 118 DIZ

PLAYA CORTADURA
PLAYA CORTADURA
PLAYA CORTADURA
PLAYA LA CALETA
PLAYA LA VICTORIA
PLAYA LA VICTORIA
PLAYA LA VICTORIA
PLAYA SANTA MARIA DEL MAR
NTILLANA 38 119 PLAYA CHANQUETE PLAYA GUADALMAR PLAYA LA ARAÑA PLAYA LA CALETA PLAYA LA CALETA 121 122 123 43 124 PLAYA MALAGUETA PLAYA MISERICORDIA PLAYA MISERICORDIA PLAYA BAJO GUIA-CALZADA
 PLAYA BAJO GUIA-CALZADA
 PLAYA DE LA JARA 125 213 126 CANTILLANA 127 PLAYA PALO
PLAYA PEDREGALEJOS-ACACIAS
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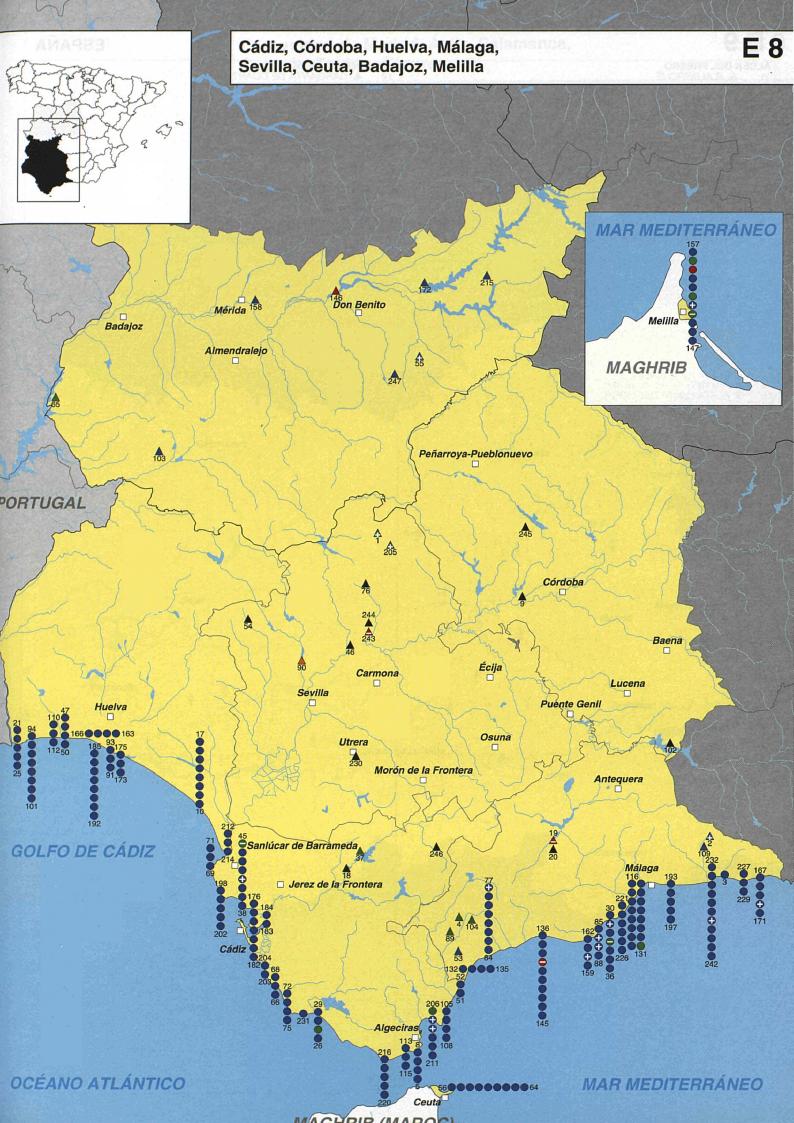
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8 A R.TAJO
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10 ▲ GARGANTA DE CUARTOS

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11 ▲ E.SANTILLANA

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12 ▲ E.ROSARITO

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13 ⊕ ▲ R.LOS ANGELES

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14 ⊕ ▲ R.JERTE

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15 ⊕ ▲ R.LOZOYA

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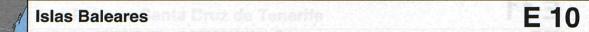
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GOLFO DE VALENCIA







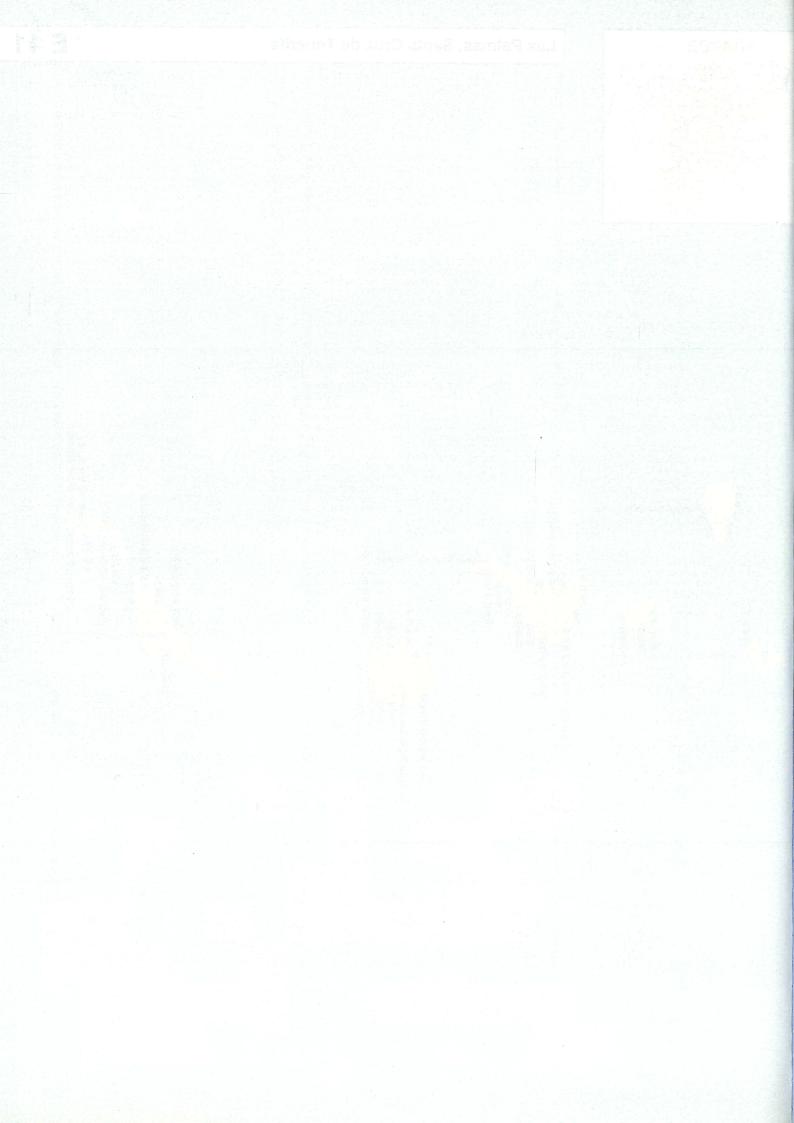
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61 I.TENERIFE:P.EL MEDANO-CHICA	135 + I.TENERIFE:P.MARTIANEZ	207 I.GOMERA:P.LA CALERA
62 • I.TENERIFE:P.EL MEDANO-L.M. 63 • I.TENERIFE:P.LA JAQUITA	136 • I.TENERIFE:P.SAN TELMO PUERTO DEL ROSARIO	208 • I.GOMERA:P.LA CALERA 209 • I.GOMERA:P.LA CALERA
64 I.TENERIFE:P.LA TEJITA	137 • I.FUERTEVENTURA:P.BLANCA	210 ⊝ ● I.GOMERA:P.VUELTAS
GUIA DE ISORA	138 • I.FUERTEVENTURA:P.LOS POZOS	VALVERDE
65 • I.TENERIFE:P.SAN JUAN GÜIMAR	SAN BARTOLOME	211 • I.HIERRO:P.EL TAMADUSTE 212 • I.HIERRO:P.LA CALETA
66 • I.TENERIFE:P.PASEO PALMERAS	140 • I.LANZAROTE:P.GUASIMETA	213 • I.HIERRO:P.TIMIJIRAQUE
67 • I.TENERIFE:P.PASEO PALMERAS	141 ⊕ ● I.LANZAROTE:P.HONDA I	YAIZA
68 I.TENERIFE:P.PASEO PALMERAS 69 I.TENERIFE:P.PUERTITO GÜIMAR	SAN BARTOLOME DE TIRAJANA	214 • I.LANZAROTE:P.BLANCA 215 • I.LANZAROTE:P.DORADA
HARIA	143 • I.GRAN CANARIA:P.BAHIA FELIZ	216 • I.LANZAROTE:P.FLAMINGO
70 • I.LANZAROTE:P.CALETA CAMPO	144 • I.GRAN CANARIA:P.EL AGUILA	217 • I.LANZAROTE:P.PUERTO MUELAS



OCÉANO ATLÁNTICO





France

No bathing water quality data for the 1999 bathing season were submitted to the European Commission due to industrial action by the staff responsible for forwarding the information to the central government level.

Nevertheless, measures to monitor bathing water quality (sampling, interpretation and dissemination of the results to the local bodies concerned and the public) and to protect bathers' health were taken throughout the 1999 bathing season and will continue during the whole of the 2000 season.

The data will be sent to the European Commission as soon as the situation permits.

General information

During the bathing season the public is kept informed of the most recent results, both at the bathing areas and at the town halls. During 2000 more than 1 200 bathing areas will be equipped with new display stands for these results plus more general information about the monitoring programme.

Despite the positive trend in the quality of wastewater treatment, particularly since the early 1990s and the entry into force of Directive 91/271/EEC concerning urban wastewater treatment, the local authorities must keep up their efforts to improve wastewater collection and the performance of their treatment plants. After all, various inquiries by the French Government into the causes of pollution at the small percentage of bathing areas classified as failing to comply (5 % in 1998) show that a quarter of these cases are due to inadequate wastewater treatment and a third are caused by spells of heavy rainfall. The French approach consists of providing beach users with information not only about the water quality but also about the causes of pollution and the remedial action in progress or planned. All this information provides a strong lever to encourage the mayors, who are responsible for wastewater treatment, to take action to combat pollution. To date about three quarters of the districts with bathing areas which failed to comply have introduced measures to combat pollution. The projects are implemented with the help of the water agencies which will contribute EUR 5 billion over the 1997–2001 period out of a total of EUR 10 billion budgeted for these schemes.

Infringement procedure

The Commission decided to initiate proceedings before the Court of Justice in Luxembourg against France for failing to monitor the 'total coliforms' parameter and for insufficient sampling.

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Ireland

1. 1999 bathing season

1 June to 31 August

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

Σ : total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

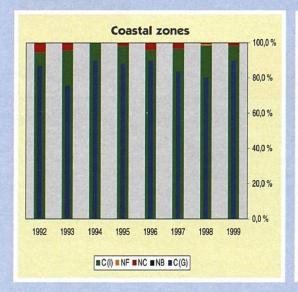
NC: percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

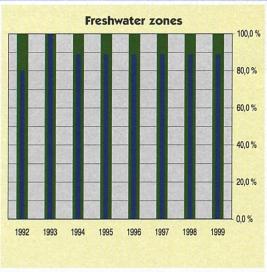
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

Ireland		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	90	94.4	86.7	0.0	5.6	0.0
	1993	90	95.6	75.6	0.0	4.4	0.0
	1994	108	100.0	89.8	0.0	0.0	0.0
	1995	108	98.1	88.0	0.0	1.9	0.0
	1996	115	95.7	89.6	0.0	4.3	0.0
	1997	115	96.5	83.5	0.0	3.5	0.0
	1998	121	98.4	80.2	0.8	0.8	0.0
	1999	121	98.3	89.7	0.0	1.7	0.0
Freshwater zone	s 1992	5	100.0	80.0	0.0	0.0	0.0
	1993	5	100.0	100.0	0.0	0.0	0.0
	1994	9	100.0	88.9	0.0	0.0	0.0
	1995	9	100.0	88.9	0.0	0.0	0.0
	1996	9	100.0	88.9	0.0	0.0	0.0
	1997	9	100.0	88.9	0.0	0.0	0.0
	1998	9	100.0	88.9	0.0	0.0	0.0
	1999	9	100.0	88.9	0.0	0.0	0.0

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 121; freshwater: 9)

No bathing areas were added or withdrawn during the 1999 bathing season, neither in the coastal nor in the freshwater zones.

4. Comments

The values observed indicate an improvement in the quality of the coastal bathing areas, despite a slight increase in the percentage failing to comply with the mandatory values from 0.8 % in the 1998 bathing season to 1.7 %. In particular, although the percentage of bathing areas complying with the mandatory values (98.3 %) remained virtually the same as in the previous bathing season, the percentage complying with the stricter guide values rose sharply from 80.2 to 89.2 % in the 1999 bathing season. Similarly, there were no longer any bathing areas which were insufficiently sampled and, as in previous seasons, once again there were no areas where bathing was prohibited.

The results for the freshwater zones were identical to those reported for the 1998 bathing season and, therefore, still extremely positive. All the freshwater bathing areas complied with the mandatory values and the percentage complying with the stricter guide values remained on 88.9 %. No bathing area was insufficiently sampled and there were none where bathing was prohibited.

5. General information

Information to the public

A national report on the quality of bathing water for the 1998 season will be published in the framework of the measures for disseminating information carried out by the Environmental Protection Agency. The national results will also be published in bulletins from the Environmental Protection Agency and the Department of the Environment and Local Government. These bulletins are widely distributed and made available to the public free of charge. Recourse to the Internet site of the Environmental Protection Agency was explored as a means of circulating a summary report on bathing water for the 1997 season. The summary report for the 1998 bathing season will also be made available on the Internet site of the Environmental Protection Agency.

Wastewater treatment

As certain bathing areas in the Dublin region present recurrent pollution problems, Ireland has informed the Commission of the authorities' intention to treat wastewater at Ringsend. This work is expected to commence in 1999.

6. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

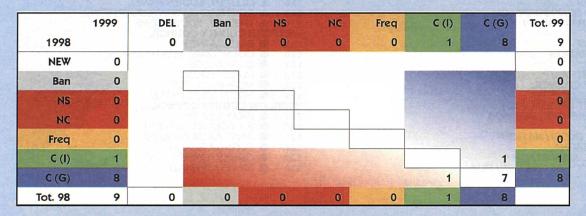
	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	TO WAR	0	0	0	2	0	11	108	121
NEW	0	9175 BZF	11.5 20.00kg	B Tall				Tell Services	0
Ban	0								0
NS	0								0
NC	1			(B) (B)	1				. 1
Freq	1						1		1
C (I)	22				1		8	13	22
C (G)	97						2	95	97
ot. 98	121	0	0	0	2	0	11	108	

Coastal zones (ratio = 4.7; stability = 86.0 %)

The ratio is 4.7, which indicates a very clear upward trend in bathing water quality during the 1999 bathing season. This ratio is coupled with a stability index which is fairly high but close to the average for coastal waters, where it seems to be easier to maintain quality from one bathing season to another than in freshwater zones.

No bathing area was insufficiently sampled. The bathing area sampled insufficiently during the 1998 bathing season was brought into line with the mandatory values laid down by the directive during the last bathing season.

Freshwater zones (TC, FC, MO, SA, PHE)



Freshwater zones (ratio = 1.0; stability = 77.8 %)

The ratio is 1.0, which suggests that the situation is unchanged compared with the previous bathing season. In fact, one of the bathing areas complying with the mandatory values laid down by the directive was also brought into line with the guide values during the 1999 bathing season, but another which had complied with the guide values during the 1998 bathing season complied with only the mandatory values during the 1999 season.

The stability index is fairly high for freshwater zones, but is of little significance in this case in view of the small number of bathing areas taken into account.

IRL

CLARE	COUNTY COUNCIL
1	BISHOPSQUARTER
2 3	D CAPPAGH PIER, KILRUSH D FANORE
4	KILKEE
5	LAHINCH
6	SPANISH POINT
7 8	WHITE STRAND, DOONBEG. WHITE STRAND, MILTOWN MALBAY.
	BALLYALLIA
10	▲ BALLYCUGGERAN
	▲ MOUNTSHANNON
	DOUNTY COUNCIL ■ BARLEY COVE
12	CLAYCASTLE
14	COOLMAINE
15 ⊕ €	FOUNTAINSTOWN
16 ⊕	
17 18	● GARRYLUCAS, WHITE STRAND ● GARRYVOE
19	INCHYDONEY
20	OWENAHINCHA
21	REDBARN
22	TRAGUMNA
23	WARREN YOUGHAL MAIN BEACH
DONEG	YOUGHAL, MAIN BEACH AL COUNTY COUNCIL
25	BALLYHERNAN
26	BUNDORAN
27 28	CARRICKFINN CULDAFF
29	DOWNINGS
30	DRUMATINNY
31	FINTRA
32 33 ⊕	KILLAHOEY
	LADY'S BAY LISFANNON
35	MARBLE HILL
36	MURVAGH
37	NARAN, PORTNOO
38	● PORT ARTHUR ● PORTNABLAGH
40	PORTSALON
41 +	RATHMULLAN
42	ROSSNOWLAGH
43 (N CORPORATION DOLLYMOUNT STRAND
44	MERRION STRAND
45	SANDYMOUNT STRAND
	FINGAL
46 47 ⊕	● BALBRIGGAN ● DONABATE
48 🕀	LOUGHSHINNY
49 +	
50	PORTMARNOCK
51 52 ⊕	PORTRANE RUSH, SOUTH BEACH
52 ± 53	SKERRIES
	SUTTON, BURROW BEACH
	OGHAIRE-RATHDOWN
	KILLINEY
56 GAI W	SEAPOINT AY CORPORATION
57	SALTHILL
58	SILVER STRAND
	Y COUNTY COUNCIL
59 ()	AN CNOC, INVERIN BEACH AT SPIDDAL PIER
61	CILL MUIRBHTHE, INIS MOR
62	CLIFDEN
63	GORTIN, CLOCH NA RON
64 +	NA FORBACHA
65	● SPIDDAL, MAIN BEACH ● TRA AN DOILIN, CEATHRU RUA

	67	TRA CHALADH BHFUINNSE
	68	TRAUGHT, KINVARA
		▲ BATHING PLACE AT LOUGHREA LAKE ▲ BATHING PLACE AT PORTUMNA
		COUNTY COUNCIL
1		BALLINSKELLIGS
		BALLYBUNION NORTH
		BALLYBUNION SOUTH
	74 75	BALLYHEIGUE BANNA STRAND
		CASTLEGREGORY
	77	DERRYNANE
	78	FENIT
	79	INCH INNY, WATERVILLE
	81	KELLS
		MAHARABEG
	83	ROSSBEIGH, WHITE STRAND
	84	V-141111
		WHITE STRAND, CAHERCIVEEN COUNTY COUNCIL
		KEELDRA
		COUNTY COUNCIL
		CLOGHERHEAD
		PORT, LURGANBOY
	89 90	SEAPOINT SHELLING HILL/TEMPLETOWN
		COUNTY COUNCIL
	91	BERTRA
		CARROWMORE
	93 94	DOOEGA, ACHILL DOOGORT
		ELLY BAY, BELMULLET
	96	GOLDEN STRAND, ACHILL
	97	KEEL, ACHILL KEEM, ACHILL
	98	KEEM, ACHILL
		KILLALA, ROSS STRAND
	101	LOUISBURGH, OLD HEAD BEACH LOUISBURGH, SILVER STRAND
	102	MULLAGHROË
	103	THE ZELL WILLIAM
		● RINROE, CARRATIGUE ● THE HARBOUR, CLARE ISLAND
		COUNTY COUNCIL
	106 ⊕ €	LAYTOWN/BETTYSTOWN
		COUNTY COUNCIL
	107 108	● ENNISCRONE ■ MULLAGHMORE
	109	ROSSES POINT
	WATER	FORD COUNTY COUNCIL
	110 ⊙	ARDMORE
	111 🗇	BONMAHON
	113	D CLONEA, EAST DUNMORE EAST. COUNSELLORS STRANI
	114	DUNMORE EAST, COUNSELLORS STRAND DUNMORE EAST, MAIN STRAND
	112	TRAMORE, MAIN STHAND
	WESTN	IEATH COUNTY COUNCIL ▲ LILLIPUT, LOUGH ENNEL
	117	PORTNASHANGAN, LOUGH OWEL
	118	THE CUT, LOUGH LENE
	WEXFO	ORD COUNTY COUNCIL
		BALLYMONEY COURTOWN NORTH BEACH
	120 121	COURTOWN, NORTH BEACH CURRACLOE
	122	DUNCANNON
	123	MORRISCASTLE
		ROSSLARE STRAND
		OW COUNTY COUNCIL ■ BRAY BEACH
	126	BRITTAS BAY NORTH
	127	BRITTAS BAY SOUTH
	128	CLOGGA BEACH
	129 130	GREYSTONES SILVER STRAND
	130	- CILVEIT OTTIAND
U		



Italy

1999 bathing season

1 May to 30 September

Main results

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas;

C (I) : percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

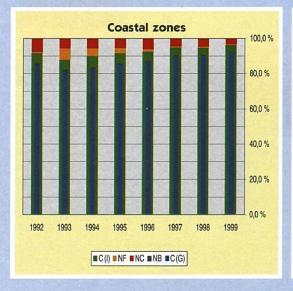
NF : percentage of bathing areas insufficiently sampled;
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data available);

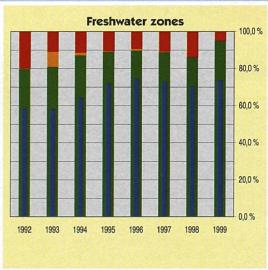
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

Italy		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	4 034	91.5	85.4	0.8	7.7	0.0
	1993	4 286	87.6	82.0	6.6	5.8	0.0
	1994	4 541	89.9	83.4	4.9	5.9	0.0
	1995	4 592	91.4	85.4	2.9	5.6	0.0
	1996	4 688	92.4	87.0	1.2	6.3	0.0
	1997	4 836	94.6	90.3	0.7	4.7	0.0
	1998	4 868	94.4	90.3	0.7	4.9	0.0
	1999	4 811	96.1	92.4	0.4	3.5	0.0
Freshwater zones	1992	621	79.5	58.3	0.3	20.1	0.0
	1993	667	80.7	58.0	8.1	11.2	0.0
	1994	681	86.9	64.2	1.5	11.6	0.0
	1995	695	88.9	71.7	0.4	10.6	0.0
	1996	697	89.5	74.6	1.1	9.3	0.0
	1997	740	88.5	72.7	0.5	10.9	0.0
	1998	737	85.8	70.3	0.1	14.1	0.0
	1999	724	94.7	73.8	0.0	5.3	0.0

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 4 811; freshwater: 724)

In the case of the coastal zones, 127 bathing areas were withdrawn and 53 new bathing areas were taken into account for the 1999 bathing season. As regards the freshwater zones, 23 bathing areas were withdrawn and 10 new bathing areas were taken into account.

4. Comments

All the indicators improved, both for coastal and freshwater zones. It is unacceptable that some coastal bathing areas were still insufficiently sampled, since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

In the coastal zones, the percentage of bathing areas complying with the guide values (92.4%) and/or mandatory values (96.1%) was approximately 2% higher than during the previous bathing season. At the same time, the percentage of bathing areas failing to comply with the mandatory values (3.5%) was 1.4% down in the 1999 bathing season, while the percentage of bathing areas insufficiently sampled also fell (to 0.4%).

A more marked improvement was observed in the freshwater zones, where the percentage of bathing areas complying with the guide values (73.8 %) and/or mandatory values (94.7 %) was up by 3.5 and 8.9 % respectively compared with the previous bathing season. Following the same trend, the percentage of bathing areas failing to comply with the mandatory values fell appreciably from 14.1 % in the 1998 bathing season to 5.3 % for the 1999 season. There were no longer any insufficiently sampled bathing areas and, as in previous seasons, there were no bathing areas where bathing was prohibited.

5. General information

Public information

Information concerning the bathing area monitoring programme is available on teletext pages. In addition, a report describing bathing water quality is published annually.

Wastewater treatment

Italy did not provide any specific data on its projects for wastewater treatment in bathing areas.

Infringement procedure

The Commission decided to issue a reasoned opinion for poor implementation of the directive.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	Service of	127	0	0	169	19	178	4 445	4 811
NEW	70		. r. 8580	T05-0 30A-6	8		9	53	70
Ban	0					NA SCALE			0
NS	0			3					0
NC	240	47			72		39	82	193
Freq	35	3			althusy 5 2 stocks	13	1	18	32
C (I)	197	21			39		59	78	176
C (G)	4 396	56			50	6	70	4 214	4 340
Tot. 98	4 868	127	0	0	161	19	169	4 392	

Coastal zones (ratio = 1.3; stability = 91.9 %)

The ratio is 1.3, which reflects a slight improvement in the average quality of the bathing areas during the 1999 bathing season. This ratio is coupled with a fairly high stability index, which is a good sign given the relatively high quality of the bathing areas taken into account in 1998. Curiously, 56 bathing areas which had complied with the guide values during the 1998 bathing season were withdrawn.

It must be stressed, however, that 19 bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that not only were bathing areas which were insufficiently sampled during the previous bathing season still being sampled insufficiently, but also even bathing areas which were sampled correctly during the 1998 bathing season were insufficiently sampled during the 1999 season.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		23	0	0	38	0	152	534	724
NEW	10				1	12 5 6	4	5	10
Ban	0								0
NS	0			100					0
NC	104	6			22		31	45	98
Freq	1	1							0
C (I)	114	1			6	arth (b)	73	34	113
C (G)	518	15			9		44	450	503
Tot. 98	737	23	0	0	37	0	148	529	

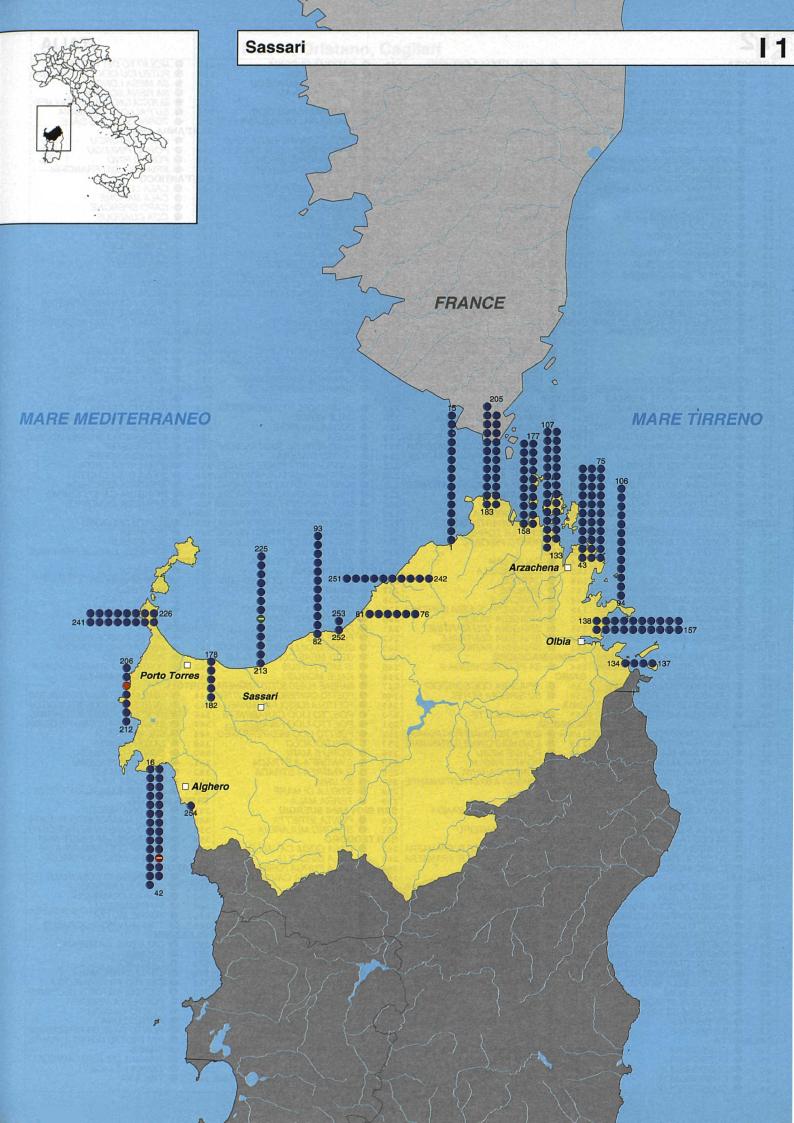
Freshwater zones (ratio = 1.9; stability = 76.3 %)

The ratio is 1.9, which reflects a perceptible increase in the average quality of the bathing areas during the last bathing season. Again, rather curiously, 15 bathing areas which had complied with the guide values during the 1998 bathing season were withdrawn.

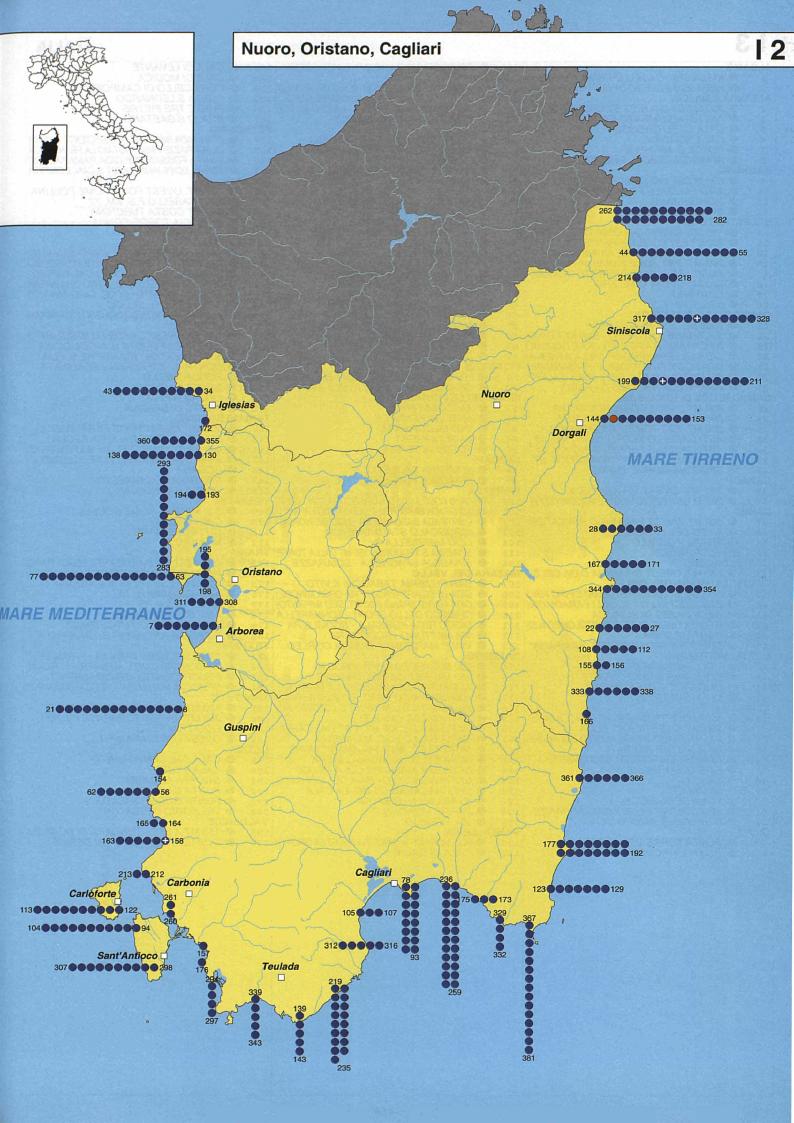
The stability index is 76.3 %, which is quite a good average for freshwater bathing areas, where it seems to be harder to maintain quality from one bathing season to another than in coastal zones. This highlights the upward trend.

It should be added that there were no longer any bathing areas sampled insufficiently during the 1999 bathing season. The bathing area concerned during the previous bathing season was withdrawn.

					HALI
GLIENT	TU CALA PISCHINA	87	LA CIACCIA LA VIGNACCIA LU BAGNU P.TA LA CAPRA RUMASINU STELLA MARIS VILLAGGIO PERULEDDA ARANCI BAIA DE BAHAS CALA MORESCA CALA SASSARI CALA SPADA III SPIAGGIA LUCCARONI NODU PIANU PIETRA CONCATA PRIMA SPIAGGIA PUNTA CALTABASSA PUNTA D'INDIA SP. VILLAGGIO BAIA CADDINAS	173 174	PORTO FARO PORTO POLLO
2	CALA VILLALTA	89	LU BAGNU	175	PORTO RAFAEL
3	CAMPEGGIO SARAGOSA	90	P.TA LA CAPRA	176	SPIAGGIA DEGLI SVEDESI
4	FOCE RIO VIGNOLA	91	RUMASINU	177 POPTO	VENA LONGA TORRES
5 0	LI PEDRI NIEDDI	93	VILLAGGIO PERUI EDDA	178	100 MT AD EST FOCE FIUME SANTO
7	LOC.TÁ CAPANNONI	GOLFO	ARANCI	179	
3	LOC.TÁ MUNTIGGHIONE I	94	BAIA DE BAHAS	180	CAPPELLA BALAI II
	LU CANTARU	95	CALA MORESCA	181	SCOGLIO LUNGO
0 0	PORTO RELLO	96	CALA SASSAHI CALA SPADA	SANTA	TORRE ABBA CURRENTE TERESA GALLURA
2	PORTO CANNEDDI	98	III SPIAGGIA	183	400 MT AD OVEST FOCE FIUME LIS
3	RENA MAIORE LA LICCIA	99	LUCCARONI	184	CALA GRANDE
4	S. SILVESTRO	100	NODU PIANU	185	CALA SAMBUCO
GHER	SPIAGGIA BUREDDAGGIU	101	PRIMA SPIAGGIA	186	CONCA VERDE FRONTE ALBERGO ESIT
5	100 OVEST MOLO - LOC. P.TO CONTE	103	PRIMA SPIAGGIA PUNTA CALTABASSA PUNTA D'INDIA SP.VILLAGGIO BAIA CADDINAS TERRATA DALENA ABBATOGGIA CALA CARLOTTO CALA DUE MARI CALA MAIORE	188	FUNTANACCIA
•	200 M EST SCARICO 77	104	PUNTA D'INDIA	189	LA BALCACCIA
	200 M OVEST SCARICO 77	105	SP.VILLAGGIO BAIA CADDINAS		LA COLBA
	CALA RONA	I A MAI	DOLI ENA		LA LICCIOLA LA MARMORATA
ĕ	CALA BURANTINU	107	ABBATOGGIA		LA MARMORATA CENTRO RESIDENZ
	CALA DRAGONARA	108	CALA CARLOTTO	194	LOC.TÁ BOCCHE DI BONIFACIO
	CANALE OMO MOLT	109	CALA DUE MARI	195	LOC.TÁ P.TO LISCIA
	DISCESA A MARE HOTEL CATALOGNA	110	CALA MAIORE	196	LOC.TÁCALA SPINOSA
-	HOTEL BAIA DI CONTE	112	CAPOCCHIA DI POLPO	198	PORTO POZZO CAMPING ARCOBALI PORTO QUADRO
ŏ	HOTEL EL FARO	113	CAPRERA - CLUB MEDITERRANÉE	199	PULTIDDOLU
	LAZZARETTO	114	CASE BIANCHE 1	200	RENA DI LEVANTE
	LAZZARETTO I	115	GOLFO STAGNALI	201	RENA DI PONENTE
	LIDO LIDO	116	CALA DUE MARI CALA MAIORE CALA WAIORE CALA VELA MARINA - S. STEFANO CAPOCCHIA DI POLPO CAPRERA - CLUB MEDITERRANÉE CASE BIANCHE 1 GOLFO STAGNALI LOC.TÁ P.TO LUNGO LOC.TÁ PORTO PALMA II LOC.TÁ PORTO PALMA II LOC.TÁ PUNTA CANNONE - 200 M W SC.81 NIDO AQUILA I NIDO D'AQUILA I P.TA CODA SARDEGNA I P.TA CODA SARDEGNA II PORTO PALMA PORTO PALMA PORTO PALMA SPALMATORE STAGNALI STAGNALI FORESTALE STAGNO TORTO TEGGE VALTUR SPIAGGIA - S. STEFANO ORTO SAN PAOLO	202	SPIAGGIA S TERESA
ŏ	LOC.TÁ FL TRÓ - ALGHERO -	118	LOC.TÁ PORTO PALMA II	204	VALLE DELL'ERICA
•	MARISTELLA	119	LOC.TÁ PUNTA CANNONE - 200 M W SC.81	205	VILLAGGIO VALLE DELL'ERICA
	MUGONI	120	NIDO AQUILA I	SASSA	RI
	OSPEDALE MARINO	121	NIDO D'AQUILA	206	ARGENTIERA
	PORTICCIOLO	122	P.TA CODA SARDEGNA I	207	I AMPIANI I
	PORTO AGRA	124	PORTO PALMA	209	LIDO MILITARE
0	PUNTA NEGRA	125	PORTO PALMA SUD	210	PLATAMONA ROTONDA
Θ	SAN GIOVANNI	126	PUNTA CANNONE	211	PORTO FERRO
9	THAMARIGLIO SPIAGGIA	127	PUNTANELLA	212	PORTO PALMAS
ZACH	IENA	129	STAGNALI	213	FOCE BIO SORSO
	1050 MT AD EST RIO SAN GIOVANNI	130	STAGNALI FORESTALE	214	IPETTINE
•	1050 MT AD EST RIO SAN GIOVANNI 325 MT A SUD SCARICO 70 BAIA SARDINIA CALA BITTA CALA DELLA GHIAIA CALA LISCIA RUIA CALA LISCIA RUJA CALA PETRA RUJA CALA PETRA RUJA CALAGRANO CANNIGIONE CAPRICCIOLI	131	STAGNO TORTO	215	III PETTINE
	BAIA SARDINIA	132	TAGNO TOPTO TEGGE VALTUR SPIAGGIA - S. STEFANO ORTO SAN PAOLO COSTA DORATA PORTO TAVERNA PUNTA CORALLINA SOTTO VECCHIO SEMAFORO	216	KM 19 SS DELL'ANGLONA N.200
	CALA DELLA GHIAIA	LOIRIP	ORTO SAN PAOLO	218 🕣	LA PAGLIASTRA LI NIBARI
ŏ	CALA LISCIA RUIA	134	COSTA DORATA	219	MARINA DI SORSO
	CALA LISCIA RUJA	135	PORTO TAVERNA	220	MARITZA
	CALA PETRA RUJA	136	PUNTA CORALLINA		PEDRAMINCINA
	CANNICIONE	OLBIA	SOTTO VECCHIO SEMAFORO		PORCHILE QUARTO PETTINE
- 5	CAPRICCIOLI	OLDIA	A EST DI ISCIA SEGATA		SECONDO PETTINE
ŏ	CAPRICCIOLI PRIMO	139			V PETTINE
	COGNA 1	140	CALA REALE	STINTIN	10
	COGNA 2		FOCE RIU SA FIGU		CALA COSCIA DI DONNA
2	EA BIANCA GRANDE PEVERO		LA CANNITA LA TAZZA		CUILE EZI MANNU CUILE PAZZONI
	GRANDE PEVERO ISULEDDA LA CELVIA		LA TAZZA LIDO DEL SOLE		L'ANCORA
•	LA CELVIA	145	LOC.TÁ PESCHIERA	230	L'APPRODO - SP.ROCCA RUJA
	LE SALINE	146	MARINELLA	231	LA PELOSA
	LOC.TÁ RAZZA DI GIUNCO	147	PITTULONGU	232	LA PELOSETTA
	MANNENA P.TA DI LU TAMBURU		PORTISCO PORTO ISTANA	233	LE VELE PUNTA D'ELICE
	PETRANIEDDA		PORTO ROTONDO	235	PUNTA NEGRA - CALA DI VACCA
•	PEVERO	151	SALINA	236	PUNTA SUD CALA LUPO
	PICCOLO PEVERO		SOTTO PUNTA BADOS		ROCCE ROCCA RUJA
	PITRIZZA PORTO CERVO		SP. A EST PUNTA DI TRONFINO SP.A NORD ISOLA PORTISCO		SPIAGGIA RIMBOSCHIMENTO SPIAGGIA TAMERICI
	PORTO CERVO PORTO LISCIA	155	SPIAGGIA PUNTA DELLA VOLPE		STAGNO DELLE SALINE
	ROMAZZINO	156	SPIAGGIA SIRENELLA		TONNARA SALINE - SUD
	ROMAZZINO	157	VILLAGGIO IL NURAGHE	TRINITA	D'AGULTU E VIGNOLA
	SPIAGGIA OLIVETTI	PALAU			FINE SPIAGGIA LUNGA ISOLA ROS
	SPIAGGIA OLIVETTI SPIAGGIA TREMONTI		250 MT AD EST FOCE FIUME LISCIA BAIA DI NELSON PRIMO		LA BAJETTE LA MARINEDDA
DESI			BAIA DI NELSON FAIMO BAIA DI NELSON SECONDO		LI COSSI
	400 MT A NORD FOCE COGHINAS	161	CALA CAPRA	246	LU STANGIONI
	BAIA DELLE MIMOSE		CALA INGLESE		SORGENTI COSTA PARADISO
	CAMPEGGIO LI PARISI LI JUNÇHI	163	COSTA SERENA ISOLOTTO	248	STAGNO TINNARI STAZZO LI CANNEDDI
	LOC.TÁ BAIA DELLE MIMOSE	165	I ISUI FODA		VIGNOLA CALA SARRAINA
	LU POLTU BIANCU	166	L'ORSO		VIGNOLA COSTA PARADISO
STEL	SARDO	167	ISOLOTTO L'ISULEDDA L'ORSO LASCIUMARA LOC TÁ CALA MARTINELLA	VALLED	OORIA
	100 MT 30D 3CATICO 44	T00	LOU. IA CALA WAN I INLLLA		MARAGNANU
	250 MT NORD SCARICO 45	169	LOC.TÁ ISOLA CAVALLI		S.PIETRO A MARE
			LOC TÁ M IACHEDOU	VIII I AND	OVA MONTEL FONE
0	A SUD DI P.TA TRAMONTANA BAIA OSTINA	170	LOC.TÁ M. IACHEDDU LOC.TÁ M. PARISEDDU		OVA MONTELEONE LA SPERANZA



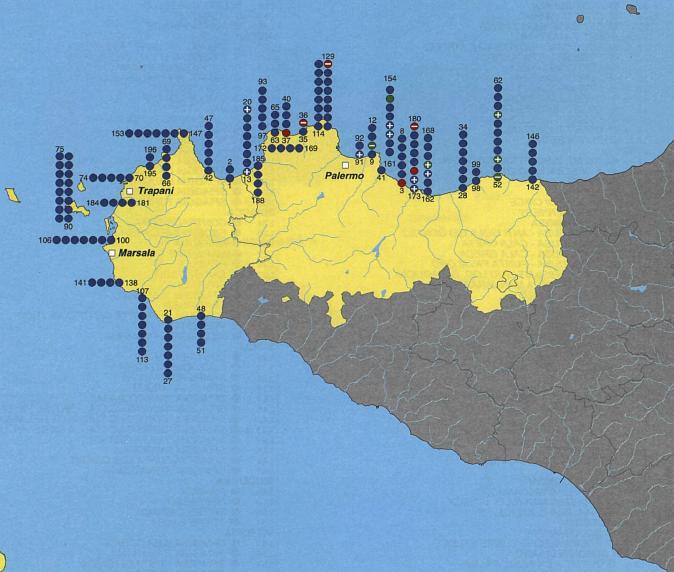
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3	AGGIA CESI AGGIA USTRIALI ALETTA E VIVAREL AMINO
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ARBUS CAPP JESON S'ARQUENTUI OCOSTA VERDE	AGGIA USTRIALI O PELLI ALETTA E VIVAREL I A MINO
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COSTA VERDE SPIAGGIA CENTRO 108 20 MT AUGH FOCK BIO PROUP FLAU 118 FLAURE FL	AGGIA USTRIALI O PELLI ALETTA E VIVAREL I A MINO
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58	GRAND
SPIAGGIA DEL PORTO 155 SPIAGGIA COCCOROCCI 156 SU SIRBONI HOTEL 157 PORTO BOTTE 157 PORTO BOTTO LIDO CARABINIERI 158 PORTO LIDO FINANZA 158 PORTO LIDO FINANZA 158 PORTO BOTTO LIDO FINANZA 158 PORTO BOTTO LIDO FINANZA 158 PORTO BOTTO	GHANDE
60 SPIAGGIA DEL PORTO 61 SPIAGGIA DI FRONTE AL PONTE 62 SPIAGGIA SOTTO IL PONTE 62 SPIAGGIA SOTTO IL PONTE 63 200 MT A NORD FOCE FIUME TIRSO 63 CAPO SA STURRAGGIA 64 CAPO SA STURRAGGIA 65 SU SIRBONI HOTEL 248 POETTO CAMPEGGIO ROULOTTES 249 POETTO LIB BUSSOLA-LA MARINELLA 249 POETTO LIB BUSSOLA-LA MARINELLA 249 POETTO LIB BUSSOLA-LA MARINELLA 250 POETTO LIB BUSSOLA-LA MARINELLA 251 POETTO LIB CARABINIERI 251 POETTO LIB MEDITERRANEO 252 POETTO LIB MEDITERRANEO 253 PORTICCIOLO 248 POETTO LA BUSSOLA-LA MARINELLA 255 POETTO LIB BUSSOLA-LA MARINELLA 256 POETTO LIB BUSSOLA-LA MARINELLA 257 POETTO LIB BUSSOLA-LA MARINELLA 258 POETTO LIB CARABINIERI 259 A SUD MOLO CANALE FUNTANAMARE 251 POETTO LIB MEDITERRANEO 252 POETTO LIB MEDITERRANEO 253 POETTO LIB MEDITERRANEO 254 POETTO LIB MEDITERRANEO 255 POETTO LIB MEDITERRANEO 256 POETTO LIB MEDITERRANEO 257 POETTO LIB MEDITERRANEO 258 POETTO LIB MEDITERRANEO 259 POETTO LIB MEDITERRANEO 250 MT A SUD FOCE RIC 250 POETTO LIB MEDITERRANEO 251 POETTO LIB MEDITERRANEO 252 POETTO LIB MEDITERRANEO 253 POETTO LIB MEDITERRANEO 255 POETTO LIB MEDITERRANEO 256 POETTO LIB MEDITERRANEO 257 POETTO LIB MEDITERRANEO 258 POETTO LIB MEDITERRANEO 259 POETTO LIB MEDITERRANEO 250 MT A SUD FOCE RIC 250 MT A SUD FOCE RIC 251 POETTO LIB MEDITERRANEO 252 POETTO LIB MEDITERRANEO 253 POETTO LIB MEDITERRANEO 254 POETTO LIB MEDITERRANEO 255 POETTO LIB MEDITERRANEO 256 POETTO LIB MEDITERRANEO 257 POETTO LIB MEDITERRANEO 258 POETTO LIB MEDITERRANEO 259 POETTO LIB MEDITERRANEO 250 MT A SUD FOCE RIC 250 MT A SUD FOCE RIC 251 POETTO LIB MEDITERRANEO 252 POETTO LIB MEDITERRANEO 253 POETTO LIB MEDITERRANEO 254 POETTO LIB MEDITERRANEO 255 POETTO LIB MEDITERRANEO 256 POETTO LIB MEDITERRANEO 257 POETTO LIB MEDITERRANEO 258 POETTO LIB MEDITERRANEO 259 POETTO LIB MEDITERRANEO 250 POETTO LIB MEDITERRANEO 251 POETTO LIB MEDITERRANEO 251 POETTO LIB MEDITERRANEO 252 POETTO LIB MEDITERRANEO 253 POETTO LIB MEDITERRANEO 255 POETTO LIB MEDITERRANEO 257 POETTO LIB MEDITERRANEO 258 POETTO LIB MEDITERRANEO 259 POETTO LIB MEDITE	
62 SPIAGGIA SOTTO IL PONTE 157 PORTO BOTTE 250 POETTO LIDO CARABINIERI 346 200 MT A SUD CANALE SAI 63 200 MT A NORD FOCE FIUME TIRSO 158 \$\infty\$ \$\infty\$ A SUD MOLO CANALE FUNTANAMARE 253 POETTO LIDO MEDITERRANEO 349 \$\infty\$ \$\infty\$ \$\infty\$ \$\infty\$ A SUD MOLO CANALE FUNTANAMARE 253 POETTO LIDO MEDITERRANEO 349 \$\infty\$ \$\i	GEMILIAN
CABRAS 63	
63	
64 • CAPO SA STURRAGGIA 159 • A SUD MOLO CANALE FUNTANAMARE 253 • PORTICCIOLO 349 • LA CAPANNINA	OUDEDDI
66 FUNTANA MAIMONI 161 PORTO PAGLIA 255 S.ANDREA-3 STRADA 351 ORRI 2^ (SPIAGGIA	
67 ● FUNTANA MEIGA 162 ● PORTO S'ARENA 256 ● S.ANDREA-I STRADA 352 ● PORTO FRAILIS	
68 MARE MORTO-ROVINE DI THARROS 163 SPIAGGIA A DX DI FUNTANAMARE 257 S.LURIA 1353 SPIAGGIA GEA	O TEL IC
69) IELIS
70	
72 PUNTA MAIMONI-VILLAGGIO PESCATORI LANUSEI 260 PUNTA STRETTA 356 PORTO ALABE-CENTRO	SPIAGGI
73 ● PUNTA S.GIOVANNI 166 ● PORTU SANTORU 261 ● STAGNO MULARGIA 357 ● PORTO ALABE-LIMITE P	OV.OR-N
74 ● SA COSTA SU FORRU LOTZORAI SAN TEODORO 358 ● PORTO ALABE-LIMI	E SUD
75 SU ARCHEDDU 'E SA CANNA 167 150 M SUD FOCE P. PRAMAERA 262 CALA CODA CAVALLO 359 TORRE COLUMBAR	ilA
76 SU SICCU-BARACCHE 168 150 M. SUD FOCE R. PRAMAERA 263 CALA GIRGOLU 360 TORRE S'ISCHIA RU	JGIA
77 • TORRE MOSCA 169 • ISCRIXEDDA 264 • CALA PURGATORIO VILLAPUTZU 361 • CAMPEGGIO COMU	
78 • 100 M S.PONTILE RUMIANCA 171 • SPIAGGIA TANEAU 266 • CINTA 1 362 • FOCE FLUMENDOS.	IALE
79 ● BORGO S. ELIA MAGOMADAS 267 ● CINTA 2 363 ● PORTO TRAMATZU	
80 MARINA PICCOLA SPIAGGIOLA 172 SPIAGGIA MARINA DI MAGOMADAS 268 CINTA 3 364 SU FRANZESU	
81 • POETTO FRONTE EX GOLFO ANGELI HOTI MARACALAGONIS 269 • COSTA CADDU 365 • TORRE MOTTA	
82 POETTO OSPEDALE MARINO 173 TORRE PORTO EST LENGUA 270 L'ISOLEDDA 366 TORRE PORTO COI	
83	
84 POETTO STABILIMENTO DAQUILA 175 TORRE DELLE STELLE CANN'E SISA 272 LOCALITA CADRANZOLU 367 CALA DI S. CATERII 85 POETTO STABILIMENTO ESERCITO MASAINAS 273 P.LASTRA RUIA 368 CAMPUS	ALLO
86 POETTO STABILIMENTO IL LIDO 176 S IS SOLINAS 274 PUNTALDIA 369 CAPO BOY	ALLO
87 • POETTO STABILIMENTO OTTAGONO MURAVERA 275 • PUNTA MOLARA 370 • CAPO CARBONARA	ALLO
88 • PONTI DELLA SCAFA 177 • CAMPING QUATTRO MORI 276 • SALINEDDA 371 • EST RIO FRAISCHE	ALLO A
89 S'ARRULLONI 178 COSTA REI-CANTIERE NAUTICO TODDE 277 SPIAGGIA BRANDINCHI 372 FOCE DEL RIO FOXI DI V	ALLO A
90 SANTELIA SPIAGGIOLA 179 COSTA RELOZO CAPO FERRATO CAMPEGGIO 278 SPIAGGIA BRANDINCHI 1 373 FORTEZZA VECCHI.	ALLO A DDU LLASIMIUS
91 • SPIAGGIA SS 195 KM 7,5 180 • COSTA REI-MARINA REI 279 • SPIAGGIA BUNGALOW HOTEL 374 • PORTO GIUNCO 92 • SS 195 KM 5 181 • COSTA REI-VIA DELLE ROSE 280 • SPIAGGIA CALA D'AMBRA 375 • PORTO LUNA	ALLO A DDU LLASIMIUS
92	ALLO A DDU LLASIMIUS
CALASETTA 183 • FERAXI 281 • SPIAGGIA ISOLEDDA 377 • RIU TROTTU SOTTO	ALLO A DDU LLASIMIUS
94 • CUSSORGIA 184 • FOCE DEL RIO PICOCCA SAN VERO MILIS 378 • SIMIUS	ALLO A DDU LLASIMIUS
95 ● CUSSORGIA I 185 ● FREE BEACH 283 ● CALA SALINE 379 ● SPIAGGIA DEL RISO CALA SALINE	ALLO A DDU LLASIMIUS
96 ● CUSSORGIA II 186 ● HOTEL COLOSTRAI 284 ● IS ARENAS I 380 ● TANKA VILLAGE	ALLO A DDU LLASIMIUS SIDENCE L PONTE
97 • CUSSORGIA III 187 • PORTO PIRASTU 285 • IS AFENAS-300MT SUD S. VEROMILIS-NARI 381 • TIMI AMA	ALLO A DDU LLASIMIUS SIDENCE L PONTE
98 • CUSSORGIA IV 188 • PUNTA DI CAPO FERRATO 286 • MANDRIOLA-LA BAIA BLU	ALLO A DDU LLASIMIUS SIDENCE L PONTE



13		IIALIA
ALCAMO	65 SPIAGGIA MAGAGGIARI LATO OVEST	132 CALA DI LEVANTE
1	CUSTONACI	133 • CALA DI MODICA
2 PASSAGGIO A LIVELLO-DAVANTI "PETROLGAS"	66 CALA BUGUTO-PROSPICIENTE N.C 46-CORNINO	
ALTAVILLA MILICIA 3 • 200 M EST 073 (EST STAZIONE FS)	67 CALA PROSPICIENTE IL CAMPEGGIO 68 CORNINO PORTICCIUOLO - LA CHIESETTA	135 • PUNTA S.LEONARDO 136 • PUNTE TRE PIETRE
4 • ANTI STABILIMENTO BALNEARE	69 TORRE TONNARA COFANO	137 • SCALO S.GAETANO
5 CALA CAPO GROSSO	ERICE	PETROSINO
6 CALA SCIABICA	70 • HOTEL TIRRENO - PIZZOLUNGO	138 • CONTRADA BISCIONE PROSPICIENTE N.C.108
7 PONTE S. MICHELE	71 • KM 9 STRADA TRAPANI - BONAGIA	139 • LE TORRAZZE PRSP. NOTAIO LA FRANCESCA
8 SPIAGGIA CONTR. FIGURELLA	72 • LIDO G.GIULIANO	140 PUNTA FOSSANOVE C/DA PAMAPALONE
9 • 500 M EST 063 (SPIAGGIA SARELLO)	73	POLLINA TORRE SCIBILIANA 200 MT S CAN. BONIFICA
10 O ANTI PIAZZALE PRIMEROCCHE	FAVIGNANA	142 200 MT. OVEST FOCE FIUME POLLINA
11 • MONGERBINO		143 • ANTI CASELLO F.S. KM. 77
12 SPIAGGIA PLAIA	76 CALA CANALELLO	144 OVEST COSTA TURCHINA
BALESTRATE	77 • CALA CORTICELLO	145 SPIAGGIA TORRE CONCA
13 ⊕ 100 MT. OVEST COLONIA DE GASPERI	78 CALA MINNOLA (ISOLA LEVANZO)	146 TORRE RAISIGERBI
14 200 MT EST FOCE TORRENTE CALATUBO	79 CALA MONACI	SAN VITO LO CAPO
15	80	147 • 800 MT AD EST HOTEL CAPO SAN VITO 148 • CALA CALAZZA -PROSPICIENTE POSTEGGIO
16 200 MT. EST FOCE FIUME JATO 17 200 MT. OVEST FOCE TORRENTE CALATUBO	82 • LEVANTO - CALA FREDDA	149 SPIAGGETTA VILLAGGIO CALAMPISO
18 • 300 MT OVEST CIMITERO	83 • LEVANTO - IL FARAGLIONE	150 SPIAGGIA CASTELLUZZO - SENO DELL'ARENA
19 CIMITERO	84 MARE FARAGI	151 SPIAGGIA SAN VITO - HOTEL CAPO SAN VITO
20 ⊕ STAZIONE F.S.	85 MARETTIMO - CALA MARINO	152 • TONNARA DEL SECCO
CAMPOBELLO DI MAZARA	86 MARETTIMO - SCALO NUOVO	153 VILLAGGIO TURISTICO-ZONA ISOLOTTO-MAKARI
21	87 MARETTIMO - SCALO VECCHIO	SANTA FLAVIA
22 3 FONTANE (LATO EST) - BAR NETTUNO	88 PUNTA BURRONE 89 PUNTA FARAGLIONE (500 MT. OVEST)	154 • 100 MT. OVEST CASTELLO DI SOLANTO 155 • 250 MT. EST PUNTA S. NICOLICCHIA
23	90 PUNTA FARAGLIONE (500 MT. OVEST) 90 SCALO S.GIUSEPPE	155
25 • C/DA POZZITELLO(PROSP. V. PASSANANTE)	FICARAZZI	157 • CONTR. C. ZAFFERANO SCALINATA
26 GRANITOLA (LATO EST) - BAR CALECA	91 ⊕ ● 200 MT. OVEST FOCE FIUME ELEUTERIO	
27 GRANITOLA (LATO EST) - FARO	92 SPIAGGIA 200 M. OVEST VIA S. MARTINO	159 ⊕ GROTTA AGNONE
CAMPOFELICE DI ROCCELLA	ISOLA DELLE FEMMINE	160 LIDO OLIVELLA
28 200 MT OVEST TORR. ROCCELLA	93 • ANTI CIMITERO	161 PORTO DI SPAGNA
29 200 MT. EST FOCE FIUME IMERA	94 • ANTI VIA KENNEDY 95 • COSTA CORSARA	TERMINI IMERESE 162 ● 200 MT. OVEST FOCE FIUME IMERA
30		162 • 200 MT. OVEST FOCE FIUME IMERA 163 • 300 MT. EST PUNTA ALCA SECCA
32 • ANTI CASELLO FERROVIARIO KM. 51	97 • TORRE IN TERRA	164 + 400 M EST 153 (EST FIUME S.LEONARDO)
33 ANTI CASELLO FERROVIARIO KM. 53	LASCARI	165 400 M OVEST 152 (OVEST FIUME S.LEONARDÓ)
34 SPIAGGIA GORGO LUNGO	98 SPIAGGIA SALINELLE	166 DOGANA
CAPACI	99 SPIAGGIA TORRE PASTINE	167 SPIAGGIA LOC.GINESTRA
35 200 MT. OVEST VIA KENNEDY	MARSALA	168 TORRE BATTILAMANO TERRASINI
36 ○ ● 200 M EST 025 (OVEST VIA KENNEDY) CARINI	100 CAPO BOEO ANTISTANTE CIRCOLO CANOTTIERI 101 CONTRADA BARBARELLO - LIDO MEDITERRANEO	169 • 500 MT. EST FIUME NOCELLA
37 300 MT. OVEST VILLAGGIO PESCATORI	102 CONTRADA BARBARELLO - LIDO SIGNORINO	
38 • ARCO DEL BAGLIO	103 • IDROSCALO STAGNONE A.M.	171 OCITTÁ DEL MARE
39 TORRE POZZILLO	104 • LIDO MARINELLA	172 • MAIDDUZZA
40 TORREMUZZA	105 SPIAGGIA S.TEODORO - 150 MT DALLA TORRE	
CASTELDACCIA	106 SPIAGGIA SPAGNOLA - SCIARAZZE	173 400 M EST 083 (ANTISTANTE PESCATORE)
41 • 250 MT. OVEST SPIAGGIA C.DA CELSO CASTELLAMMARE DEL GOLFO		174 ⊕ ● 400 M OVEST 083 (ANTISTANTE PESCATORE) 175 ● 400 M OVEST 147 (S.N. L'ARENA)
42 BAIA GUIDA LOCA - RISTORANTE PIRO PIRO		175
43 BAIA SCOPELLO - SCOGLI FARAGLIONI		177 • ANTI PIANI N. 15
44 CALA MAZZO DI SCIACCA	110 • CHIOSCO DELLO SPORT - TONNARELLÁ	178 • ANTI S.S. 113 KM. 226
45 MT 200 A OVEST FIUME S.BARTOLOMEO N.53		179 ANTI SVINCOLO AUTOSTRADA
46 PUNTA PISPISA	112 VIA NETTUNO - SCOGLIERA	180 🔾 🌑 SPIAGGIA ANTI BIVIO S. ONOFRIO
47 SPIAGGIA PROSPICIENTE "LAMPARA"	113 VIALE MARRONE - TRIGLIA CORLEO	TRAPANI
CASTELVETRANO 48 • LIDO CANNARA DI TRISCINA	PALERMO 114 • 200 M OVEST 039 VIA VIRGILIO	181 • 150 MT SUD TORRE MARAUSA - S.FRANCESCO 182 • LUNGOMARE DANTE ALIGHIERI - V. RICCIO
48 LIDO CANNARA DI TRISCINA 49 LIDO PINETA DI SELINUNTE	115 • 250 MT. EST VIA DEL TRITONE	183 PROSPICIENTE OSPIZIO MARINO
50 • LIDO VERDE DI SELINUNTE	116 • ADDAURA - COMPLESSO LA MARSA	184 SPIAGGIA MARAUSA - VECCHIO MULINO
51 VIA 113 DI TRISCINA	117 • ADDAURA: VARCO 100 MT. EST PUNTA PRIOLA	TRAPPETO
CEFALÚ	118 • ADDAURA: VARCO LUNGOMARE C. COLOMBO 2403	185 • 100 MT. OVEST TORRENTE PINTO
52 100 M OVEST 108 (INIZIO LUNGOMARE)	119 ANTI PIAZZA VALDESI	186 • 200 MT. OVEST TORRENTE PINTO
53 200 MT. OVEST CAPO PLAIA	120 CAPO GALLO 500 MT. EST DAL FARO	187 • LIDO TRAPPETO
54 • 200 MT. OVEST STABILIMENTO BALNEARE	121 • CAPO GALLO LOC. MARINELLA	188 OVEST LOC.CIAMMARITA
55	122	USTICA 189 CALA DEL CAMPOSANTO
57 • FINE LUNGOMARE	124 SCIVOLI A MARE VIA COLA PESCE	190 • CALA SIDOTI
58 • KALURA		191 • GROTTA AZZURRA
59 ⊕ LE CALETTE	126 SFERRACAVALLO LOC. LA CALA	192 • PUNTA CAVAZZI
60 PLAIA DEGLI UCCELLI	127 STABILIMENTO BAGNI	193 PUNTA GORGO SALATO
61 SPIAGGETTA CLUB MEDITERRANÉE	128 TORRE MONDELLO	194 • VILLAGGIO PESCATORI
62 SPIAGGIA S. AMBROGIO	129 ⊝ ● VIA VIRGILIO	VALDERICE
CINISI 63 PUNTA TORRE DELL'ORSA	PANTELLERIA 130	195 • 150 MT A EST - TONNARA DI BONAGIA
63 PUNTA TORRE DELL'ORSA 64 PUNTI LA PICUZZA	130 BUE MARINO - A SINISTRA FUORI LA GROTTA 131 CALA DI GADIR	196 • CORTIGLIOLO - LIDO VALDERICE
UZ UNITERTIONEEN	131 ONLY DI GUDIN	
		and the second of

MARE TIRRENO





MARE MEDITERRANEO

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    100 MT A SX SBOCCO FIUME DIRILLO
    C.DA SERRA
    IDO SABBIE D'ORO
    SPIAGGIA "MACCONI"
    SPIAGGIA DR. ALESSANDRELLO
AGRIGENTO

2 TRAVERSA
BABALUCIARA
CANNATELLO
LIDO LE DUNE
LIDO P.S.
 10
        MADDALUSA
 11

    MISITA ZINGARELLO

BUTERA
        FINANZAFOCE FIUME PLATANI
GELA
PUNTA SECCA
ISPICA

    100 MT. A SINISTRA SBOCCO RIO FAVARA
    A DESTRA "LIDO OTELLO"

 39
 40
        MARZA
 41
        PORRI
 42
43 SECCHE DI CIRCE
44 VIALE KENNEDY
LAMPEDUSA E LINOSA
        ● LAMPEDUSA - ANTI ISOLA DEI CONIGLI

● LAMPEDUSA - CALA CRETA

● LAMPEDUSA - CALA GRECA

● LAMPEDUSA - PUNTA FAVALORO
 46
 47
 48
        ● LINOSA - 250 MT. SUD LOC. FARAGLIONI
● LINOSA - CALA MANNARAZZA
● LINOSA - SCALO
 50
 51
LICATA

    CONTRADA CANTICAGLIONE
    GIUMMARELLA SUD
    LIDO BELLIA

 53
 54
           LIDO EX E.C.A
 55
           LIDO MOLLARELLA
 56
        PISCIOTTO

    TORRE DI GAFFE

 58
MENFI
        200 MT SX MIRAMARE
 59
 60
        BERTOLINO
 61
        FIORI
           FOCE TORRENTE CAVARETTO
 62
        MIRAMARE
 63
        SIRENETTA
 64
           VALLONE MANDRAROSSA
MODICA
66
           CASE CUNDARI

    SPIAGGIA "MACANUCO"
    SPIAGGIA MARINA DI MODICA
    SPIAGGIA P. RELIGIONE

 68
MONTALLEGRO
78 ZINGARELLO PORTO EMPEDOCLE
        CAOS
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LIDO ANCORA
             LIDO AZZURROLIDO FICODINDIALIDO MARINELLA
 82
 83
                 PUNTA PICCOLA
 84

    SCOLO CAOS

 POZZALLO
             EX COLONIAMOLO PER BARCHETTE
 86
 87

    PIETRENERE
    RISTORANTE "IPPOCAMPO"
    SPIAGGIA "RAGANZINO"

 89
 90
 RAGUSA

    SPIAGGIA "PUNTA BRACCETTE"
    SPIAGGIA BRANCO GRANDE
    SPIAGGIA CAMARINA VILLAGGIO
    SPIAGGIA CLUB MEDITERRANÉE
    SPIAGGIA FORESTALE

  96
 97
 98

SPIAGGIA FORESTALE
SPIAGGIA IRMINIO
SPIAGGIA RIFRISCOLARO 100 MT.
SPIAGGIA SANTA BARBARA
SPIAGGIA SCALO TRASSIA

 99
 100
101
 102
                  SPIAGGIA SCALO TRAPANESE
 REALMONTE

    ACQUEDOLCI
    GELONARDO

 104
105
106

    LIDO ROSSELLO

 107
             PERGOLE
108 RIBERA
              PUNTAGRANDE

1000 MT. N-O PINETA PLATANI
1000 MT. N-O VALLONE CORVO
1000 MT. SUD-EST MAGAZZOLO
300 MT. N-O VALLONE CORVO
BAR GRECO

109
110
111
112
113
 114
             BAR MILLEFIORI

BARACCHE
FOCE FIUME VERDURA
TAVERNA ANTONIO

115
116
SANTA CROCE CAMERINA

118 FEMMINA MORTA

119 SPIAGGIA "PUNTA SECCA" AL FARO

120 SPIAGGIA CASUZZE

121 SPIAGGIA CAUCANA

    SPIAGGIA CAUCANA
    SPIAGGIA PALMENTO

123 
SPIAGGIA TORRE DI MEZZO
SCIACCA
           CONTRADA TABIA
FOCE FIUME CARBOJ
MAKAUDA
MARAGANI
RENELI A
124
125
126
127
 128

    HENELLA
    SAN GIORGIO
    SOVARETO
    STAZIONE S. MARCO
    TIMPI RUSSI
    TONNARA DI FRONTE
    VERDURA
    VILLAGGIO SAN MARCO

129
130
131
132
 133
                  TONNARA DI FRONTE CENTRO NAUTICO
 134
                  VILLAGGIO SAN MARCO
 135
 SCICLI
            COSTA DI CARRO
LIDO DONNALUCATA
SAMPIERI SPIAGGIA
SPIAGGIA "ARIZZA"
SPIAGGIA "CAVA D'ALIGA"
SPIAGGIA "CONNALUCATA" - "HOTEL RIVIERA"
SPIAGGIA "DONNALUCATA" - A DX DEL MOLO
SPIAGGIA "DONNALUCATA" - A SX DEL MOLO
SPIAGGIA "PLAYA GRANDE"
SPIAGGIA "PLAYA GRANDE"
 136
 137
138
139
 140
 141
 142
 143 ⊕ ●
 144

SPIAGGIA PISCIOTTO
SPIAGGIA PUNTA DEL CORVO
SPIAGGIA SPINA SANTA

 146
 147
 SICULIANA

FINANZA
HERBESSO
PIETRE CADUTE
TORRE SALSA

 149
 150
 VITTORIA
VITTORIA
152 SPIAGGIA BAIA DORICA
153 SPIAGGIA CAMARANA
154 SPIAGGIA COSTA ELLENICA
155 SPIAGGIA COSTA ESPERIA
156 SPIAGGIA COSTA EUBEA
157 SPIAGGIA COSTA FENICIA
158 SPIAGGIA DI FRONTE AL GABBIANO
159 SPIAGGIA LUNGOMARE - N.C.200
SPIAGGIA LUNGOMARE - VIA DEL MA
             SPIAGGIA LUNGOMARE - VIA DEL MARE
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MARE TIRRENO

0



AS IELLO

ACITREZZA-IMM. PORTO VECCHIO 150M. NORD
CANNIZZARO VIA PEZZANA 18
MIMISS. LGOMARE SCARDAMIANO 50M. NORD
VIA A. DA MESSINA - SELENE
ALE

IN DIREZIONE COMPLESSO BAIA CALIPSO | 228
GIARDINI-NAXOS

CARVAL 100 MT A SUD DELLO SBOCCO FOGNA | 230

CUNETT. SCARICO ACQUA PARK | 231 NASO 11 ■ 100 MT OVEST TORRENTE INGANNO
121 ■ SOUTH EST CIMITERO
130 ■ STAZIONE FISS.
131 ■ STAZIONE FISS.
132 ■ STAZIONE FISS.
132 ■ STAZIONE FISS.
133 ■ STAZIONE FISS.
134 ■ FOCE RIO IMPISI
123 ■ FOCE TORRENTE ALL
135 ■ LENI RIBB BIANCHE
124 ■ FOCE TORRENTE ALL
136 ■ COMMINISTI STAZIONE
131 ■ FOCE TORRENTE CALAMACI
134 ■ FOCE TORRENTE MASTROGUGILELMO
134 ■ FOCE TORRENTE MASTROGUGILELMO
135 ■ AGNONE-BIAL CONCHIGILE-MO, S SUD FIUME
136 ■ AGNONE-BIAL CONCHIGILE-MO, S SUD FIUME
137 ■ AGNONE-BIAL SERENA-KM 1.5 SUD FIUME
138 ■ BIALA AGNONE-LIDO MURGANZIO
139 ■ BIALA AGNONE-LIDO MURGANZIO
130 ■ BIALA AGNONE-LIDO MURGANZIO
131 ■ BIANCO GISIRA-VILLAGGIO VALTUR
131 ■ BIANCO GISIRA-VILLAGGIO VALTUR
132 ■ CASTELUCCO COSTA PROSPICIENTE STAZONE
133 ■ COSTA SABADEMAN 1.5 SUD CAPO CAMPOLATO
134 ■ CASTELUCCO COSTA PROSPICIENTE STAZONE
135 ■ COZZO GALERIA-MO, S SUD CAPO CAMPOLATO
136 ■ COZZO GALERIA-MO, S SUD CAPO CAMPOLATO
137 ■ FOCE FIUME S. LEONARDO
138 ● FOCE FIUME S. LEONARDO
139 ■ KM, 0,05 SUD POCE FIUME S. LEONARDO
140 ■ MONTE SALEIAN-FARDO S.CROCE
141 ■ MONTE SALEIAN-FARDO S.CROCE
142 ■ PROSPICIENTE ERIBIO MADONNA ADONNA
143 ■ VETRANO
144 ■ VILLA MARINA-ALBERGO V.MARIINA
145 ■ CHIUSE DI CARLO - CAMPING SABBADORO
146 ■ CHIUSE DI CARLO - CAMPING SABBADORO
147 ■ FOCE TORRENTE IDRIA
148 ■ CALINA-KM 0.2 S.UD FIUME CASSIBILE
149 ■ PROCE TORRENTE IDRIA
150 ■ FOCE TORRENTE IDRIA
151 ■ PANTANELLO-LIDO FERRO DI CAVALLO
152 ■ FOCE TORRENTE IDRIA
153 ■ FOCE TORRENTE IDRIA
154 ■ PANTANELLO-LIDO FERRO DI CAVALLO
155 ■ COCTA TORRENTE IDRIA
156 ■ FOCE TORRENTE IDRIA
157 ■ FOCE TORRENTE IDRIA
158 ■ FOCE TORRENTE IDRIA
159 ■ FOCE TORRENTE IDRIA
150 ■ FOCE TORRENTE IDRIA
151 ■ CALLADA MODINO
152 ■ FOCE TORRENTE IDRIA
153 ■ COCHARLO PORTO DI CONTO
155 ■ COCTA TORRENTE IDRIA
155 ■ FOCE TORRENTE IDRIA
156 ■ FOCE TORRENTE IDRIA
157 ■ FOCE TORRENTE IDRIA
158 ■ FOCE TORRENTE IDRIA
159 ■ FOCE TORRENTE IDRIA
150 ■ FOCE TORRENTE IDRIA
151 ■ FOCE TORRENTE IDRIA
152 ■ FOCE TORRENTE IDRIA
153 ■ FOCE TORRENTE IDRIA
154 ■ PANTANELLO-LIDO FERRO DI CAVALLO NASO
245 FOCE TORRENTE NASO
NIZZA DI SICILIA
246 FOCE TORRENTE FIUMEDINISI
247 FOCE TORRENTE LANDRO FOCE TORRENTE LANDRO

356
BALATA-KM 0,3 SUD FIUME ASINARO
BALATA-KM 1,3 SUD FIUME ASINARO
BOVE MARINO
CASA LA BANCA-BALSAMO
SACO
FOCE FIUME FILLARO
GUARDIOLA-KM 1,2 NORD FOCE F. GIOI
SUBARDIOLA-KM 1,2 NORD FOCE F. GIOI
SUBARDIOLA-KM 1,2 NORD FOCE F. GIOI
SON KM 0,25 NORD FIUME GIOI
MT. 200 SUD FIUME ASINARO
MT. 250 SUD FIUME ASINARO
MT. 250 SUD FIUME TELLARO
PIZZUTA-KM 0,25 NORD MARZAMEMI
STRADA IV-COSTA REITANI
STRADA IV-COSTA REITANI
VILLAGGIO ISOLA BLU
356
357
377
378 пото 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 MT. 200 SUD FIUME ASI

MT. 250 SUD FIUME TEI

PIZZUTA-KM 0,25 SUD F

REITANI-VILLAGGIO TURISTIC

SPINAZZA-KM 0,25 NORD FI

STAMPACE-KM 0,25 NORD FI

STRADA IV-COSTA REITAN

TORRE VENDICARI

VILLAGGIO ISOLA BLU

ERI 263 (267 268 269 270 | SAJA ARCH| | 384 | 385 | 386 | 0 | 386 | 386 | 0 | 386 | 386 | 0 | 386 | 386 | 0 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 387 | 278 MAZZARRONA
PILICEDDI
PILCEMMIRIO-COSTA BIANCA
PUNTA ASPARANO
PUNTA CARROZZA
PUNTA MILOCCA-FANUSA
PUNTA SINAZZA
SACRAMENTO-CIRCOLO UNIONE
SACRAMENTO-CIRCOLO UNIONE
SACRAMENTO-EX LIDO AZZURRO
SPIAGGETTA MARINA
SPIAGGIA DELLA MADDALENA
TAVILA
TERRAUZZA TONNARA
TERRAUZZA-KM 0,3 SUD TONNARA
TERRAUZZA-KM 0,3 SUD TONNARA
TONNARA S. PANAGIA
TORRE OGNINA
VIA DEI TOLOME!
VICOLO IV ALLA MASTRARUA
VILLMINARETO-KM 0,5 FARO P.CASTELLUCCIO
ZONA INTERMEDIA CANALI A-B CIDA FANUSA
ORA
ORA 279 283 285 286 396 397 ⊕ 289 39B 399 ⊙ 290 291 292 296 PATTI CAPO TINDARI CTD GALICE MONGIOVE DI FRONTE CAMPING MARINELLO GROTTE MONGIOVE PONTILE 100 MT A EST FOGNA TORRENTE TIMETO VILLA PLAJA HOTEL VILLA ROMANA CAPRI LEONE
69 FOCE TORRENTE BARBUZZA
CARLENTINI
70 KM 0,2 NORD FILME S. LEONARDO
71 KM 0,5 NORD FOCE FILME S. LEONARDO
72 S.LEONARDO SOTTANO KM 0,5 NORD FILME
73 S.LEONARDO SOTTANO-KM 1,5 NORD FILME 298 299 300 408 ■ ZONA INTERMEDIA GANALIA-B GUA FANGA SPADAFORA 409 ■ 100 MT. O. FOCE TORRENTE PIETRA-BONCODDO 410 □ ACQUA VENA 411 ■ FOCE TORRENTE TONNARAZZA 412 ■ INIZIO CAMPO SPORTIVO 185 186 MALFA 187 301 411 FOCE TORHENTE ANTONIO

112 NINZIO CAMPO SPORTIVO

TAORMINA

413 CASTELLUCCIO 100 MT SCARICO FOGNA

414 FOCE TORRENTE SIRINA

415 FOCE TORRENTE SIRINA

416 HOTEL ATLANTIC BAY

417 HOTEL SANDREA

418 HOTEL SEA PALACE

419 HOTEL STOCKOLM

D 420 LIDO PIZZICHELLI

D 421 LIDO TROPICANA

422 SCARICO S. LEO 300 M E

423 SCARICO S. LEO 400 M W

424 STAZIONE FF.SS.

425 TRIERES

TERME VIGLIATORE 73 SLEUWIND
73 SLEUWIND
74 SLEOWARDO SOTTANO-KM 1,9 NOLID
74 200 MT. OVEST PUNTA CHIAPPE
75 200MOVEST MARINA DI CARONIA COSALAMONE
76 300 MT OVEST SCOGLIO S.BIAGIO
77 DIRETTRICE PONTE COLALIETO
78 FOCE TORRENTE BUZZA
79 FOCE TORRENTE PORTALE
79 FOCE TORRENTE PORTALE
79 FOCE TORRENTE ORTALE
80 FRAZIONE CANNETO
81 SBOCCO TORR.CARONIA
82 TORRE DEL LAURO
CATANIA 302 MALFA GALERA MALFA POLLARA MALFA TORRICELLA PUNTA FONTANELLE PIRAINO MASCALI FONDACHELLO VIA SPIAGGIA 22 TORRENTE ANGUILLARA 160 M. NORD TORRENTE ANGUILLARA 160 M. SUD TORRENTE MACCHIA 225 MT. NORD TORRENTE MACCHIA 225 MT. SUD 191 192 193 TORRENTE MACCHIA 225 MT. SUD

A

100 MT SUD 'PERLA AZZURRA' MILI MOLETI
100 MT SUD FOGN.COMUN. N.34 S.MARGHERITA
100 MT SUD HOTEL GASBIANO PONTE SCHIAVO
150 MT AD EST FRAZIONE CASABIANCA
200 MT. NORD STAZIONE GIAMPILIERI
200 MT. OVEST LIDO SABBIA D'ORO
1200 CANALE DEGLI INGLESI TORREFARO
1201 CAPO ROSOCOLMO
121 CHOR SABBIA
1201 CHOR S MESSINA
196 197
198 199
200 201
201 202
203 203
204 205
207 208
207 209
210 212
212 213 214
215 217
218 219
220 220
222 222 NIA

CONTRADA VACCARIZZO

CONTRADA VACCARIZZO-VILLAGGIO DELFINO
GORNALUNGA - VILLAGGIO NETTUNO
IMMISSIONE PIAZZA EUROPA 15 M. NORD
IMMISSIONE PIAZZA EUROPA 15 M. SUD
PARADISO DEGLI ARANCI: CAMPO DI MARE
PARADISO DEGLI ARANCI: CAMPO DI MARE
PARADISO DEGLI ARANCI: VILLAGGIO AZZURRO
PLAIA - CANALE ARCI: 100 M. NORD
PLAIA - CANALE FORCILE 100 M. SUD
PLAIA - CANALE FORCILE 100 M. SUD
PLAIA - CANALE FORCILE 100 M. SUD
PLAIA - TORRENTE ACQUICELLA 230 M. SUD
SAN GIOVANNI LI CUTI
STAZIONE CENTRALE
VIA DEI VILLINI A MARE
VIA DEI VILLINI A MARE

VIA DEI VILLINI A MARE 83 84 85 86 87 88 89 424 STAZIONE FINANCIA
425 THERES
TERME VIGLIATORE
426 100 M & SCARICO C/DA ACQUITTA
427 100 M W SCARICO C/DA ACQUITTA
428 LIDO CTD MARCHESANI
429 VILLAGGIO CIAPPAZZI
TORREGROTTA
430 CORSO SICILIA
431 TORR. FONDACHELLO 200 M W
TORRENOVA
432 150 M E STAZIONE FF.SS. ZAPPULLA
433 FOCE TORR. PLATANIA COND. SOTTOMARINA
434 FOCE TORRENTE FAVARA
435 FOCE TORRENTE FAVARA
435 FOCE TORRENTE FAVARA
435 TORRENTE SAPPULLA 250 M W
TUSA 315 PORTO-CAMPING CAPO PASSERO
316 SCALO MANDRIE-ISOLA CAPO PASSERO
317 TONNARA CAPO PASSERO
PRIOLO GARGALLO
318 200 MT. NORD SCARICO COGEMA
319 200 MT. NORD SCARICO ENEL
320 € 200 MT. SUD SCARICO COGEMA
321 200 MT. SUD SCARICO ENEL
322 € DA FORTINO PEN.MAGNISI A KM 0,2 C.ENEL
REITANO
323 FRAZIONE VILLA MARGI
RIPOSTO
324 € PRAIOLA C. DA GANCIA 90 91 92 93 94 95 96 97 434 435 4 436 4 7 TUSA 437 438 439 440 441 98 • VIALE KENNEDY 91
FALCONE
99 • 200 MT. EST FOCE TORRENTE ELICONA
100 • DI FRONTE RISTORANTE SOLEADO
FIUMEFREDDO DI SICILIA
101 • FIUME FIUMEFREDDO
102 • SORGENTE C. DA PALITTO
103 • TORRENTE FORCHE
104 • TORRENTE GURNA
FORZA D'AGRÓ
105 • FOCE TORRENTE FONDACO PARRINO
FURCI SICULO
106 • FOCE TORRENTE PAGLIARA FOCE TORRENTE PALÍ FOCE TORRENTE TUSA FRAZIONE CASTEL DI TUSA FRAZIONE MILIANNI SCARICO ACQUE TORRENTE NACCHIO MARALLO 331 VALLONE BABBO
ROCCALUMERA
332 FOCE TORRENTE ALLUME
333 FOCE TORRENTE SCIGLIO
334 VIA MIRONE - STAB. SPEDA
ROMETTA
100 M EST FOCE TORRENTE PIETRA-441 SCARICO ACQUE TORRENIE NAUCORIO INVENETICO
442 CONFINE EST FABBRICA VACCARINO
443 IN DIREZIONE VIA SICILIA
444 VIA V.E. ORLANDO
VILLAFRANCA TIRRENA
445 CALCIFICIO SIGAL
446 DITTA MOI MOSCHELLA
447 FIUMARIA GALLO MILAZZO 100 M. EST FOCE TORRENTE PIETRA-BONCODDO
 DIRETTRICE COMPLESSO SABBIE D'ORO
 DIRETTRICE TORRENTE SCAGLIOLA
 DIRETTRICE VIA DEL MARE FOCE TORRENTE PAGLIARA
FOCE TORRENTE SAVOCA ANGONIA TONO
 CAMPEGGIO SAIONARA-CROCE DEL TINDARO
 DI FRONTE CASA D'AMICO
 DIRETTRICE CONDOTTA SOTTOMARINA

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AFRICO
             STAZ. FF.SS.
TORRE DEL CAPO CHIOSCO GALLERIA
            VILLAGGIO LA VERDE
ARDORE

    COMPLESSO TOTAL
    KM 89 DELLA SS 106
    TORR CONE
            COMPLESSO TURISTICO

    KM 92 - TORR. CONDOIANNI
    LIDO ARDORE

BAGNARA CALABRA
 BIANCO
            CAMPING
CAMPING IONIO BLU
 13
 14

    KM 82 DELLA SS 106
    STAZ. FF.SS.
    TORRENTE VALLONE

BOVA MARINA
 BOVA MARINA

18  BOVA EST

19  CAMPING LA PERLA IONICA

20  CENTRO 200 MT EST RADA AZZURRA

21  DISCOTECA MIRAMARE

    KM 49 DELLA SS 106
    KM 50 DELLA SS 106
    VILLAGGIO COSTA DEI SARACENI

BOVALINO

    EUR HOTEL
    FINE LUNGOMARE NORD

         ● KM 85 DELLA SS 106
● STAB.BALNEARE
BRANCALEONE

    ALTALIA
    GALATI
    I.D. BRANCALEONE
 31
CAMINI
36 • CASA CANTONIERA
37 • KM 133,5 DELLA SS 106
CASIGNANA
38 • CASIGNANA KM 83
 CAULONIA
 39 ○ ● BAR
40 ● CAMPING CALIPSO
41 ● CAMPING PALAFITTE

    CAMPO TENNIS
    CLUB TAM TAM

 CONDOFURI
44 ⊕ 600 M E F.RA AMENDOLEA
45 ⊕ BOSCHETTO
46 ⊕ CENTRO
47 ⊕ CRISAPULLI
FERRUZZANO

    KM 68.5 DELLA SS 106
    STAZ. FF.SS.

GIOIA TAURO

50 © 200 M.PETRACE

51 ⊕ PONTILE N

52 ⊕ PONTILE S

53 ⊕ SIDAC
 GROTTERIA
         CENTRO ABITATO
LOCRI
 MONTEBELLO IONICO

LAZZARO - SALINE STAZ. FF.SS.
MUSA S.ELIA
OFFICINE FF.SS.

 MOTTA SAN GIOVANNI
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LAZZARO - LIDO SOGNO

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    LAZZARO - RIACE
    LAZZARO - RISTORANTE FARO
    LAZZARO - TORRENTE S.VINCENZO 200 MT
    LAZZARO - TORRENTE S.VINCENZO 200 MT

  81
 PALIZZI

    CAMPING DOCCICA
    KM 57 DELLA SS 106
    PALIZZI OVEST
  84
  85
  86
 87 • SPROPOLI
88 • STAZ. FF.SS
 PALMI

LIDO LA QUIETE
LIDO MIAMI
LIDO PIERINO
MARINELLA
PORTO TONNARA
SCOGLIO DELL'ULIVO
VILLAGGIO DUE PINI
  89
  90
  92
  93
 PORTIGLIOLA
96 CAMPING HELLIES
REGGIO CALABRIA

LIDU COMUNALE VILLA ZERBI
OASI
PELLARO - LUME
PELLARO - MARTORANA
PELLARO - OCCHIO DI PELLARO
PENTIMELE

 113
 115
 116
 117
RIACE

    RISTORANTE LA SCOGLIERA
    RISTORANTE STELLA MARINA
    STAZ.FF.SS.

 122
 123
 ROCCELLA IONICA

125 CAMPING ALBABIANCA

126 CAMPING HOLLIDAY PARK
           CIMITERO
 127
 128 HOTEL GIANFRANCO
129 C LIDO LA CALURA
130 C STAZ. FF.SS.
SAN FERDINANDO

    CAMPING PORTA DEL SOLE
    CENTRO
    CONVENTO
    DELTA MESIMA

 131
 132
 133
 134
            LIDO VASCELLO
 SAN LORENZO
 136 • ABITATO
137 • TORRE DEL SALTO
SANT'ILARIO DELLO IONIO

    STABIL.BALNEARE

 SCILLA

    200 M N VALLONE CONDOLEO
    CHIESA SAN GIUSEPPE

 139
 140

    DEPURATORE
    GDF (FAVAZZINA)
    LIDO COSTA VIOLA

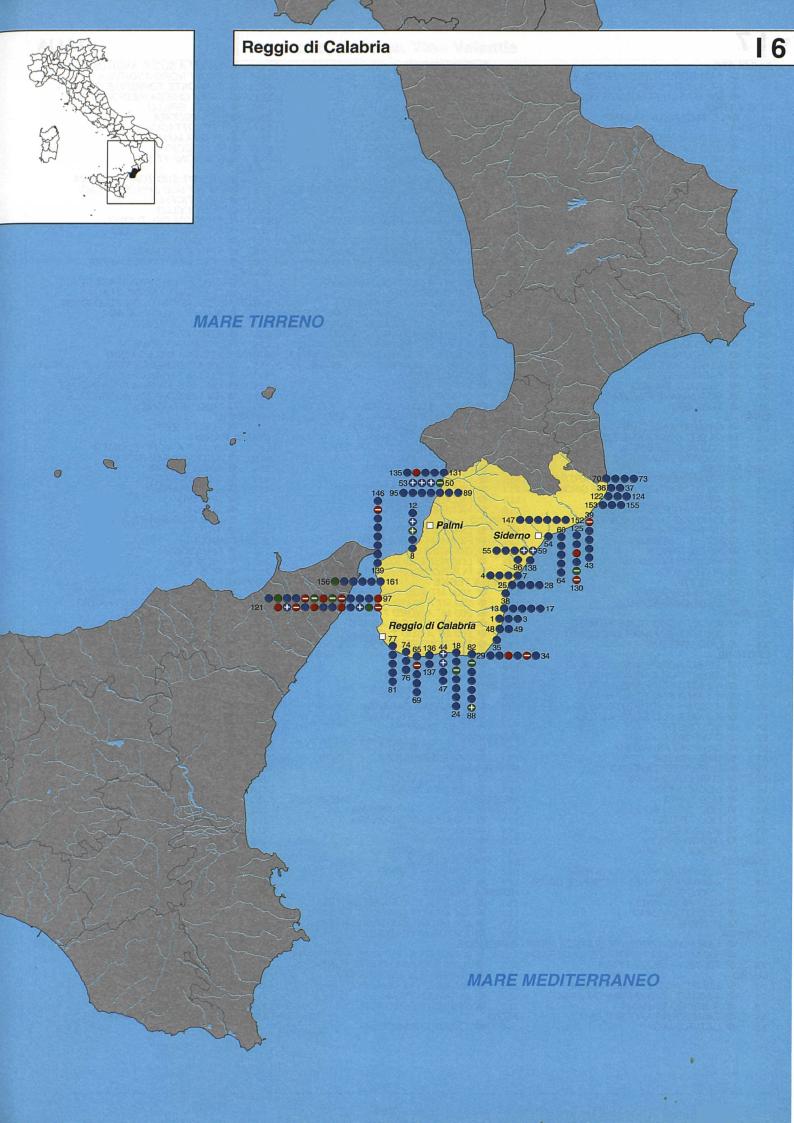
 142
 143
 144 • MONACINA
145 • SCUOLA ELEMENTARE
146 • SPIRITO SANTO
 SIDERNO
               CASA DI CURA TORRENTE GARINO
           CASA DI CURA TCFABB.MATERAZZI
 148

    PABB.MATERAZZI
    HOTEL PRESIDENT TORRENTE NOVITO
    KM 106.5 DELLA SS 106
    PASSAGGIO A LIVELLO VIA TASSO
    TORRENTE BIFERA LATO SIDERNO

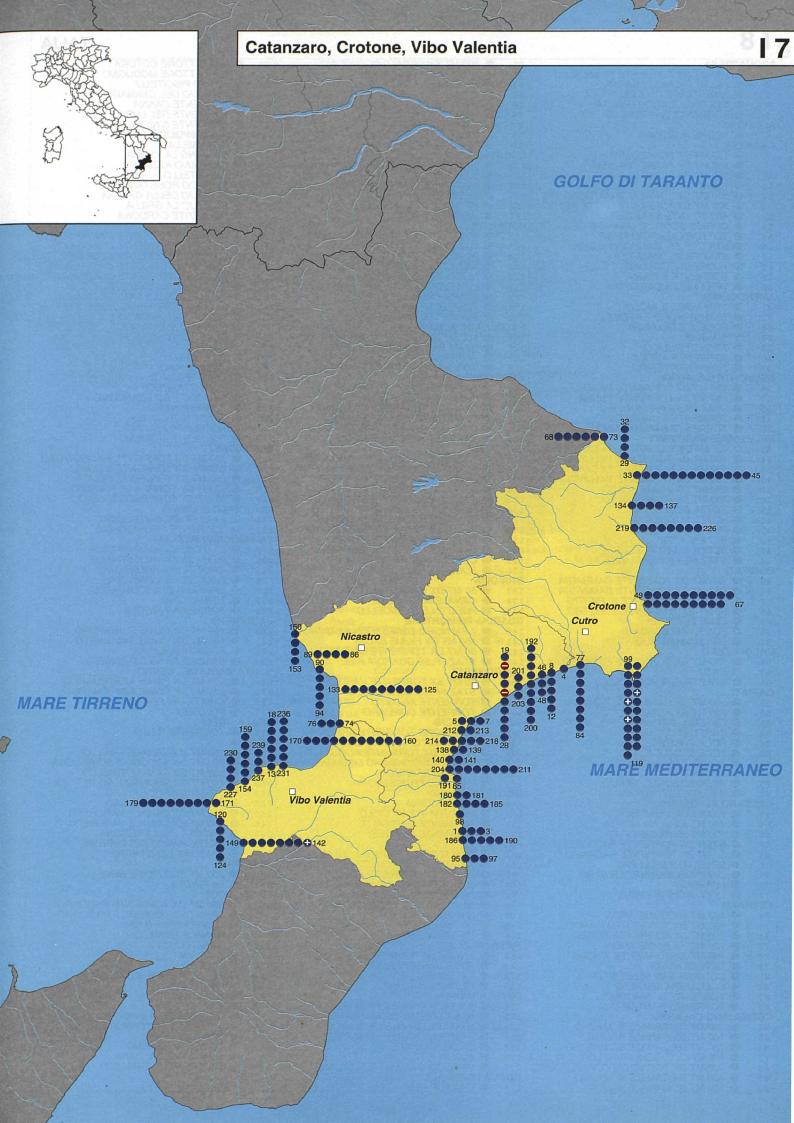
 149
 150
 151
 STIGNANO
           CAMPING LA PLAIA
KM 126 DELLA SS 106
 153
 154
VILLA SAN GIOVANNI
156  300 M. NORD PUNTO 031 RIST. LA BOTTE
157  ACCIARELLO

    CENTRO CANNITELLO OSP.NUOVO
    LIDO KALURA

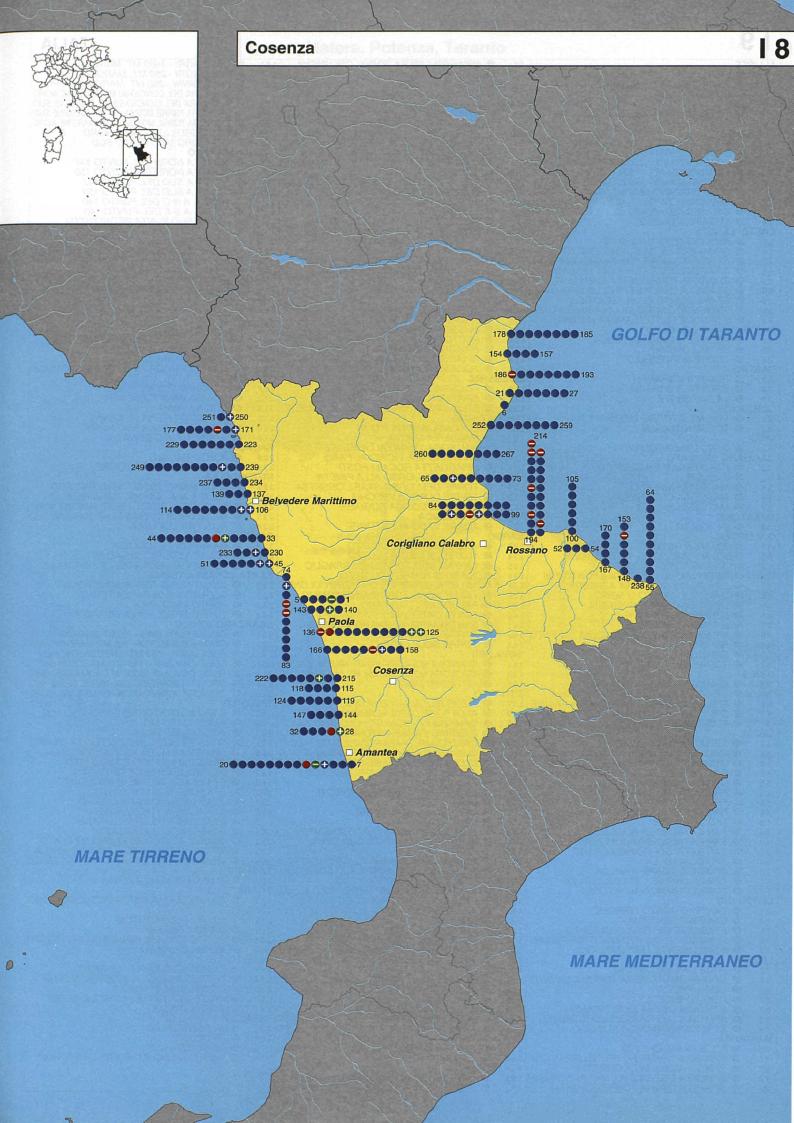
 160
           MARINA PORTICELLO
 161
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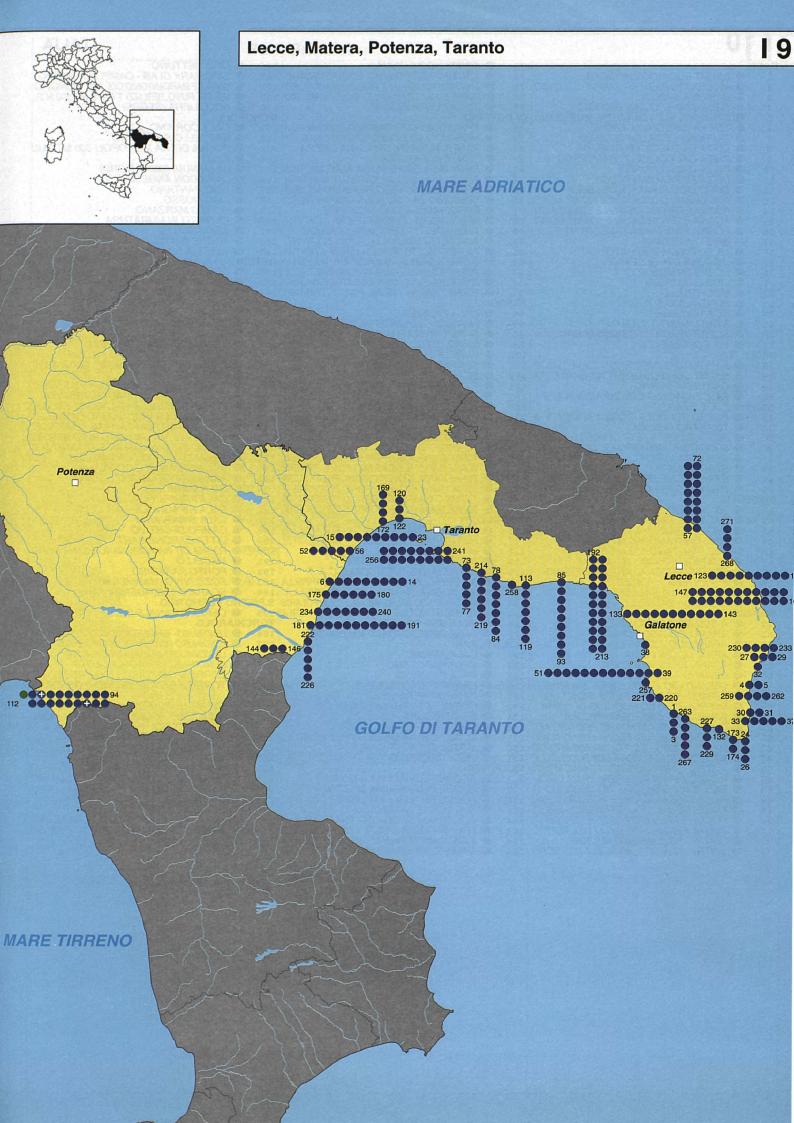
- L 7		ITALIA
BADOLATO	82 • EUCALIPTUS	161 200 MT A SUD F. ANGITOLA
1 0 1 KM NORD TORRENTE VODA	83 LIDO DEL SOLE	162 600 MT NORD ANGITOLA
2 • 1 KM SUD FIUME GALLIPARI 3 • 500 MT SUD TORRENTE VODÁ	84 LIDO DEL SOLE 1 DAVOLI	163 DI FRONTE TORRENTE QUERCIA 164 DIREZ CHIESA PIEDIGROTTA
BELCASTRO	85 LIDO GOLDEN	165 HOTEL GRILLO
4 • LOCALITÁMAGLIACANE	FALERNA	166 LIDO ISIDORA
BORGIA	86 BAR VITTORIA	167 LIDO OTTAGONO
5 • LIDO CALABRISELLA 6 • LIDO CAMPING MAZZA	87 • EUROLIDO 88 • HOTEL OLD AMERICA 89 • HOTEL TORINO 2 GIZZERIA	168 PINETA MARE 169 PORTICCIOLO
7 • LIDO ROCCELLETTA	89 HOTEL TORINO 2	170 • STAZIONE FF.SS.
BOTRICELLO		RICADI
8 300 MT NORD FIUME CROCCHIO	90 200 MT NORD FIUME CASALE	171 • 1400 MT.SUD TORRE MARINA
9 LIDO BOTRICELLO 10 LOCALITABOTRO	91 DIREZIONE ALLEVAMENTO ANGUILLE 92 LIDO CAPO SUVERO	172 • 700 MT SUD SPIAGGIA RIACI 173 • GROTTICELLE
11 LOCALITÁCINÓ	93 • LIDO S.ANTONIO	174 PORTICELLO
12 • LOCALITÁS.PIETRO	94 RISTORANTE PESCE FRESCO	175 SPIAGGIA DEL TUONO
BRIATICO	GUARDAVALLE	176 SPIAGGIA FORMICOLI
13	95	177 SPIAGGIA RIACI 178 SPIAGGIA S.MARIA
14 • LA ROCCHETTA 15 • LOCALITÁCOCCA	97 • A 3 KM.TORRENTE SAN GIORGIO	178 SPIAGGIA S.MARIA 179 SPIAGGIA TORRE MARINA
16 LOCALITÁS.GIUSEPPE	ISCA SULLO IONIO	SAN SOSTENE
17 • LOCALITAS.IRENE	98 • 200 MT A NORD T. GALLIPARI	180 • 1 KM A NORD FIUME ALACA
18 PUNTA SAFO	ISOLA DI CAPO RIZZUTO	181 DI FRONTE FIUME ALACA SANT'ANDREA APOSTOLO DELLO IONIO
CATANZARO 19 200 MT A NORD F. ALLI	99 • 1 KM NORD CAPO CIMITI 100 • 500 MT NORD VILLAGGIO CAPO RIZZUTO	
20 @ 200 MT A SUD F. CORACE	101 • 500 MT SUD VILLAGGIO CAPO RIZZUTO	
21 • BELLINO	102 A 1 KM NORD CAPO BIANCO	184 • STAZ. FF.SS.
22 CAPITANERIA DI PORTO	103 ⊕ A 1 KM SUD PUNTA FRATTE	185 VILLAGGIO COMETA
23 © CASE U.N.R.A.	104 A 500 MT A NORD CAPO MARINELLA	SANTA CATERINA DELLO IONIO
24 FIUME CASTACE 25 PALACE HOTEL	105 ⊕ ■ A 500 MT NORD PUNTA FRATTE 106 ■ CAPO BIANCO	186
26 PALAZZO BIANCO	107 • CAPO PICCOLO	188 • KM 148,5 STRADA PROVINCIALE
27 • RISTORANTE PORTO	108 CENTRO ABITATO	189 • KM 149 STRADA PROVINCIALE
28 TIBI DABO	109 CLUB LE CASTELLA 1	190 • LIDO LA TORRE
CIRO 29 CARAFUNO DI CAPPELLIERI	110 CORRISPONDENTE VALTUR 111 DI FRONTE CAPO CIMITI	SATRIANO 191 • LOC FAZZARO
30 CASELLO 194 (MARINELLA)	112 DI FRONTE VILLAGGIO	SELLIA MARINA
31 COSTA ELISABETTA	113 + DIREZIONE BOSCO FRATTE	192 200 MT A NORD F. SIMERI
32 VOLVITO RESIDENCE	114 HOTEL CLUB LE CASTELLA 115 LOCALITÁSOVERETO	193 ANTENNA AMERICANI
CIRO MARINA		194 ASSO DI FIORI
33	116 PRAIALONGA 117 VILLAGGIO CAPO RIZZUTO	195 • OMO MORTO 196 • RIVACHIARA
35 • ARMERIA	118 • VILLAGGIO SELENO	197 • SAGAPÓ
36 CAMPING PUNTA ALICE	119 • VILLAGGIO TUCANO	198 • SIRIO
37 CAMPING TORRE NOVA	JOPPOLO	199 SPIAGGIA SOVERIA S.
38	120 CAMPO SPORTIVO 121 FIUMARA DELLA MORTE	200 TRITON SIMERI CRICHI
40 HOTEL RANCH	122 • GIARDINELLO	201 • MARINCOLI
41 MADONNA DI MARE	123 • LOCALITÁCORIZZI	202 PILACCO
42 PUNTA ALICE	124 PORTICCIOLO	203 ROBINSON
43 • VURGHE 44 • ZONA FEUDO	LAMEZIA TERME	SOVERATO 204 200 MT A NORD T. SOVERATO
45 OZONA MONTEDISON	126 • 200 MT A NORD F. AMATO	205 200 MT A SUD T. SOVERATO
CROPANI	127 • 200 MT A NORD T. BAGNI	206 CAMPING GLAUCO
46 300 MT NORD FIUME FRASSO	128 • 200 MT A SUD F. AMATO	207 DIR.DON PEDRO
47 300 MT SUD FIUME CROCCHIO 48 LIDO CROPANI	129 • 200 MT A SUD T. BAGNI 130 • DIREZIONE STAZ. FF.SS. S.PIETRO AMAIDA	208 DIR.POLIZIA STRADALE
CROTONE	131 • LA CONCHIGLIA	210 • LIDO OTTAGONO
49 0 500 MT NORD CAPO COLONNA	132 • LIDO GINEPRI	211 S.DOMENICO
50 500 MT SUD CAPO COLONNA	133 LIDO MARINELLA	SQUILLACE
51 A 2 KM A SUD FIUME NETO 52 A 4 KM A SUD FIUME NETO	MELISSA 134 • LIDO CAVALLARO	212 • LIDO CIN-CIN 213 • LIDO NAPOLI
52 • A 4 KM A SUD FIUME NETO 53 • A 500 MT A SUD FIUME NETO	135 • PALAZZINA CAPARRA	STALETTI
54 A 6 KM A SUD FIUME NETO	136 OZONA DEPURATORE	214 CAMINIA
55 BOSCHETTO	137 OZONA TAVERNA	215 LIDO GUGLIELMO
56 CAMPING ALFIERI	MONTAURO	216 • LIDO PIETRAGRANDE
57 • CAMPING PARADISO 58 • CASA ROSSA	138 LIDO AZZURRO 139 LIDO LA PERGOLA	217 • LIDO VITALE 218 • RISTORANTE BILBÓ
59 DI FRONTE CIMITERO	MONTEPAONE	STRONGOLI
60 GABELLA GRANDE	140 LIDO ESTELLA	219 300 MT NORD FIUME NETO
61 LIDO AURORA	141 • LIDO SOLEADO	220 CASA CANTONIERA
62 LIDO CATIA 63 LIDO DEGLI SCOGLI	NICOTERA 142 ⊕ ● 200 MT A DX F. MESIMA	221
64 LIDO TRICOLI	143 • 800 MT SUD SAJONARA	223 • LIDO IONDOLINO
65 MAGNA GRECIA	144 • LIDO MEDAMEO	224 PALAZZINA IQNÁ
66 S.LEONARDO	145 LIDO OASI	225 SANTA FOCÁ
67 SCUOLA S.ANNA CRUCOLI	146 • LIDO SAJONARA 147 • PRAICCIOLA	226 TORRE BORGATORIO TROPEA
68 • A 200 MT.NORD DEPURATORE	147 PRAICCIOLA 148 SPIAGGIA TORRE	227 • 300 MT MARINA DELL'ISOLA
69 A 300 MT.SUD DEL TORRENTE CASSIA	149 • VALTUR	228 LIDO "LE ROCCETTE"
70 LIDO BRUTIUM	NOCERA TIRINESE	229 MARINA DELL'ISOLA
71 LIDO FICO D'INDIA	150 • 200 MT A SUD FIUME SAVUTO	230 SPIAGGIA CLUB ALDIANA VIBO VALENTIA
72 • LIDO OTTAGONO 73 • OLIVARETTO	151	231 • 200 MT A DX T. TRAINITI
CURINGA	153 • RISTORANTE MARIS	232 300 MT NORD TORRENTE S.ANNA
74 • 1 KM NORD TORRENTE DI MEZZA PRAIA	PARGHELIA	233 FOSSO INDUSTRIALE PORTO SALVO
75 0 500 MT NORD TORRENTE S.EUFRASIA		234 • LIDO LA CAPANNINA
76 TORRE DI MEZZA PRAIA	155 • A 700 MT.NORD PUNTA TONNARA 156 • PUNTA DELLA TONNARA	235 LIDO LA MARINELLA 236 LIDO PROSERPINA
77 200 MT. NORD FIUME TACINA	157 SCOGLIO PALOMBARO	ZAMBRONE
78 A 500 MT FOSSO CAMPO LONGO	158 SCOGLIO RINGA	237 • 200 MT A SX F. POTAME
79 • ALBERGO MADAMA	159 SPIAGGIA CONTURA	238 CAPO COZZO
80 CAMPEGGIO ARCOBALENO 81 CATERISANO	PIZZO 160 • 1 KM SUD ANGITOLA	239 SPIAGGIA ZAMBRONE
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1			
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10 MT DX FILME FORMS			
AMANTED 9 100 MT DX FUME CULVA 1 100 MT DX FUME CORBIDO 10 MT DX FUME FUME CORBIDO 10 MT DX FUME FUME FUME CORBIDO 10 MT DX FUME FUME FUME FUME FUME FUME FUME FUME			
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20 ■ VENA DELLA CARRETTA 111 ■ L'A GUARDIOLA 122 ■ 1200 MT NORD IL MOLO 123 ■ 1200 MT NORD IL MOLO 124 ■ 1200 MT NORD IL MOLO 125 ■ FORCE T STRAFACE 126 ■ 170 MT ST STRAFACE 127 ■ TORRETTE AURONA 128 ■ FORCE T STRAFACE 129 ■ TORRETTE AURONA 120 ■ TORRETTE AURONA 120 ■ TORRETTE AURONA 121 ■ TORRETTE AURONA 121 ■ TORRETTE AURONA 122 ■ TORRETTE AURONA 123 ■ SOM TON TORRETTE AURONA 124 ■ TORRETTE AURONA 125 ■ TORRETTE AURONA 126 ■ 100 MT D'S TORRETTE AURONA 127 ■ ALBERDO PHARIDISO 128 ■ 100 MT D'S TORRETTE AURONA 129 ■ TORRETTE SARRARA 120 ■ TORRETTE SARRARA 120 ■ TORRETTE SARRARA 121 ■ SOM TON TORRETTE VARDAN 122 ■ SOM TON TORRETTE VARDAN 123 ■ TORRETTE SARRARA 123 ■ TORRETTE SARRARA 124 ■ TORRETTE VARDAN 125 ■ MOT TON TORRETTE VARDAN 126 ■ 100 MT SX T. DIMAREL TA CAPO TIRONE 126 ■ 100 MT SX T. DIMAREL TA CAPO TIRONE 126 ■ 100 MT SX T. DIMAREL TA CAPO TIRONE 127 ■ SOM TON TORRETTE MARIANA 128 ■ HOTELE BLEVEDERE 129 ■ HOTELE BLEVEDERE 130 ■ SOM TON TORRETTE BLANDALENA 131 ■ SOM TON TORRETTE BLANDALENA 132 ■ HOTELE BLEVEDERE 133 ■ SOM TON TORRETTE BLANDALENA 134 ■ SOM TON TORRETTE BLANDALENA 135 ■ HOTELE BLEVEDERE 136 ■ SOM TON TORRETTE BLANDALENA 137 ■ SOM TON TORRETTE BLANDALENA 138 ■ SOM TON TORRETTE BLANDALENA 139 ■ HOTELE BLEVEDERE 130 ■ SOM TON TORRETTE BLANDALENA 131 ■ SOM TON TORRETTE BLANDALENA 132 ■ SOM TON TORRETTE BLANDALENA 134 ■ SOM TON TORRETTE BLANDALENA 135 ■ SOM TON TORRETTE BLANDALENA 136 ■ TORRETTE CORRETTE 137 ■ SOM TON TORRETTE BLANDALENA 138 ■ SOM TON TORRETTE BLANDALENA 139 ■ HOTELE BLEVEDERE 130 ■ SOM TON TORRETTE BLANDALENA 131 ■ SOM TON TORRETTE BLANDALENA 132 ■ SOM TON TORRETTE BLANDALENA 134 ■ SOM TON TORRETTE BLANDALENA 135 ■ SOM TON TORRETTE BLANDALENA 136 ■ SOM TON TORRETTE BLANDALENA 137 ■ SOM TON TORRETTE BLANDALENA 138 ■ SOM TON TORRETTE BLANDALENA 139 ■ HOTELE BLEVEDERE 130 ■ SOM TON TORRETTE BLANDALENA 131 ■ SOM TON TORRETTE BLANDALENA 132 ■ SOM TON TORRETTE BLANDALENA 134 ■ SOM TON TORRETTE BLANDALENA 135 ■ SOM			
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68		157 • TORRENTE RONDESI	
69		PAOLA	
1	69 • 50 MT SX TORRENTE RAGANELLO	158 • 100 MT DX TORRENTE S. FRANCESCO	249 VALLONE DEI CARPINI
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80	79 • CAVINIA NORD	168 TORRENTE CALAMITI	
81	80 • COLONIA SAN BENEDETTO	169 • VALLONE CUPO	259 TORRENTE ANGELONI
83	81 SCOGLIERA DEI RIZZI	170 • VILLAGGIO IRENE	
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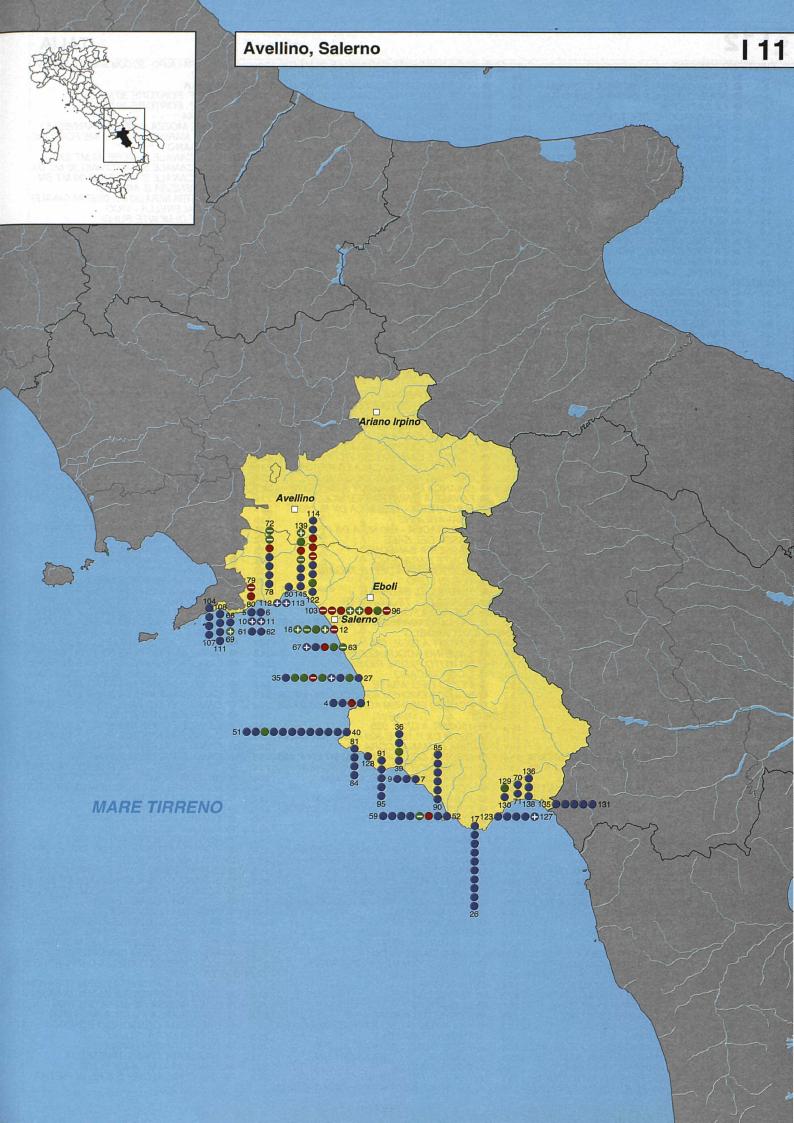
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9 POCE BRADANO - 150 MT. MARGINE SUD! 100 9 CERSUTA SPIAGGIA 12 PROVED REPAIRMON - 150 MT. MARGINE SUD! 101 9 CONTREP FOREMA - 250 MT. MARGINE SUD! 101 9	147
10	
12 ● DROYGRA METAPONTO - SMIT. MARGINE SUD 104 ■ FLOCATION CORPT ON NORD 105 ● DROYGRA METAPONTO - SMIT. MARGINE SUD 104 ■ FLUCALIO. SPRAGGIA NORD 105 ● PIMOR DEI TESSALI-CABINE 115 ● PIMOR DEI TESSALI-CABINE 116 ● PIMOR DEI TESSALI-CABINE 117 ● PIMOR DEI TESSALI-CABINE 118 ● PIMOR DEI TESSALI-CABINE 119 ● PIMOR DEI TESSALI-CABINE 110 ● PIMOR DEI TESSALI-CABINE 110 ● PIMOR DEI TESSALI-CABINE 111 ● PIMOR DEI TESSALI-CABINE 112 ● PIMOR DEI METAPONI DEI MARCARRO 113 ● PIMOR DEI LESSA PIMOR DEI TESSALI-CABINE 113 ● PIMOR DEI LESSA PIMOR DEI TESSALI-CABINE 114 ● PIMOR DEI LESSA PIMOR DEI TESSALI-CABINE 115 ● PIMOR DEI LESSA PIMOR DEI TESSALI-CABINE 116 ● PIMOR DEI LESSA PIMOR DEI TESSALI-CABINE 117 ● PIMOR DEI LESSA PIMOR DEI LE	
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14 M.ETAPONTO LIDO 105 FILMICELLO - SPAGGIA NORD 105 SPAGGIA LIBERA BORGO PINTO 105 SPAGGIA LIBERA BORGO PINTO 105 SPAGGIA LIBERA BORGO PINTO 105 MARINA DI STERSAL 105 MARINA DI STERSA SPIAGGIA 105 MARINA DI STERSAL 105 MARINA DI STERSAL DEPARTA DEL PARTA DE	
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## MASSERIA DEL PIZZO ## MASSERIA DEL PIZZO ## MASSERIA DEL PIZZO ## MF 500 NORD SC. DISTILLERIA SALENTO ## PIAGGIA LIDO PICCOLO ## PIAGGIA LIDO PICCOLO ## DIROUGE PIZZO ## DIROUGE NOVA SIRI 150 MT. MARGINE NORD ## DIROUGE NOVA SI	VA.
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LIZZANO SPIAGGIA CASELLO 20-MOLO SINISTRO UGENTO	
78 FOCE CANALE OSTONI PATÚ PATÚ 263 CAMPEGGIO RIVA DI UGENT	
79	IN CLUB
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82 ● SPIAGGIA LIBERA LIDO CIRANELLO 175 ● CASELLO 48 LIDO 267 ● TORRE MOZZA	
83 SPIAGGIA LIBERA PICCOLO RITROVO 176 FOCE BASENTO - 450 MT. MARGINE SUD VERNOLE	
84 STABILIMENTO ONDA BLU LIDO 177 FOCE CAVONE - 150 MT. MARGINE NORD 268 AL PONTICELLO	
MANDURIA 178	
85	DEL SUD
87 SPIAGGIA LIBERA LA CORSICA POLICORO	
88 • SPIAGGIA LIBERA S PIETRO IN BEVAGNA 181 • CANALE SCOLMATORE - 50 MT. MARGINE NORD	
89 SPIAGGIA LIBERA TORRE BORACO 182 CANALE SCOLMATORE - 50 MT. MARGINE SUD	



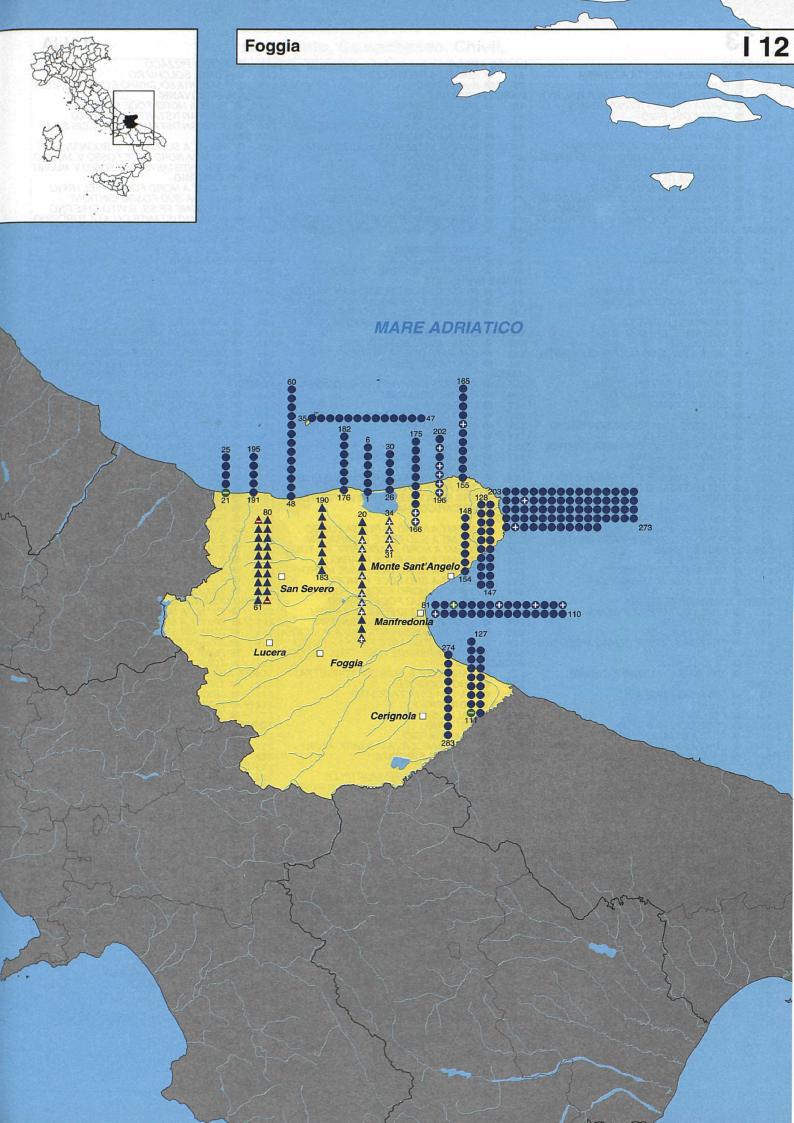
DADI			CDITTO LUDO C ANNA		LIDO NETTUNO
BARI	A AND ME CUR LURO LURONOLA	74	SBITRI LIDO S ANNA		LIDO NETTUNO
1	200 MT SUD LIDO LUCCIOLA ACCUEDATA PUBLIFICA CAMPINA S CIORGIA		SBITRI VECCHIO LIDO ACQUE CHIARE TOURGETO CANALE PEALE 250 MT. NORD		LIDO PARK CLAB - CAMPO SPORTIVO
2	ACQUEDOTTO PUGLIESE - CAMPING S.GIORGIO	76	T. GUACETO - CANALE REALE 250 MT. NORD		LUNG.RE MARCANTONIO COL.ANG. MUNICIPIO
3	BASILICA S NICOLA		TORRE GUACETO - CANALE REALE 250 MT. SUD		SC. CIT.RUVO TERLIZZI T.CALD.NO 500 M.S.
4	CALA CAMPING SAN GIORGIO		ONA PUNTA PENNE		SCOGLIERA (SERRE)
5	CANALONE SUD - CANALONE VALENZANO	CARO		MONOP	
6	CURVA CIRCONVALAZIONE				CALA CORVINO
7	DI FRONTE STRADA PIZZILLO	80	MORGICCHIO LIDO SABBIA D'ORO		CASTELLO S STEFANO
8	DITTA CACUCCIOLO FILIPPO	81	PANTANAGIANNI SPIAGGIA LIBERA		FOGNA CIT.NA MONOPOLI 500 MT SUD
9	DITTA CACUCCIOLO FRANCESCO	82	PUNTA BUFALORIA		IUMO
10	DITTA GALLO - IURLO	83		155	LA MANDIA (200 M NORD)
11	DITTA MERIDIONALPESCA	84	PUNTA PENNA GROSSA (OSPEDALE DI SUMMA)	156	LAMA DON ANGELO
12	DOPO LIDO PISANI (100 M SUD)	85	SPECCHIOLA SCARICÒ FOGNA 500 MT. SUÓ	157	LIDO PANTANO
13	FOGNA BARI OCCIDENTALE 500 MT NORD	86	SPECCHIOLLA - SC. FOGNA 500 MT NORD	158	LIDO ROSSO
14	FOGNA BARI OCCIDENTALE 500 MT SUD	87	SPECCHIOLLA LIDO BELFIORE	159	PORTO MARZANO
15	FOGNA BARI ORIENTALE 500 MT NORD	88	SPECCHIOLLA SPIAGGIA LIBERA A DESTRA	160	RECINTO IN MURATURA
16	FOGNA BARI ORIENTALE 500 MT SUD	89	T. GUACETO - EMISSARIO PALUDE	161	SILOS GIALLO
17	GROTTA REGINA	90	TORRE GUACETO CALA ANTISTANTE	162	TORRE CINTOLA
18	LA ROTONDA S SPIRITO	91	TORRE GUACETO SPIAGGIA LIBERA A DESTRA	163	VILLETTA SOLITARIA CON TEGOLE ROSSE
19	LIDO POLIZIA DI STATO	92	TORRE S SABINA - "LA NOSTRA FAMIGLIA"	OSTUNI	
20	LIDO S FRANCESCO	93	TORRE S SABINA - CALA IN FONDO AL PAESE	164	COSTA MERLATA DI FRONTE A VIA DEL MARE
21	LIDO S GIORGIO		TORRE S SABINA - DX "LA NOSTRA FAMIGLIA"	165	COSTA MERLATA STRADA CON CASA ROSSA
22	LIDO TRULLO		TORRE S SABINA - VICINO PORTO TURISTICO		DIANA MARINA S DIANA MARINA
23	PUNTA LIDO TITOLO	FASAN		167	FIUME MORELLO LIDO MORELLI
24	SCARICO ENEL		CALA PALMIERI	168	FOSSO PUNTORE DI FRONTE STRADA VICINALE
25	STABILIMENTO "LA BAIA"				LAMAFORCA CALA A SINISTRA
26	SUPERMERCATO GS (200 M NORD)				LOCALITÁ PROCACCIO
	VIA FONTANELLA		SAVELLETRI LIDO SIRENETTA		MONTICELLI S MONTICELLI
BARLE			SAVELLETRI RISTORANTE "LA SORGENTE"		PILONE LIDO CAMPING PILONE
	2' SFIORATORE EMERGENZA V. CAMPOSANTO		SCARICO IMARFA 200 M. NORD	173	PILONE S LIBERA (PRIMA DEL DISTR AGIP)
29	500 MT SUD FOGNA CIT.NA BARLETTA		SCARICO IMARFA 200 M. NORD	174	ROSA MARINA
30	CARTIERA BURGO				T.POZZELLA - SC. VALTUR 200 MT NORD
31	FALCE VIAGGIO CORSO ACQUA N. 2		TORRE CANNE DI FRONTE AL FARO		TORRE POZZELLA CALA DI FRONTE
	FOCE OFANTO		TORRE CANNE DI PRONTE AL PARO TORRE CANNE LIDO BIZZARRO	177	TORRE POZZELLA VILLAGGIO VALTUR
	FOSSO FONDOLA CORSO ACQUA N. 3		TORRE CANNE LIDO CAMPING LE DUNE	178	
	PILASTRO FUNIVIA		TORRE CANNE LIDO CAMPING LE DONE TORRE CANNE LIDO HOTEL TERME	179	
	SC.FOGNA MISTA ESTR.TÁ MOLO PONENTE		TORRE CANNE LIDO HOTEL TERME TORRE CANNE LIDO PIPOLI		
				180	VILLANOVA F.CAN.LAMA ANTELMI 200 MT NORD
36	SFIORATORE EMERGENZA V. CAMPOSANTO		TORRE CANNE LIDO SABBIA D'ORO	181	VILLANOVA F.CAN.LAMA ANTELMI 200 MT SUD
37	SPIAGGIA VERDE		TORRE CANNE NORD PRIMA DELLA CASA GRIGIA		VILLANOVA LIDO FONTANELLE
38	STACCIONATA		TORRE CANNE NORD PRIMA DI CASE BIANCHE		VILLANOVA VIALE DOGNANA
39	STRADA CHE SCENDE A MARE				ZONA GORGOGNOLO NUOVO
40	ZONA BELVEDERE-DI FRONTE RECINTO VILLINO		TORRE CANNE-SUD A SUD POSTO DI TAVERNESE		ANO A MARE
BISCE					CALA APRIFICO
	500 MT SUD FOGNA CIT.NA BISCEGLIE		TORRE EGNAZIA (ANTISTANTE CASE AZZURRA)	186	CALA RIPAGNOLA
	CALA DEL PANDANO - VILLA	GIOVIN			CALA S GIOVANNI
	DITTA VERDE			188	CAMPO SPORTIVO
	LOC. PANTANO 100 MT NORD		HOTEL RIVA DEL SOLE		DITTA CARONE BART.
	LOC. PANTANO 100 MT SUD	118	MARMERIA		FOGNA CIT.NA POLIGNANO 500 MT NORD
	SCARICO FOGNA - BI - MARMI	119	MONASTERO - CIMITERO		MACELLO
47	SCARICO FOGNA - MOLO ESTERNO	120	RISTORANTE TORUCCIO E C.A. 7	192	PORTO PARADISO
48	SCOGLIERA - SCALETTE				POZZOVIVO (MARMERIA)
49	SPIAGGIA LA SALATA		SC. FOGNA BIANCA - LOC. CAPPELLA		SCARICO EMERGENZA EAAP
50	SPIAGGIA SALSELLE		STABILIMENTO BALNEARE NAUTILUS POLARIS		O VERNOTICO
BRIND			TORRE GAVETONE - RISTORANTE LA PERLA		CERANO CANALE DELLA FOGGIA
51	 A SUD DELLE SALINELLE, 		VILLE GIAPPONESI	TORCHI	
52	APANI LIDO ARCA DI NOÉ		ZONA RESIDENZIALE VALENTINI		LENDINUSO - CAN.INFOCACIUCCI 200 MT NORD
53	APANI LIDO AZZURRO	MOLA	DI BARI	197	LENDINUSO - CAN.INFOCACIUCCI 200 MT SUD
54	APANI LIDO S LUCIA	127	CALA ARENA	198	LENDINUSO LOCALITA CANUTA
55	APANI LIDO S VINCENZO		CALA PADOVANO		LENDINUSO SPIAGGIA LIBERA
56	CERANO - LIDO CERANO		CALA PELUNNO		TORRE S GENNARO LIDO PRESEPE
57	CERANO - SC. CENT.LE BR S. 500 MT SUD	130 ⊖	CAMPING CALORIA		TORRE S GENNARO LIDO S GENNARO
58	CERANO - SC.CENT.LE BR S. 500 MT NORD	131	CAMPO TIRO A VOLO	TRANI	
59	DI FRONTE ALLO SCOGLIO DI APANI		OCZZE - STAB.BALN. CANALONE		500 MT NORD FOGNA CIT.NA TRANI
60	GIANCOLA - CANALE GIANCOLA		DITTA COISPA		500 MT SUD FOGNA CIT.NA TRANI MOLO
61	GIANCOLA LIDO AMMIN.NE PROVINCIALE		DITTA IOM - EX SANSOLIVE	204	BOCCA D'ORO - ARISCIANNE - C.A. N. 4
62	MATERDOMINI - SC. FOGNA 500 MT NORD		FOGNA CIT.NA MOLA 500 MT NORD	205	DITTA CURCI - DE SIMONE P. 33
63	MATERDOMINI - SC. FOGNA 500 MT SUD		MOTEL AGIP		DITTA ELIT MARMI
64	MATERDOMINI LA CONCA-PRIMA DI "DEL SOLE"		VILLA CASTELLO	207	DITTA TORELLI P. 32
65	MATERDOMINI LIDO BRIN (MALCARNE)			208	MATTINELLE AZIENDA SOGGIORNO DI TURISMO
66	MATERDOMINI SPIAG. LIBERA PRIMA DEI CC.		ACQUE PLUVIALI VIA ISONZO		PIAZZA COLONNA CON ANNESSO LIDO
67	MATERDOMINI SPIAGGIA TRA LIDI CC. E P.S.		ACQUE PLUVIALI VIA MAZZINI		SCARICO 19 - 20 DITTA MENGA
68	P.CONTESSA - CANALE FOGGIA DI RAU		ACQUE PLUVIALI VIA ORSINI		SCOGLIERA
69	PUNTA PENNE LIDO GRANCHIO ROSSO		C.A. TORRE LAMA CUPA O 1' CALA	212	SCOGLIO DI FRISIO
70	PUNTA PENNE LIDO POSTE E TELEGRAFI	142	ONTRADA SECCA DEI PALI	213	SORGENTE DI ACQUA SALMASTRA-CASA AZZURRA
71	PUNTA PENNE LIDO VIGILI DEL FUOCO				ZONA CIRCONDATA DA SEGHERIE-3 CAPANNONI
72	SBITRI - SC. I.A.M. 200 MT SUD		II CALA RISTORANTE ASTORIA		
73	SBITRI - SCARICO I.A.M. 200 MT. NORD		MPIANTO SOLLEVAMENTO RETE FOGNARIA		
			Jan Joseph Jan		



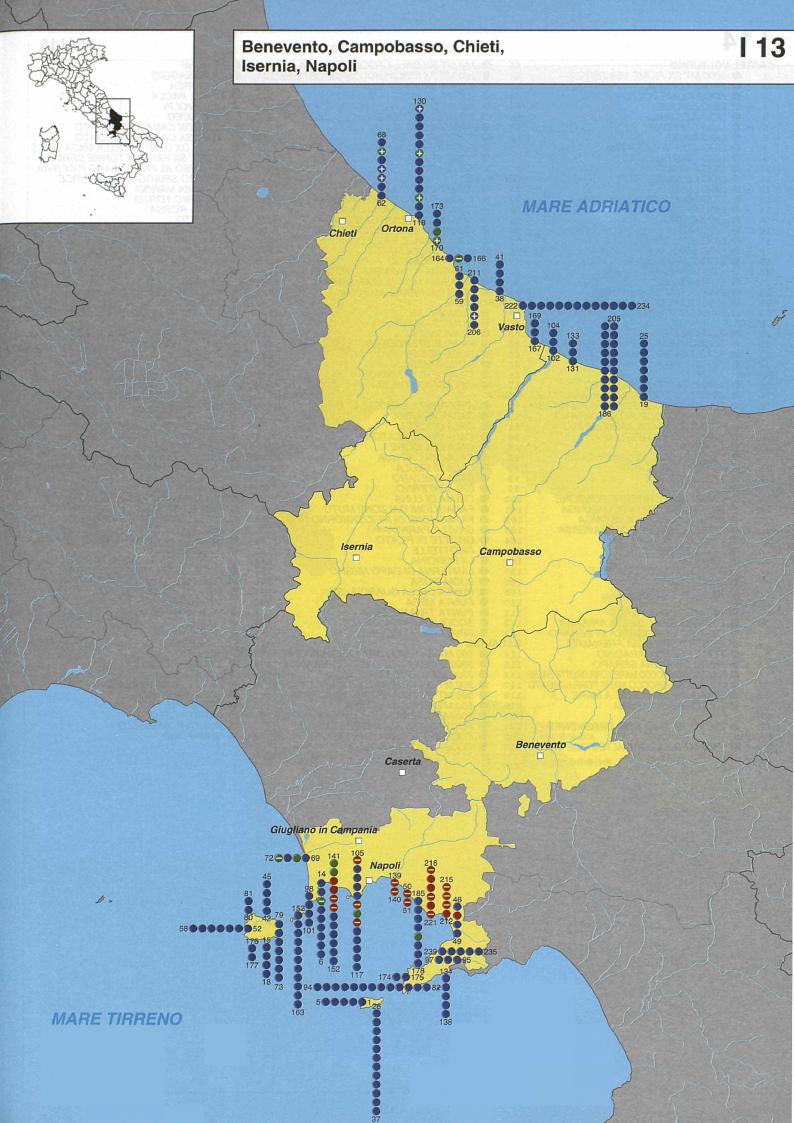
AGROPO			100 MT OVEST REGINNA MAIOR
	500 MT EST TORRE S. MARCO FOCE TESTENE		FOCE REGINNA MAIOR SPIAGGIA DI ERCHIE
	LIDO TRENTOVE		SPIAGGIA LIBERA BADIA
4	SPIAGGIA LIBERA A SUD OVEST PORTO	77	SPIAGGIA SALICERCHIE
AMALFI	CDIACOIA LE CIDENE		TORRE NORMANNA (700MT OVEST CAPO D'ORSO)
	SPIAGGIA LE SIRENE SPIAGGIA S. CROCE	MINORI	SPIAGGIA EST REGINNA MINOR
ASCEA	OF IAGGIA 6. OFFICE		SPIAGGIA OVEST REGINNA MINOR
	1500 MT EST FIUME ALENTO	MONTE	CORICE
	MARINA DI ASCEA		RIPE ROSSE
ATRANI	SCARICO ACQUE PUBBLICHE DEPURATE		SPIAGGIA AGNONE SPIAGGIA CAPITELLO
10 ÷	SPIAGGIA DEL DRAGONE		SPIAGGIA S. NICOLA
11 🕀 🔵	SPIAGGIA SCOGLIERA	PISCIOT	TA
BATTIPA			CAPO TORRACA
13	500 MT EST TUSCIANO FOCE IDROVORA (CONFINE COMUNE EBOLI)		TORRE FICAIOLA VALLONE FIUMICELLO
14	LIDO LAGO		VALLONE S.MACARIO (MARINA DI PISCIOTTA)
15 ⊖ ●	LIDO OK	89	VILLAGGIO LA SUERTÈ
	LIDO SPINETA		VILLAGGIO MARSILIO
CAMERO 17	CALA BIANCA	POLLICA 91	PUNTA CALEO
	CALA LONGA		SPIAGGIA ACCIAROLI (EST PORTO)
19	CAPO CALA LUNA	93	SPIAGGIA ACCIAROLI (OVEST PORTO)
	GROTTA DEL NOGLIO		SPIAGGIA PIOPPI
	PORTO INFRESCHI SPIAGGIA ARCONTE		O TORRE LA PUNTA CAGNANO FAIANO
	SPIAGGIA CALANCA		200 MT EST FOCE ASA
24	SPIAGGIA DEL TRONCONE	97	200 MT OVEST FOCE ASA
	SPIAGGIA MINGARDO		500 MT EST PICENTINO
CAPACC	VALLONE DELLE FORNACI		500 MT OVEST FOCE TUSCIANO FOCE ASA
	1200 MT NORD FIUME PONTE DI FERRO		FOCE TUSCIANO-CONFINE COMUNE BATTIPAGLIA
28	800 MT EST FIUME SELE	102 🔾	PRIMO CANALE DI BONIFICA
	CENTRO LAURA (2 KM SUD PRELIEVO N.67)	103 🖯 🜑	SECONDO CANALE DI BONIFICA
	FOCE ACQUA DEI RANCI FOCE CAPO DI FIUME	POSITA 104	NO SPIAGGIA ARIENZO
	FOCE PONTE DI FERRO		SPIAGGIA DEL FORNILLO
	FOCE SOLOFRONE (LIMITE COMUNE AGROPOLI)	106	SPIAGGIA DELLE SIRENE
	FOCE TORRE		SPIAGGIA GRANDE
CASAL V	VAROLATO (PRIMA CURVA BIVIO AGROPOLI)	PRAIAN	LOC. MATELLA (CONDOTTA SOTTOM.)
	ALTEZZA CONDOTTA SOTTO MARINA		PRESSO RISTORANTE ALFONSO A MARE
37	DEPURATORE COMUNALE (TORRE)	110	SPIAGGIA PRESSO NIGHT L'AFRICANO
	FOCE ALENTO (CONFINE COMUNE DI ASCEA)		SPIAGGIA PRESSO RISTORANTE MAMMATO
39 CASTEL	SPIAGGIA OVEST PORTO	RAVELL	SPIAGGIA CASTIGLIONE
	FONTE AÇQUA DI CESARE		SPIAGGIA MARMORADA
41	LOCALITÁ LAGO	SALERN	10
	PUNTA LICOSA		COLONIA S. GIUSEPPE
	PUNTA LICOSA PUNTA PRESINO		DI FRONTE PIAZZA D'ARMI-EX SUGHERIFICIO FOCE FUORNI
	SPIAGGIA CHIESA MADRE		FOCE PICENTINO-CONFINE CON PONTECAGNANO
	SPIAGGIA DIETRO IL PORTO DI S. MARCO		SP. LIBERA TRA IL FUORNI E IL PICENTINO
	TORRE DEL PAGLIAROLO (RUDERE)	119	TORRENTE MARICONDA
48	TORRE DI MEZZO (RUDERE) VALLONE ARENA (CONFINE COMUNE MONTECORIC)	120	TORRENTE MERCATELLO (SPIAGGIA LIBERA) TORRENTE S. MARGHERITA (PASTENA)
50	VALLONE OGLIASTRO		TORRENTE TORRIONE
	VALLONE S. ANDREA		OVANNI A PIRO
CENTOL	A CALA FETENTE		200 MT OVEST GROTTA DEL MONACO 50 MT NORD VALLONE S. LUCA
52 53	CAMPING EX MEDITERRANÉE		500 GROTTA INFERNI
54	FOCE FIUME LAMBRO	126	PUNTA SPINOSA
	FOCE MINGARDO (CONFINE COMUNE CAMEROTA)		SCARIO - SPIAGGIA USCITA PORTO
	HOTEL LE SALINE PUNTA IACCO		URO CILENTO SPIAGGIA MEZZATORRE
	SPIAGGIA BUON DORMIRE		MARINA
	SPIAGGIA PORTO		FOCE BUSSENTO
CETARA			SPIAGGIA POLICASTRO (ORTOCONTE)
	1^ SPIAGGIA ESTERNA AL PORTO DEI MARINI	SAPRI 131	GROTTA CATALANO
	SPIAGGIA PRESSO RISTORANTE LA TONNARELLA		TORRE DI CAPOBIANCO
	TORRE CAVALIERI DI MALTA (CAPO CONCA)	133	TORRENTE BRIZZI
EBOLI	SOO MT FOT IDDONODA		VALLONE ISCHITELLA
	500 MT EST IDROVORA 800 MT NORD FIUME SELE	VIBONA	VALLONE S. DOMENICO
	FOCE FIUME SELE(CONFINE COMUNE CAPACCIO)		FOCE CACAFAVA
66	ISTITUTO ELIO TERAPICO	137	SPIAGGIA LIBERA MARINA DELL'ULIVETO
	MACCHIA CAMPOLONGO-2 KM SUD ELIOTERAPICO		TORRE NORMANNA
FURORE 68	100 MT OVEST GROTTA DELLO SMERALDO		SUL MARE 100 MT EST BONEA
	FIORDO		100 MT EST BONEA
ISPANI		141	FOCE BONEA
	CIMITERO (CONDOTTA SOTTOMARINA)		SPIAGGIA CRESTARELLA
MAIORI	TORRENTE CONTURSI		SPIAGGIA HOTEL BAIA SPIAGGIA MARINA D'ALBORE
	100 MT EST REGINNA MAIOR		SPIAGGIA MARIIVA D'ALBORE SPIAGGIA SOTTO HOTEL FUENTI



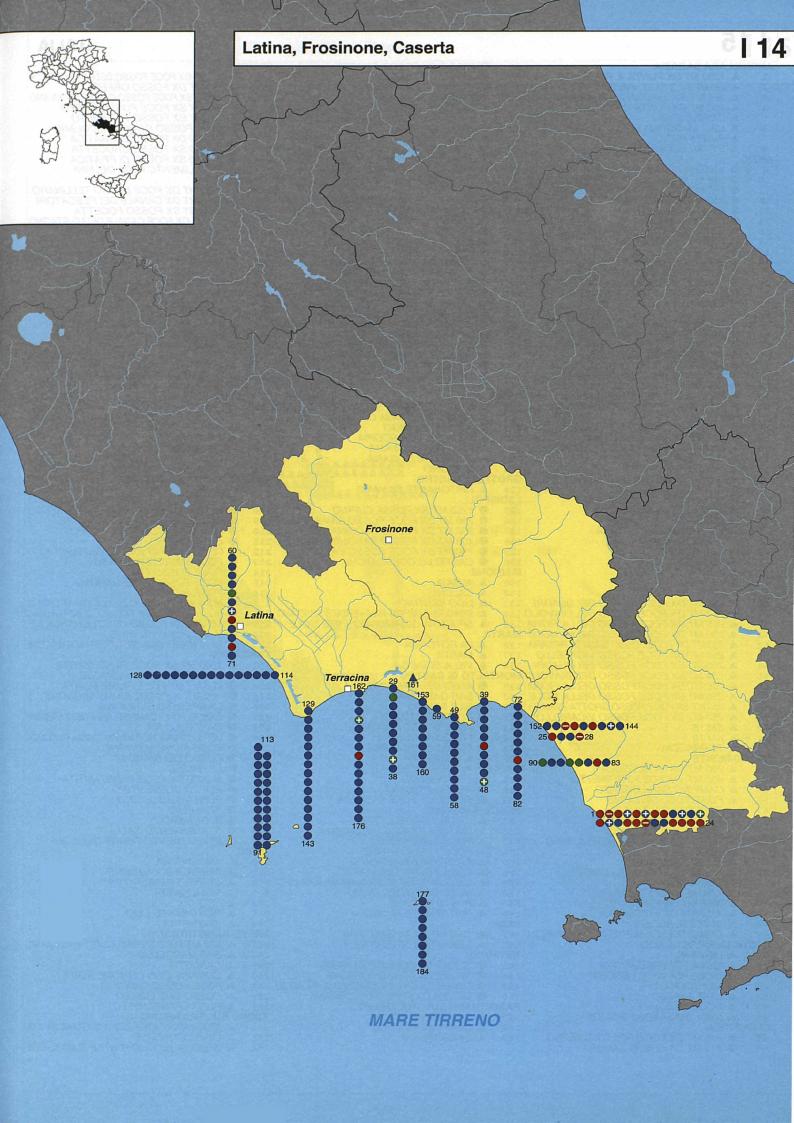
1 12		ITALIA
CAGNANO VARANO	95 • FOCE TORRENTE CARAPELLE 30 MT DX	
1	96 ⊕ FOCE TORRENTE CARAPELLE 30 MT SN 97 ● FOCE TORRENTE CERVARO 30 MT DX	SERRACAPRIOLA
3 FOCE CAPOIALE (30 MT A SINISTRA)	98 FOCE TORRENTE CERVARO 30 MT SN	
4 • LA BATTERIA	99 LIDO ACQUA DI CRISTO	192 FOCE F. FORTORE 30 MT SN
5 • LE BARACCHE DEL TRIESTINO 6 • LERAPPINO	100 • LIDO AERONAUTICA MILITARE 101 • LIDO AURORA	193 • ONGARA 194 • TORRE MOZZA (LOC LE MARINELLE)
7 ⊕ ▲ 1000 MT A DX P. 131	102 • LIDO IPPOCAMPO	195 • TRA LE MARINELLE E F.FIUME FORTORE
8 A 1000 MT A DX P. 134	103 • LIDO LA BUSSOLA	VICO DEL GARGANO
9 ▲ 200 M. SX DEL PTO 20 VERSO I PTO 254 10 ⊕ ▲ 30 MT. DX DELLA FOCE CAPOIALE	4 104 • LIDO NETTUNO 105 • LIDO ROMAGNA	196 ⊕ ● FOCE CANALE P. NERE 30 MT SX 197 ⊕ ● FOCE CANALE S. ANTONINO 30 MT DX
11 ⊕ ▲ 30 MT. SX FOCE CAPOIALE	106 LIDO SALPI	198 FOCE CANALE S. ANTONIO 30 MT SN
12 ⊕ ▲ 300 MT A DX P. 247 13 ▲ BAGNO VARANO	107 • LIDO SCALO DEI SARACENI 108 • SCARICO FARO 30 MT DX	199 ⊕ LIDO VENEZIA S. MENAIO 200
14 ⊕ ▲ BARESELLA	109 SCARICO FARO 30 MT SN	201 ⊕ LOC.CALENELLA - VICO
15 ▲ COPPA FRESCA	110 • VILLAGGIO RESIDENZIALE DI LAURO	202 TORRE DI MONTE PULCI
16 ▲ COSTA DEL POZZONE 17 ⊕ ▲ DA FOCE CAPOIALE VERSO FOCE VARANO	MARGHERITA DI SAVOIA ○ 111 ⊝ ● 300 MT. SX DEL FIUME OFANTO	VIESTE 203 • 1 CANALE - 30 M. A DX DELLA FOCE
18 DA FOCE CAPOIALE VERSO FOCE VARANCE	0 112 FOCE CARMOSINA (30 MT A DESTRA)	204 • 1 CANALE - 30M. SX DELLA FOCE
19 ▲ LA FASCIA 20 ▲ SAN NICOLA(EX IDROSCALO)	113 FOCE CARMOSINA (30 MT A SINISTRA) 114 FOCE NUOVA	205 • 1 CANALE-FOCE/CAMPING S. ELIA E CASTELLO 206 • 1000 MT A DX DI TORRE DI PORTICELLO
CHIEUTI	115 FOGNA SOTTOMARINA M. DI SAVOIA 50 MT DX	
21 © FOCE SACCIONE (30 MT A DESTRA)	116 FOGNA SOTTOMARINA M. DI SAVOIA 50 MT SN	
22 • LE MARINELLE 23 • MARINA DI FANTINE	117 • GAMBARDELLA LIDO GAZEBO 118 • IMPACCHIONE	209 • 2 CANALE - 30 M. DX DELLA FOCE
24 TORRE FANTINE	119 LIDO PARADISO DEI GIOVANI	211 • 2 CANALE/FOCE DIREZ. CAMPING ARCOBALENO
25 TRA T.RE FANTINE E MARINA DI FANTINE ISCHITELLA		212
26 • 1000 MT A DX P. 24	121 • LIDO TRITONE 122 • ORNO	214 • 3 CANALE/FOCE DIREZ. CAMPING SCIALARA
27 • FOCE VARANO (30 MT A DESTRA)	123 PORTO CANALE FANALE ROSSO	215 0 300 M. SX DEL PTO 163 VERSO IL PTO. 042
28 • FOCE VARANO (30 MT A SINISTRA) 29 • HOTEL BUFALARA	124 • PORTO CANALE FANALE VERDE 125 • TERME	216 • 4 CANALE - 30 M. DX DELLA FOCE 217 • 4 CANALE - 30 M. SX DELLA FOCE
30 • LARGO LUNGO	126 O TORRE DI PIETRA	218 • 4 CANALE/FOCE 20M. SX RESID. CONCHIGLIA
31 ⊕ ▲ DA FOCE CAPOIALE VERSO FOCE VARANCE 32 ⊕ ▲ DA FOCE CAPOIALE VERSO FOCE VARANCE		219 ■ 470M DX P175 E 500M DX SC.CT PUGNOCHIUSO 220 ⊕ ■ 470M SX P174 E 500M SX SC.CT PUGNOCHIUSO
33 DA FOCE CAPOIALE VERSO FOCE VARANCE AND THE STATE OF THE STATE O		
34 ⊕ ▲ IDROVORA MUSCHIATURO	129 • 1 CANALE CAMPING DEI FIORI 30 MT SN	222 • 5 CANALE - 30 M. DX DELLA FOCE
ISOLE TREMITI 35 IS. CAPRAIA 800 MT A DX P. 240	130 • 2 CANALE CAMPING DEI FIORI 30 MT DX 131 • 2 CANALE CAMPING DEI FIORI 30 MT SN	
36 IS. S.NICOLA 1800 MT A DX P. 222	132 900 MT A DX P. 49 CALA LA PERGOLA	225 • 500 M. DX SCARIC COMPLESSO PUGNOCHIUSO
37 • IS.S.DOMINO 1400 MT A DX P.091 38 • ISOLA CAPRAIA CALA PIETRA DI FUCILE	133	226
39 • ISOLA CAPRAIA PUNTA SECCA	135 • FANALE A SINISTRA DEL MOLO	228 • 5BIS CANALE/TRA CAMP. ADRIATICO-ARIZONA
40 ISOLA S. DOMINO FARO	136 FUNTAROLA - 1200 MT A DX P. 183	229 6 CANALE - 30 M. DX DELLA FOCE
41		230 • 6 CANALE - 30 M. SX DELLA FOCE 231 • 7 CANALE/FOCE IN LOC. TORRE DEL PONTE
43 ISOLA S. NICOLA - TRE SCOGLI	139 MASSA DEL SALE	232 BAIA S FELICE
44 • ISOLA S. NICOLA DISSALATORE 45 • ISOLA S. NICOLA PORTICCIOLO	140 • MASSERIA SANSONE 141 • MONTE SARACENO	233 CAMPING CALACAMPI 234 CAMPING GIRARROSTO
46 ISOLA S.DOMINO RISTORANTE IL PIRATA	A 142 SPIAGGIA BAIA DELLE ZAGARE	235 CAMPING HOLIDEY
47 SOLA S.DOMINO SPIAGGIA TOURING CLUB	B 143 • TOR DI LUPO 144 • TORRE DEL SEGNALE	236 CAN. FORTUNOSO-CORR.FOCE-LOC.LAGO CHIARA 237 CAN. LAMA LE CANNE-CORR. FOCE-GATTARELLA
48 CANALE PUNTA PIETRE NERE(30 MT DESTRA		238 CAN. MOLINELLA-CORR. FOCE- LOC. MOLINELLA
49 CANALE PUNTA PIETRE NERE(30 MT SINISTRA		239 CANSC. VILLAGGIO GATTARELLA 200 MT SN
50 • CANTO 51 • FOCE SCHIAPPARO 30 MT DX	147 • TRA BAIA ZAGARE E CAMP.FONTANA ROSE MONTE SANT'ANGELO	240 CAN.SC.VILLAGGIO GATTARELLA 200 MT DX 241 CANALE CARUSO - 30 M. DX DELLA FOCE
52 FOCE SCHIAPPARO 30 MT SN	148 • 1200 MT A DX P. 184	242 CANALE CARUSO - 30 M. SX DELLA FOCE
53	149 • CAMPING ACQUA AZZURRA 150 • ISTITUTO PADRE PIO	243 CANALE CARUSO - CORR. FOCE-LOC. CALCARE CANALE FORTUNOSO - 30 M. DX DELLA FOCE
55 • LIDO SABBIA D'ORO	151 • LIDO VARCARO	245 CANALE FORTUNOSO - 30 M. SX DELLA FOCE
56 ● PENNACCHIO 57 ● S. ANDREA	152 • PEZZO DELL'ABATE 153 • SCARICO ENICHEM AGRICOLT. 300 MT DX	246 CANALE MOLINELLA 30 MT DX 247 CANALE MOLINELLA 30 MT SN
58 • SPEDALE	154 SCARICO ENICHEM AGRICOLT. 300 MT SN	
59 • TORRE SCAMPAMORTE 60 • ZAPPINO	PESCHICI 155 • 1500 MT A DX P. 035	249 CANALE SCIALMARINO 250 CANALE TORRE DEL PORTO 30 MT DX
61 A 1000 MT A DX P. 119	155	
62 A 2000 MT A DX P. 108	157 BAIA DI MANACCORA	252 CANALE VALESANO 30 MT DX
63 230 M. DX DELLA FOCE DEL CANALE LA FAR, 64 230 M. SX DELLA FOCE DEL CANALE LA FAR,		253 CANALE VALESANO 30 MT SN 254 CANALE VALESANO-CORR. FOCE-LOC. VALESANO
65 ▲ BASSO DI PONENTE	160 MANACCORE HOTEL GUSMAI	255 • HOTEL GARGANO - CANALE PORTONUOVO
66 A CAN. CAMMARATA ELCE - SC. FOGNA 30 MT D. 67 A CAN. CAMMARATA ELCE - SC. FOGNA 30 MT SI		256 HOTEL GARGANO CAN.PORTONUOVO 30 MT SN DESCRIPTION OF THE STATE OF
68 ▲ CAN. CANIMPISO 30 MT DX	163 PUNTA S NICOLA CAMPING BAIA S NICOLA	258 ISOLA DI CHIANCO
69 ▲ CAN. CANIMPISO 30 MT SN 70 ⊝ ▲ CAN. CAPOPOSTA 30 MT DX	164 TORRE DI CALALUNGA 165 TORRE DI SFINALE	259
71 ⊝ ▲ CAN. CAPOPOSTA 30 MT SN	RODI GARGANICO	261 PORTO DI VIESTE 100 MT DX
72 A CAN. PONTONE 30 MT DX	166 ⊕ ● 30 MT. DX FOCE CANALE ROMONDATO	262 PORTO DI VIESTE 100 MT SN
73 A CAN. PONTONE 30 MT SN 74 FOCE CANIGLIA DI SOTTO - 100 M. SN FOCI	167 ⊕ ● 30 MT. SX FOCE CANALE ROMONDATO 168 ● BAGNO ROMAGNA 50 MT DX	263 • PUNTA S LORENZO 264 • • SCARICO FOGNA VIESTE 500 MT DX
75 A FOCE CANIGLIA DO SOTTO - 100 M. DX FOCE	E 169 BAGNO ROMAGNA 50 MT SX	265 SCARICO PUGNOCHIUSO 30 MT DX
76 A FOCE DE PILLA - 100 M. DX DELLA FOCE 77 A FOCE DE PILLA - 100 M. SX DELLA FOCE		
78 A MASSERIA DE CESARE	172 • LIDO GABBIANO	268 SPIAGGIA S. LORENZO
79 A PARATA DE PILLA 80 A UFFICIO SANITARIO	173 • LIDO SABBIE D'ORO 174 • S. BARBARA 50 MT DX	269 TRA SP.SCIALMARINO E T.RE PORTICELLO 270 TRA T.RE AGLIO E T.RE PORTOGRECO
MANFREDONIA	175 S. BARBARA 50 MT SX	271 TRA T.RE S.FELICE E T.RE DI CAMPI
81		272 • VILLAG.GATTARELLA CAN.CARUSO 30 MT DX 273 • VILLAGGIO GATTARELLA CAN. CARUSO
82 ● 750 M SX SCARICO EX FOGNA AMERICAN, 83 ⊕ ● 800 M. SX FOCE TORR. CANDELARO VSO P. 6		ZAPPONETA
84 CANALE ACQUE ALTE 30 MT DX	178 • LA TORRE	274 • 1,5 KM DA ZAPPONETA V.SO M. DI SAVOIA
85 CANALE ACQUE ALTE 30 MT SN 86 CANALE IPPOCAMPO 30 MT DX	179 • OMBRELLO 180 • S. PLACIDO	275 • 3,0 KM DA ZAPPONETA V.SO M. DI SAVOIA 276 • FOCE ALOISA (30 MT. A DESTRA)
87 CANALE IPPOCAMPO 30 MT SN	181 O TORRE CALA ROSSA	277 FOCE ALOISA (30 MT.A SINISTRA)
88 ⊕ CANALE PELUSO 30 MT DX 89 CANALE PELUSO 30 MT SN	182 ● TRA TORRE MILETO E TORRE CALA ROSSA 183 ▲ CRISTOFONACCHIO	278 • IDROVORA CONSORZIO BONIFICA 279 • LIDO LA CARAVELLA
90 CENTRO LAVORATIVO FORESTALE SIPONTO		280 LIDO TORRE DI RIVOLI
91 • EX FOGNA MANFREDONIA 30 MT DX 92 • EX FOGNA MANFREDONIA 30 MT SN	185 A FOCE FIUME LAURO 30 MT SN 186 A FOCE ZANELLA	281 • MASSERIA TORRE MARTELLO 282 • RISAIA 1300 MT A DX P. 206
93 • FANALE ROSSO PORTO DI MANFREDONIA	A 187 A FOCE ZANELLA 30 MT DX	282 • HISAIA 1300 MT A DA P. 206 283 • TRA FOCE ALOISA E T.RE DI PIETRA
94 FANALE VERDE PORTO DI MANFREDONIA		



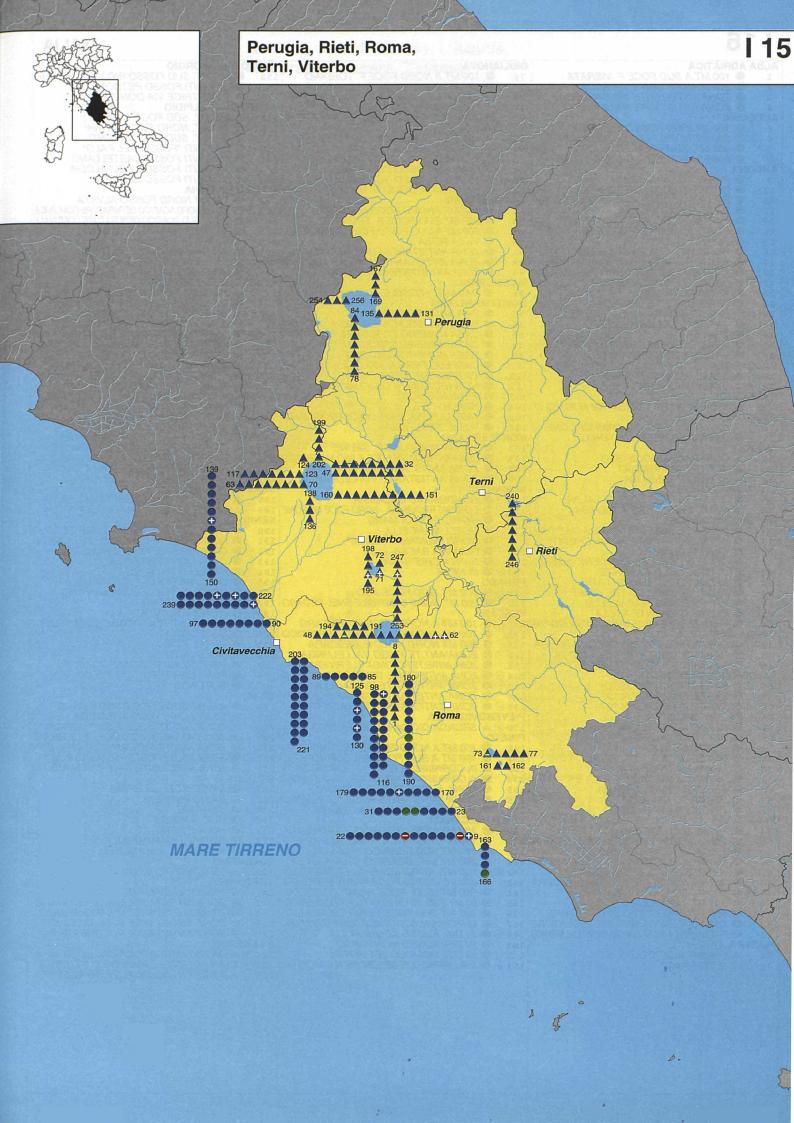
		IIALIA
ANACAPRI 1	LACCO AMENO 80 ● ISABELLA REGINELLA	161 • PUNTA PIZZACO 162 • PUNTA SOLCHIARO
2 PUNTA ARCIERA	81 S.MONTANO	163 TRA PUNTA SOLCHIARO E CAPO GALATELA
3 PUNTA CAMPITIELLO (CALA DEL RIO) 4 PUNTA CARENA (PUNTA FARO)	MASSA LUBRENSE	ROCCA SAN GIOVANNI
4 PUNTA CARENA (PUNTA FARO) 5 PUNTA DEL PINO	82	164 ● 75 MT A NORD FOCE S. BIAGIO 165 ⊝ ● ZONA ANTISTANTE KM 482.700
BACOLI	84 M.DI PUOLO TRA DANIA E DISCESA LAURO	166 OZONA ANTISTANTE KM 484,625 SS.16
6 • CAPO MISENO 7 • MARINA GRANDE-LIDO RITORNO	85	SAN SALVO 167 • 650 MT A SUD FOCE T. BUONANOTTE
8 SP.MILISCOLA-TRA LIDO VIRGILIO ED ENEA	87 PUNTA CAMPANELLA	168 • 700 MT A NORD FOCE FOSSO V. MULINO
9 SPIAGGIA DEL CASTELLO 10 SPIAGGIA DEL POGGIO	88 PUNTA MONTALTO 89 PUNTA S.LORENZO	169 ZONA ANTISTANTE FOCE FOSSO V. MULINO SAN VITO CHIETINO
11 SPIAGGIA ESTERNA PORTO	90 • RECOMMONE	170 ⊕ ● 100 MT A NORD FOCE F. FELTRINO
12 © SPIAGGIA ROMANA-COLONIA VESCOVILE 13 SPIAGGIA ROMANA-LIDO FUSARO	91	171 • 50 MT. A SUD FOSSO CINTIONI 172 • STAZIONE FF.SS. S.VITO CHIETINO
14 • TRA LIDO NAZIONALE ED ESERCITO	93 TRA AFRICANO E SCOGLIO M.DI CANTONE	173 OZONA ANTISTANTE CALATA TURCHINO
BARANO D'ISCHIA	94 VILLAZZANO-TRA S.MONTANO E SCOG. CUTOLO	
15 • APOLLON 16 • BUNGALOW	META 95 ● STAB. MARINELLA	174 • MARINA DI CASSANO-SPIAGGIA LIBERA 175 • PUNTA S. ELIA
17 • MONTE BARANO	96 STAB. RESECONE	SERRARA FONTANA
18 OLMITELLO CAMPOMARINO	97 TRA STAB. ALIMURI E LA CONCA MONTE DI PROCIDA	176 CAVA GRADO 177 S. ANGELO LATO EST
19 • 250 M. SUD FOCE BIFERNO	98 MILISCOLA - ISOLOTTO SAN MARTINO	SORRENTO
20	99 • MILISCOLA - SPIAGGIA ACQUAMORTA 100 • MILISCOLA - STELLA DI SPAGNA-SCHIAVONE	
22 CAMPING LA PINETA	101 • MILISCOLA - TORREGAVETA	180 PUNTA TASCHIERO
23 • LIDO MARE CHIARO 24 • RIO SALSO		181 SANT'ANNA-MARINA GRANDE 182 TRA APREDA E APREA
25 SS.16 SVINCOLO NUOVA CLITERNIA	103 CAMPING COSTA VERDE	183 TRA HOTEL RIVIERA E HOTEL AMBASCIATORI
CAPRI 26 DA LUIGI	104 • LIDO MONTEBELLO NAPOLI	184 • TRA RIVIERA MASSA E HOTEL PARCO PRINCIPI 185 • TRA SALVATORE E SIRENE
27 DA MARIA-INTERNAZIONALE		TERMOLI
28 GROTTA MERAVIGLIOSA	106 CASTEL DELL'OVO	186 400 M NORD FOCE BIFERNO
29 • GROTTA VERDE 30 • LA FONTELLINA	107 • LA GAIOLA 108 • LIDO DELLE SIRENE	187 • 50 M. NORD RIO VIVO 188 • HOTEL GLOWER
31 PALAZZO A MARE BAGNO TIBERIO	109 MARECHIARO	189 • HOTEL JET
32 PUNTA CETEROLA 33 PUNTA DEL CAPO (PUNTA TIBERIO)	110 🗇 🌑 MOLOSIGLIO 111 🌑 NISIDA	190. • LIDO ALOHA (EX POLIZIA) 191 • MARINELLE VILLA PATRIZIA
34 PUNTA DEL TUONÒ	112 🖯 🌘 PIAZZA NAZARIO SAURO	192 PALAZZINA IMPICCIATORE
35 TORRE SARACENA 36 TRA LE ONDINE E LO SMERALDO	113	193
37 • TRA LE SIRENE E DA GIOIA-PUNTA MULO	115 TRA POSILLIPO E DONN'ANNA	195 • RIO VIVO BAR ROSA
CASALBORDINO 38 • 100 MT A NORD FOCE T. ACQUACHIARA	116 TRA ROCCE VERDI E RIVA FIORITA 117 TRICARICO-BAGNOLI	196
39 0 100 MT A SUD FOCE F. OSENTO	ORTONA	198 RISTORANTE MODENESE
40 • 200 MT A NORD FOCE F. SINELLO 41 • ZONA ANTISTANTE CASA SANTINI	118 • 100 MT A NORD DI PUNTA LUNGO 119 • 100 MT A SUD FOCE T. SARACENI	199 S. ANTONIO CALA SVEVA 200 S. ANTONIO LIDO ANNA
CASAMICCIOLA TERME		201 S. ANTONIO LIDO LA PERLA
42 BAGNITIELLO	121	202 S. ANTONIO LIDO LA VELA
43 FABBRICA CERAMICHE 44 PIO MONTE MISERICORDIA	123 • 300 MT A NOAD DEL FIOME MORO	203 S. ANTONIO LIDO PANFILO MEDUSA 204 S. ANTONIO LIDO STELLA MARINA
45 SUOR ANGELA	124 • 350 MT A NORD FOCE F. FORO	205 VILLAGGIO MARE PULITO
CASTELLAMMARE DI STABIA 46 CRAL MILITARE-CORDERIA	125 ⊕ ● 350 MT A SUD FOCE F. FORO 126 ● 400 MT A NORD FOCE F. ARIELLI	TORINO DI SANGRO 206 • 100 MT A NORD FOCE F. OSENTO
47 • EX CARTIERA	127 • 50 MT A NORD FOSSO CINTIONI	207 + 200 MT A SUD FOCE F. SANGRO
48 FAMOUS BEACH 49 TRA STAB CONTE E STAB MODERNO	128 • 550 MT A NORD PUNTA DELLA MUCCIOLA 129 • ZONA ANTISTANTE FOCE F. RICCIO	208
ERCOLANO	130 🕀 🌑 ZONA ANTISTANTE FOCE FOSSO PETICCIO	210 • ZONA ANTISTANTE KM 493,900 SS.16
50 ⊝ ● LA FAVORITA 51 ⊝ ● TRA BAGNO NUOVO E ONDINE	PETACCIATO 131 ■ CASELLO F.S. N.28 (EX TORRETTA)	211 OZONA ANTISTANTE LOC.TA LE MORGIE TORRE ANNUNZIATA
FORIO	132 • LIDO LUCCIOLE	212 • 1 KM A NORD FOCE SARNO
52 • CAVA DELL'ISOLA 53 • CHIAIA	133 MARINA DI PETACCIATO PIANO DI SORRENTO	213 ⊝ ● LIDO AZZURRO 214 ⊝ ● SCOGLIO DI PROTA
54 • CITARA	134 • CALA CERVA	215 🗩 🌑 TRA SPIAGGIA LIBERA E SANTA LUCIA
55 POSEIDON 56 PUNTA DELLO SCHIAVO	135 • NETTUNO 136 • SCARICATOIO	TORRE DEL GRECO 216 ⊝
57 PUNTA PILARO	137 TRA CALACERVA E SCARICATOIO	217 • LA CONCHIGLIA
58 S.FRANCESCO FOSSACESIA	138 TRA TINA E ROSITA PORTICI	218 ● LIDO AZZURRO 219 ⊝ ● LIDO INCANTESIMO
59 • 400 MT A NORD FOCE FIUME SANGRO	139 ⊝ ● SPIAGGIA LIBERA MORTELLE	220 TORRE DI BASSANO O SCOGLIERA
60 75 MT SUD STAZIONE FF.SS. FOSSACESIA M. 20NA ANTISTANTE KM 489,100 SS.16	140 ⊝ ● TRA LIDO DORATO E LIDO AURORA POZZUOLI	221 🗇 🌑 VILLA INGLESE-BAGNO LEOPARDI VASTO
FRANCAVILLA AL MARE	141 ALTEZZA EX MACELLO	222 • 1.100 MT A NORD MOLO MARINA DI VASTO
62 0 100 MT A SUD F. FOSSO PRETARO 63 0 350 MT A NORD FOCE F. ALENTO	142 LICOLA - 500 MT SUD PROMONTORIO CUMA 143 LICOLA - LIDO LE AQUILE	223 • 200 MT A NORD F.SSO LEBBA 224 • 200 MT A SUD PUNTA VIGNOLA
64 + 350 MT A SUD FOCE F. ALENTO	144 • LICOLA - LIDO LICOLA	225 300 MT A SUD F.SSO LEBBA
65 ⊕ ■ IN CORRISPONDENZA STAZIONE FF.SS. 66 ■ VIALE F.P.TOSTI ANGOLO VIA CATTARO	145 ⊝ ● LICOLA - TRA LIDO CIRCE E MON SOLEIL 146 ⊝ ● LICOLA - TRA LIDO SORRISO E LIDO CAPRI	226 300 MT A SUD FOCE F. SINELLO 227 650 MT A NORD PUNTA DELLA LOTTA
67 + OZONA ANT. TE F.SSO S. LORENZO	147 • LIDO AUGUSTO	228 PUNTA ADERCI - FOCE FOSSO APRICINO
68 OZONA ANTISTANTE PIAZ.LE ADRIATICO GIUGLIANO IN CAMPANIA		229 OZONA ANT.TE F.SSO DELLA PAUROSA 230 ZONA ANTISTANTE C.DA S. TOMMASO
69 TRA LIDI SABBIA D'ARGENTO E VARCA D'ORO		231 OZONA ANTISTANTE C.DA VIGNOLA
70 TRA LIDO BLU E LIDO PP.TT.	151 TRA LIDO AUGUSTO ED EX MACELLO	232 ONA ANTISTANTE FOCE FOSSO MARINO
71 TRA LIDO GUARDIA DI FINANZA E SMERALDO 72 O TRA LIDO LE ANCORE E NATO BEACH	152 • VIA NAPOLI-ALT.TERME LA SALUTE SP.LIBERA PROCIDA	233 • ZONA ANTISTANTE FOCE T. BUONANOTTE 234 • ZONA ANTISTANTE LOC.TÁ TORRICELLA
ISCHIA	153 • CAPITELLO (LATO CIRACCELLO)	VICO EQUENSE
73 CARTA ROMANA 74 PUNTA DEL BORDO	154 CIMITERO 155 CIRIACCIO	235 • AXIDIE 236 • BAGNI DI SCRAIO
75 PUNTA MOLINO	156 • LA CHIAIA-S.ANTONIO	237 POSTALI CUCCURULLO
76 SAN PANCRAZIO 77 SPIAGGIA DEGLI INGLESI	157 • LE FRATTE (LE GROTTE) 158 • MARINA PICCOLA	238 PUNTA GERMANO 239 STAB. BIKINI
78 SPIAGGIA PESCATORI	159 PUNTA DELLA LINGUA	
79 SPIAGGIA SAN PIETRO	160 PUNTA MEZZOGIORNO	



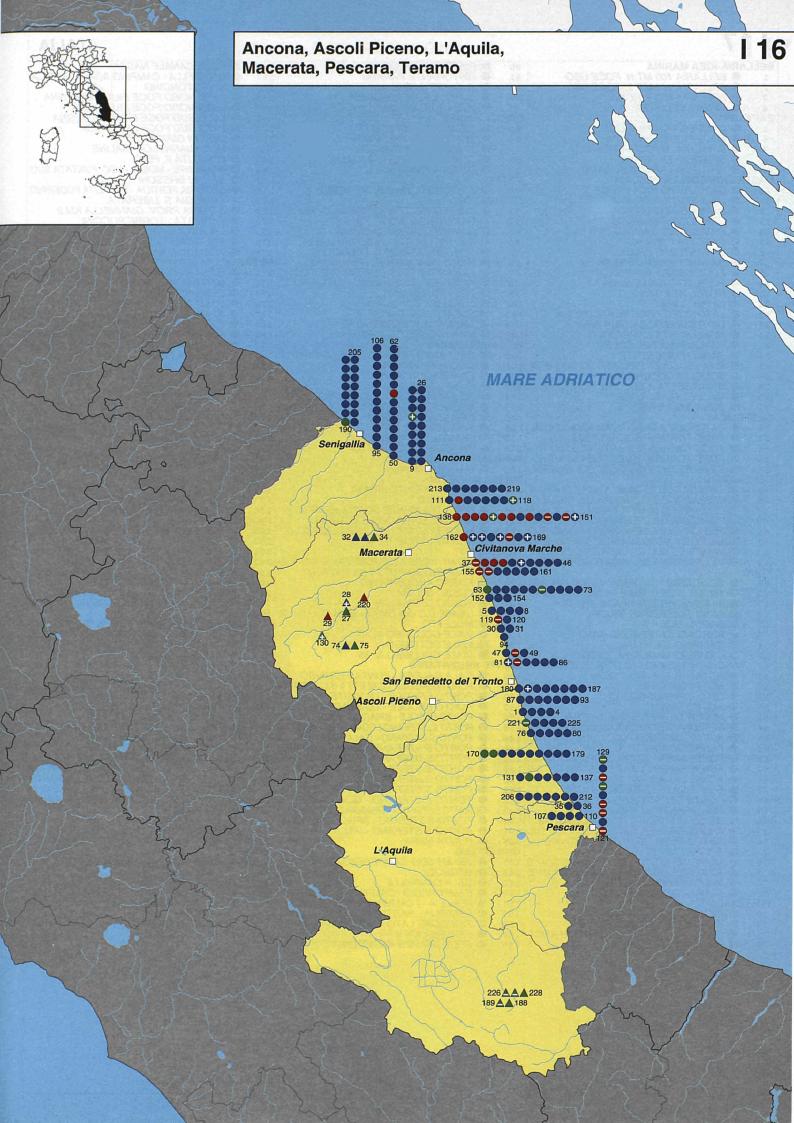
CASTEL VOLTURNO		150 MT SX DALLA FOCE DEL DUCA	124	LE DUNE
1 • 1000 MT SX FIUME VOLTURNO	62) 200 MT SX IDROVORA CAPOPORTIERE	125	RIMESSAGGIO
2 \bigcirc FIUME AGNENA	63	400 MT SX VIA CASILINA		S. ANDREA
3 FOCE FIUME VOLTURNO	64	500 MT SX FOCE RIO MARTINO	127	TORRE PAOLA
4 ⊕ ■ LIDO AIRONE		800 MT DX IDROVORA CAPOPORTIERE		VILLA VOLPI
5 LIDO AZZURRO		800 MT DXS FOCE3 CANALE ACQUE ALTE		ICE CIPCEO
6 ⊕ ■ LIDO BAFFONE		FOCE ACQUE ALTE		50 MT DX CANALE RIOTORTO
7 • LIDO BIKINI		FOCE DEL DUCA		50 MT SX CANALE RIOTORTO
8 • LIDO COSTA AZZURRA	69	FOCE IDROVORA CAPOPORTIERE	131	500 MT DX GROTTA DELLA MAGA CIRCE
9 LIDO CRISTAL	70	FOCE RIO MARTINO	132	550 MT SX FARO DI TORRE CERVIA
10 ⊕ ■ LIDO FAVORITA	71	FOGLIANO		ALFONSO AL FARO - FARO P.CERVIA -
11 • LIDO LE NINFE	MINTUR			CENTRO SPIAGGIA MAGA CIRCE
12 + LIDO LUISE		100 MT DX CANALE RICILLO		COLONIA MARINA
12 DO MILANECE (VM 24 500)				
13 LIDO MILANESE (KM 34,500)		100 MT DX RIO CAPO D'ACQUA		FOCE RIO TORTO
14 ⊕ ■ LIDO PADUA		100 MT SX RIO CAPO D'ACQUA		PUNTA ROSSA
15 LIDO PATRIA	75	1400 MT SX FIUME GARIGLIANO	138	SAN VITO
16 UIDO ROMA	76	400 MT DX M.TE ARGENTO	139	SPIAGGETTA A SX PORTO DI S.FELICE CIRCEO
17 • LIDO SCALZONE		FOCE CANALE RICILLO		SPIAGGETTA HOTEL CIRCE
18 🔾 🌢 LIDO SIBILLA		FOCE GARIGLIANO		SPIAGGETTA LA BUSSOLA
19 LIDO TURISTICO	79	PORTO ROMANO		SPIAGGETTA LIBERA SOTTO TORRE VITTORIA
20 PESCOPAGANO		SPIAGGIA A SINISTRA TORRE SCAURI		TORRE PAOLA
21 PINETA MARE	81	SPIAGGIA MONTE D'ARGENTO	SESSA	AURUNCA
22 PINETA MARE (KM 37,500)		STAB.BALNEARE AURORA		BAIA AZZURRA
23 PINETA MARE (KM 38,500)	MONDR			CAMPING BAIA DOMITIA
24 NILLAGGIO AGRICOLO (KM 22 500)				DOMITIA PALACE HOTEL
24 VILLAGGIO AGRICOLO (KM 33,500)		FIUMARELLE		
CELLOLE		FIUME SAVONE		FIUME GARIGLIANO
25 BAIA FELICE	85	LE VAGNOLE	148	LIDO EUCALIPTO PRESSO VILLAGGIO GIULIVO
26 OSIDA MARINA (RESIDENCE BAIA MURENA)	86	PAPELE STERCOLILLI	149	LIDO LA FOCE
27 FONTANA VECCHIA		ROSE ROSSE		S. LIMATO
28 🗩 LIDO LA VELA		STELLA MARIS		SOLEMARE
				VILLAGGIO SVEDESE
FONDI	89			
29 0 100 MT DX FOCE CANNETO		VILLAGGIO EUROPA	SPERLO	
30 250 MT DX FOCE FOSSO S. ANASTASIA	PONZA		153	2000 MT DX LAGO LUNGO EMISSARIO
24 DECIMENT OF EACH CONTRACTACIA		A OV DUNITA VADDELLA	454	ALUOLAT
1 31 W ZOU IVI OX FUCE FUOOU O.AINAO I AOIA	91	A SX PUNTA VARDELLA	154	AMICLAE
31		A SX PUNTA VARDELLA CALA CAPARRA		O AMICLAE O CENTRO INSENATURA DX TORRE CAPOVENTO
32 • 500 MT SX FOCE PEDEMONTANO	92	CALA CAPARRA	155	CENTRO INSENATURA DX TORRE CAPOVENTO
32	92 93	CALA CAPARRA CALA COCETA	155 C) CENTRO INSENATURA DX TORRE CAPOVENTO) FOCE EMISSARIO LAGO LUNGO
32	92 93 94	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI	155 156 157) CENTRO INSENATURA DX TORRE CAPOVENTO) FOCE EMISSARIO LAGO LUNGO) FOCE FOSSO DELLE VESPE
32	92 93 94 95	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI O CALA DEL CORE	155 156 157 158	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO
32	92 93 94 95	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI	155 156 157 158) CENTRO INSENATURA DX TORRE CAPOVENTO) FOCE EMISSARIO LAGO LUNGO) FOCE FOSSO DELLE VESPE
32	92 93 94 95 96	OCALA CAPARRA OCALA COCETA OCALA DEI PESCATORI OCALA DEL CORE OCALA DELL'ACQUA	155 156 157 158 159	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA
32	92 93 94 95 96 97	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI O CALA DEL CORE O CALA DELL'ACQUA O CALA DI FEOLA	155 156 157 158 159 160	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOCBAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO
32	92 93 94 95 96 97 98	O CALA CAPARRA O CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA GAETANO	155 156 157 158 159 160 161	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO LL LAGHETTO
32	92 93 94 95 96 97 98 99	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA GAETANO CALA INFERNO	155 156 157 158 159 160 161 TERRAC	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OFOCE FOSS
32	92 93 94 95 96 97 98 99 100	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI O CALA DEL CORE O CALA DELL'ACQUA O CALA DI FEOLA O CALA INFERNO O CALA INFERNO O CHIAIA DI LUNA	155 156 157 158 159 160 161 TERRAC	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO OLL LAGHETTO OLOCINA OLOCINA OLOCINA OLOCINA
32	92 93 94 95 96 97 98 99 100	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI O CALA DEL CORE O CALA DELL'ACQUA O CALA DI FEOLA O CALA GAETANO O CALA INFERNO O CHIAIA DI LUNA O FARAGLIONI CALZONE MUTO	155 156 157 158 159 160 161 TERRAC 162 163	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O IL LAGHETTO CINA O 100 MT SX FOCE CANNETO
32	92 93 94 95 96 97 98 99 100	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI O CALA DEL CORE O CALA DELL'ACQUA O CALA DI FEOLA O CALA GAETANO O CALA INFERNO O CHIAIA DI LUNA O FARAGLIONI CALZONE MUTO	155 156 157 158 159 160 161 TERRAC 162 163	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO OLL LAGHETTO OLOCINA OLOCINA OLOCINA OLOCINA
32	92 93 94 95 96 97 98 99 100 101 102	O CALA CAPARRA O CALA COCETA O CALA DEI PESCATORI O CALA DEL CORE O CALA DELL'ACQUA O CALA DI FEOLA O CALA INFERNO O CALA INFERNO O CHIAIA DI LUNA	155 156 157 158 159 160 161 TERRAC 162 163 164	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O IL LAGHETTO CINA O 100 MT SX FOCE CANNETO
32	92 93 94 95 96 97 98 99 100 101 102 103	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA	155 156 157 158 159 160 161 TERRAC 162 163 164 165 \oplus	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OFOCE FOSS
32	92 93 94 95 96 97 98 99 100 101 102 103 104	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA GAETANO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO GAVI LA PARATA GROTTE DI PILATO	155 156 157 158 159 160 161 TERRAC 162 163 164 165 + 166	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO OLAVATOIO OLAVATORE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA GAETANO CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FARAGLIONE DI MEZZOGIORNO (DX) GROTTE DI PILATO GROTTELLE	155 156 157 158 159 160 161 TERRAC 162 163 164 165 ⊕	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O LL LAGHETTO O LAGNETO O 100 MT SX FOCE CANNETO O 250 MT SX FOCE FIUME PORTATORE O 500 MT DX CANALE PORTATORE O 500 MT SX BANCHINA PORTO DI TERRACINA O FOCE CANNETO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106	O CALA CAPARRA O CALA COCETA O CALA DEL PESCATORI O CALA DEL CORE O CALA DELL'ACQUA O CALA DI FEOLA O CALA GAETANO O CALA INFERNO O CALA INFERNO O CHIAIA DI LUNA O FARAGLIONI CALZONE MUTO O FATAGLIONE DI MEZZOGIORNO (DX) O GROTTE DI PILATO O GROTTELLE O LA FORCINA	155 156 157 158 159 160 161 TERRAC 162 163 164 165 ⊕	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O LL LAGHETTO O LAGNETTO O LAGNET O LAGNETO O 1300 MT SX FOCE CANNETO O 250 MT SX FOCE FIUME PORTATORE O 500 MT DX CANALE PORTATORE O 500 MT SX BANCHINA PORTO DI TERRACINA O FOCE CANNETO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO	155 156 157 158 159 160 161 TERRAC 162 163 164 165 \oplus 166 167 168 169	O CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 250 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO -
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA	155 156 157 158 159 160 161 TERRAC 162 163 164 165 \oplus 166 167 168 169	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O LL LAGHETTO O LAGNETTO O LAGNET O LAGNETO O 1300 MT SX FOCE CANNETO O 250 MT SX FOCE FIUME PORTATORE O 500 MT DX CANALE PORTATORE O 500 MT SX BANCHINA PORTO DI TERRACINA O FOCE CANNETO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA	155 156 157 158 159 160 161 162 163 164 165 \oplus 166 167 168 169 170	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO IL LAGHETTO OLOCINA
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX)	155 156 157 158 159 160 161 TERRAC 162 163 164 165 166 167 168 169 170 171	O CENTRO INSENATURA DX TORRE CAPOVENTO O FOCE EMISSARIO LAGO LUNGO O FOCE FOSSO DELLE VESPE O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O LAVATOIO O LOC.BAZZANO INIZIO SPIAGGIA O SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO O LAVATOIO O 100 MT SX FOCE CANNETO O 1300 MT SX FOCE CANNETO O 250 MT SX FOCE FIUME PORTATORE O 500 MT SX BANCHINA PORTO DI TERRACINA O FOCE CANNETO O FOCE FOSSO ACQUE ALTE DELLA VALLE O FOCE SISTO O MT.100 DX FIUME SISTO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA GAETANO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FARAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX)	155 156 157 158 159 160 161 TERRAC 162 163 164 165 ⊕ 166 167 168 169 170 171 171	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO OLIL LAGHETTO OLINA OLIVIANO OL
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA	155 156 157 158 159 160 161 TERRAC 162 163 164 165 + 166 167 168 169 170 171 172 173	O CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 1300 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 500 MT DX CANALE PORTATORE 1500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT.100 DX FIUME SISTO MT.100 DX FIUME SISTO NT.100 SX FIUME SISTO SCAFA DI PONTE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DI FEOLA CALA INFERNO CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA TRAMONTANA SCOGLIO MONTAGNELLO	155 156 157 158 159 160 161 162 163 164 165 + 166 167 168 169 170 171 172 173 174	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO IL LAGHETTO OLOCINA
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DIFEOLA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE	155 156 157 158 159 160 161 TERRAC 162 163 164 165 167 168 169 170 171 172 173 174 175	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO OLL LAGHETTO OLINA OLOCATION OLOCATI
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTE DI PILATO LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE	155 156 157 158 159 160 161 TERRAC 162 163 164 165 167 168 169 170 171 172 173 174 175	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO IL LAGHETTO OLOCINA
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 110 111 112 113 SABAU	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTE DI PILATO LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE	155 156 157 158 159 160 161 TERRAC 162 163 164 165 167 168 169 170 171 172 173 174 175 176	CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO COLOR BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO LI LAGHETTO COLOR BAZZANO INIZIO SPIAGGIA TO MT SX FOCE CANNETO TO MAT SX FOCE CANNETO TO MAT SX FOCE CANNETO TO MAT SX FOCE FIUME PORTATORE TO MAT DX CANALE PORTATORE TO MAT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT. 100 DX FIUME SISTO MT. 100 DX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 SABAUI	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE	155 156 157 158 159 160 161 TERRAC 162 163 164 165 ⊕ 166 167 168 169 170 171 172 173 174 175 VENTOT	O CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 1300 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT.100 DX FIUME SISTO MT.100 SX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO TENE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 SABAU 114	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DI FEOLA CALA INFERNO CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FARAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA DELLA GUARDIA (SX) PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 100 MT DX FOCE LAGO CAPROLACE	155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 VENTOT	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OFOCE FOSSO DELLE VESPE OFOCE FOSSO DELLE VESPE OFOCE CANOLICO OFOCE FOSSO ACQUE ALTE DELLA VALLE OFOCE FOSSO ACQUE ALTE DELLA VALLE OFOCE SISTO OFOCE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 110 111 112 113 SABAU 114 115 116	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DIFEOLA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2000 MT DX FOCE LAGO CAPROLACE 2300 MT DX RIO MARTINO	155 156 157 158 159 160 161 TERRAC 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 VENTOT 177 178	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO OLL LAGHETTO OLINA OLOCATION OF THE STAB OF THE STA
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 110 111 112 113 SABAU 114 115 116 117	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DIFEOLA CALA INFERNO CALA PARATA CALA PAR	155 156 157 158 159 160 161 TERRAC 162 163 164 165 167 168 169 170 171 172 173 174 175 176 VENTOI 177 178 179	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO OLLAGHETTO OLINA OLOCATION OF THE STAB. TO DIARCANGELO OLOCATION O
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 SABAU 114 115 116 117 118	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2300 MT DX FOCE LAGO CAPROLACE 2300 MT DX CATERATINO IDROVORA 300 MT DX CATERATINO IDROVORA	155 156 157 158 159 160 161 161 162 163 164 165 0 166 167 168 169 170 171 172 173 174 175 176 VENTOI 177 178 179 180	O CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 1300 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 1500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE CANNETO FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT.100 DX FIUME SISTO MT.100 DX FIUME SISTO MT.100 DX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO ENE CALA BATTAGLIA CALA PUNTA SPASANO CALA PONTA SPASANO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 SABAU 114 115 116 117 118	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DIFEOLA CALA INFERNO CALA PARATA CALA PAR	155 156 157 158 159 160 161 161 162 163 164 165 0 166 167 168 169 170 171 172 173 174 175 176 VENTOI 177 178 179 180	O CENTRO INSENATURA DX TORRE CAPOVENTO OFOCE EMISSARIO LAGO LUNGO OFOCE FOSSO DELLE VESPE OLAVATOIO OLOC.BAZZANO INIZIO SPIAGGIA OSPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO OLLAGHETTO OLINA OLOCATION OF THE STAB. TO DIARCANGELO OLOCATION O
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 107 108 109 110 111 112 113 SABAU 115 116 117 118 119	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA DELLA GUARDIA (SX) PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2000 MT DX FOCE LAGO CAPROLACE 2300 MT DX RIO MARTINO 300 MT DX CATERATINO IDROVORA 300 MT DX CATERATINO IDROVORA 300 MT DX SIO MARTINO 500 MT DX RIO MARTINO	155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 VENTOT 177 178 179 180 181	CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 250 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 500 MT DX CANALE PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT.100 DX FIUME SISTO MT.100 DX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO ENE CALA BATTAGLIA CALA PUNTA SPASANO CALA ROSSANO LE PISCINE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 110 111 112 113 SABAU 115 116 117 118 119 120	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DI FEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2300 MT DX FOCE LAGO CAPROLACE 2300 MT DX RIO MARTINO 300 MT DX CATERATINO IDROVORA 300 MT DX CATERATINO IDROVORA 500 MT DX RIO MARTINO 600 MT DX RIO MARTINO	155 156 157 158 159 160 161 TERRAC 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 VENTOT 178 179 180 181 182	CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 250 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 500 MT DX CANALE PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT. 100 DX FIUME SISTO MT. 100 DX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO ENE CALA BATTAGLIA CALA ROSSANO CALA ROSSANO CALA GRANDE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 13 SABAU 114 115 116 117 118 119 121	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DIFEOLA CALA INFERNO CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTE LLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2300 MT DX FIOE LAGO CAPROLACE 2300 MT DX RIO MARTINO 300 MT DX CATERATINO IDROVORA 300 MT DX RIO MARTINO 500 MT DX RIO MARTINO 500 MT DX RIO MARTINO 600 MT DX DROVORA LAVORAZIONE FOCE IDROVORA CATERATTINO	155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 VENTOT 177 178 179 180 181 182 183	O CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 1300 MT SX FOCE FIUME PORTATORE 500 MT SX FOCE FIUME PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE SISTO MT.100 DX FIUME SISTO MT.100 DX FIUME SISTO MT.100 SX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO TENE CALA BATTAGLIA CALA NAVE CALA ROSSANO LE PISCINE PARATA GRANDE PUNTA ROMANELLO
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 SABAU 114 115 116 117 118 119 120 121 122	CALA CAPARRA CALA COCETA CALA DEI PESCATORI CALA DEI PESCATORI CALA DEL CORE CALA DIFEOLA CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTELLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2300 MT DX RIO MARTINO 300 MT DX CATERATINO IDROVORA 300 MT DX RIO MARTINO 600 MT DX DROVORA LAVORAZIONE	155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 VENTOT 177 178 179 180 181 182 183	CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB. TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 250 MT SX FOCE FIUME PORTATORE 500 MT DX CANALE PORTATORE 500 MT DX CANALE PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE PORTATORE - PORTO BADINO - FOCE SISTO MT. 100 DX FIUME SISTO MT. 100 DX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO ENE CALA BATTAGLIA CALA ROSSANO CALA ROSSANO CALA GRANDE
32	92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 SABAU 114 115 116 117 118 119 120 121 122	CALA CAPARRA CALA COCETA CALA COCETA CALA DEI PESCATORI CALA DEL CORE CALA DELL'ACQUA CALA DIFEOLA CALA INFERNO CALA INFERNO CALA INFERNO CHIAIA DI LUNA FARAGLIONI CALZONE MUTO FATAGLIONE DI MEZZOGIORNO (DX) GAVI LA PARATA GROTTE DI PILATO GROTTE LLE LA FORCINA LANTERNA DI CAPO NEGRO LUCIA ROSA PUNTA DELLA GUARDIA (SX) PUNTA NERA PUNTA TRAMONTANA SCOGLIO MONTAGNELLO SPIAGGIA FRONTONE DIA 100 MT SX IDROVORA LAVORAZIONE 2300 MT DX FIOE LAGO CAPROLACE 2300 MT DX RIO MARTINO 300 MT DX CATERATINO IDROVORA 300 MT DX RIO MARTINO 500 MT DX RIO MARTINO 500 MT DX RIO MARTINO 600 MT DX DROVORA LAVORAZIONE FOCE IDROVORA CATERATTINO	155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 VENTOT 177 178 179 180 181 182 183	O CENTRO INSENATURA DX TORRE CAPOVENTO FOCE EMISSARIO LAGO LUNGO FOCE FOSSO DELLE VESPE LAVATOIO LOC.BAZZANO INIZIO SPIAGGIA SPIAGGIA DI LEVANTE-STAB.TO D'ARCANGELO IL LAGHETTO INA 100 MT SX FOCE CANNETO 1300 MT SX FOCE CANNETO 1300 MT SX FOCE FIUME PORTATORE 500 MT SX FOCE FIUME PORTATORE 500 MT SX BANCHINA PORTO DI TERRACINA FOCE CANNETO FOCE CANNETO FOCE FOSSO ACQUE ALTE DELLA VALLE FOCE SISTO MT.100 DX FIUME SISTO MT.100 DX FIUME SISTO MT.100 SX FIUME SISTO SCAFA DI PONTE TUMULETTI V.LE EUROPA VIA VENETO TENE CALA BATTAGLIA CALA NAVE CALA ROSSANO LE PISCINE PARATA GRANDE PUNTA ROMANELLO



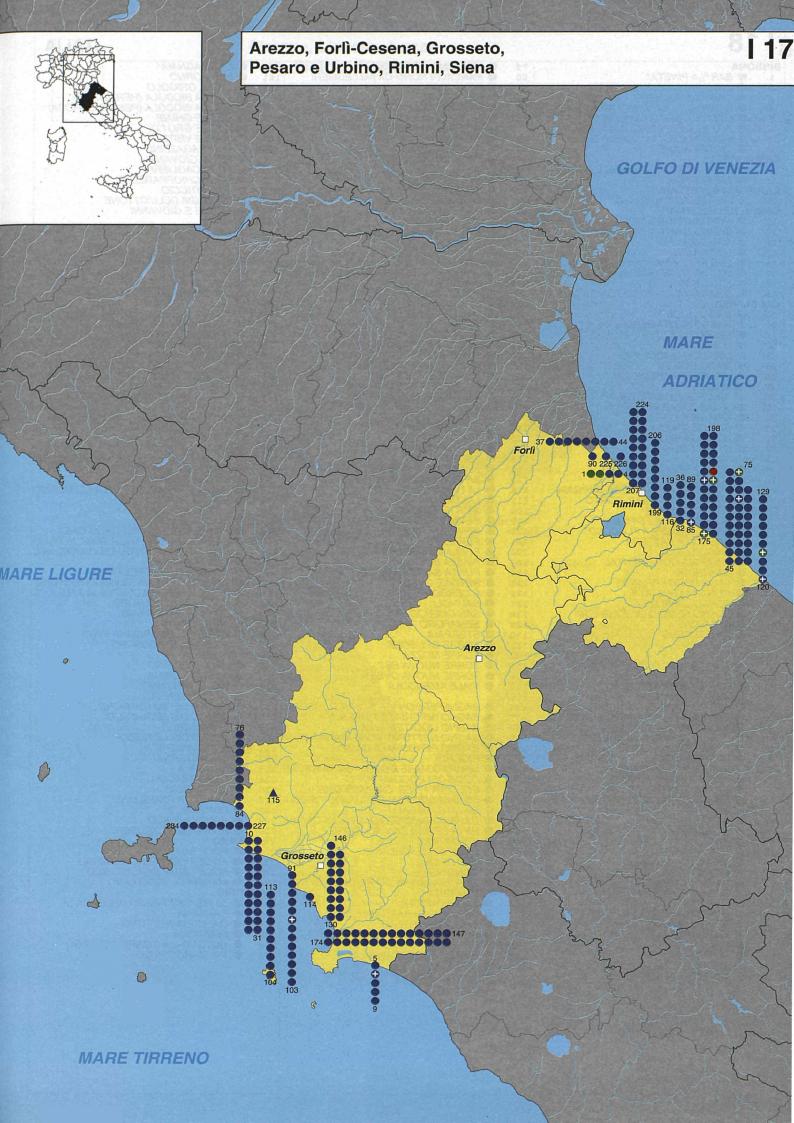
113		ITALIA
ANGUILLARA SABAZIA	87 • 250 MT SX FOSSO ZAMBRA	POMEZIA
1 A 1300 MT DX PUNTA IL PIZZO	88 RIMESSAGGIO BARCHE RENZI-MT 1000 PNT.49	
2 A 250 MT SX CHIOSCO PIAZZETTA ANGUILLARA		171
3 A 350 MT SX EMISSARIO ARRONE		172 250 MT SX FOCE FOSSO CAMPO ASCOLANO
4 A 400 MT SX PUNTA IL PIZZO 5 CABINA ENEL		173 • 250 MT SX FOCE FOSSO ORFEO 174 • • 250 MT SX FOSSO RIO TORTO
6 A LOC. MADONNA DELLE GRAZIE		175 FOCE FOSSO CAMPO ASCOLANO
7 A PUNTA PIZZO		176 MT 250 DX FOSSO DI PRATICA
8 A STRADA COMUNALE		177 • MT 250 SX FOSSO CROCETTA
ANZIO		178 MT 250 SX FOSSO DI PRATICA
9 • 1100 MT DX COLONIA MARINA	96 STABILIMENTO BAGNI PIRGO	179 STABILIMENTO I TRE DELFINI
10 🖯 0 250 MT DX FOCE FOSSO CAFFARELLA		ROMA
11 250 MT DX FOCE FOSSO SCHIAVO		180 • 1600 MT DX FOCE FOSSO TELLINARO
12 • 350 MT SX MOLO EST. ANZIO		181 2000 MT DX CANALE DEI PESCATORI
13		182 • 3000 MT SX FOSSO FOCETTA 183 • 550 MT DX FOCE CANALE DELLO STAGNO
15 FOCE FOSSO DELLO SCHIAVO	101 • 2000 MT DX COLLETTORE ACQUE ALTE E BASSE	
16 ⊝ FOCE FOSSO SECCO		185 • 850 MT SX PONTILE OSTIA
17 • FOCE TOR CALDARA	103 • 250 MT DX COLLETTORE ACQUE ALTE E BASSE	
18 FORNACI PAIELLA	104 0 250 MT DX FIUMARA PICCOLA	187 FOCE FOSSO TELLINARO
19 • LOCALITÀ GROTTE DI NERONE		188 MT 250 DX CANALE DI PANTANELLO
20 MT 250 DX FOSSO CAVALLO MORTO		189 MT 250 SX CANALE DI PANTANELLO
21 MT 250 SX FOSSO CAVALLO MORTO		190 OSTIA STABULAZIONE MOLLUSCHI MASONE
22 STABILIMENTO IL TRITONE ARDEA		191 ▲ 250 MT DX FOCE FOSSO CASACCI 192 ▲ 250 MT DX FOCE FOSSO CONCA
23 250 MT DX CANALE BIFFI	110 • 250 MT SX FOCE FOSSO DELLE CADUTE	
24 • 250 MT DX FOCE FOSSO MOLETTA		194 A PUNTA PIZZO PRATO
25 • 250 MT DX FOCE RIO TORTO	112 • 500 MT SX COLLETTORE ACQUE ALTE E BASSE	
26 250 MT SX FOCE CANALE BIFFI	113 • FOCE COLLETTORE ACQUE ALTE E BASSE	195 ▲ 500 MT SX PUNTA DEL LAGO
27 • 250 MT SX FOSSO GRANDE	114 MT 250 DX FOSSO TRE DENARI	196 ⊕ ▲ LA SCALETTA
28 750 MT SX RIO GRANDE		197 A RISTORANTE SAN SOUCI
29 MT 250 DX FOSSO DEL DIAVOLO		198 A RIVA FIORITA
30 MT 250 SX FOSSO CAFFARELLA 31 MT 250 SX FOSSO DEL DIAVOLO		SAN LORENZO NUOVO
BOLSENA MT 250 SX FOSSO DEL DIAVOLO		199 ▲ CAMPING NERONE 200 ▲ FOSSO DEL PONTICELLO
32 A 500 MT. DX FOSSO MELONA		201 A FOSSO DEL FONTICELLO 201 A FOSSO IL FIUME
33 ALL.TO STRADA S.ANTONIO		202 A TAMURÉ
34 A CABINA ENEL LOCALITÁ BARANO		SANTA MARINELLA
35 ▲ CAMPING CHEZ VOUS		203 250 MT DX FOCE FOSSO CASTEL SECCO
36 ▲ CAMPING PATRIZIA		204 250 MT DX FOCE FOSSO DEL QUARTACCIO
37 ▲ CAMPING PIETRE LANCIATE		205 250 MT DX FOCE FOSSO DELLE BUCHE
38 A CAMPING VAL DI SOLE		206 250 MT DX FOCE FOSSO ERI
39 A FOSSO DEL CIMITERO		207 © 250 MT DX FOCE FOSSO S.MARIA MORGANA 208 © 250 MT SX FOCE FOSSO CASTEL SECCO
40 ▲ FOSSO DEL LAVOTORE 41 ▲ FOSSO DEL PIANALE	125 • 1250 MT SX FOSSE CUPINO 126 • 250 MT DX FOCE FOSSO SANGUINARA	
42 A FOSSO DELLA PIANTATA		210 • 50 MT DX FOCE FOSSO CUPO
43 A FOSSO DI BARANO		211 • CAPO LINARO
44 A FOSSO IMBUTO		212 OCOLONIA PIO X-MT 500 DX FOSSO QUARTACCIO
45 ▲ FOSSO MELONA		213 FOCE FOSSO CASTRATO
46 ▲ FOSSO TURONE		214 FOCE FOSSO ERI
47 A LE NAIADI		215 FOCE FOSSO SMERDAROLO
BRACCIANO		216 FOCE RIO FIUME
		217 • MT 250 DX FOSSO DELLE GUARDIOLE 218 • MT 250 SX FOCE FOSSO QUARTACCIO
49 A 250 MT DX FOCE FOSSO DEL DIAVOLO 50 A 250 MT DX FOCE FOSSO DELLA FIORA		218 MT 250 SX FOCE FOSSO QUARTACCIO 219 MT 250 SX FOSSO DELLE GUARDIOLE
51 ○ ▲ 250 MT DX FOCE FOSSO DELLA MOLE		220 • VIA AURELIA KM 61,700
52 A 250 MT DX FOCE FOSSO GROTTA RENARA	136 A LA ROTONDA	221 VILLA MARAVIGLIA-ISTITUTO MATER GRATIAE
	137 ▲ MARTA	TARQUINIA
54 ▲ 250 MT SX FOCE FOSSO DEI QUADRI	138 A VILLA SCIACCA	222 • 1500 MT SX FOCE FIUME MARTA
55 ▲ 250 MT SX FOCE FOSSO DEL DIAVOLO		223 • 300 MT DX FIUME MIGNONE
56 A 250 MT SX FOCE FOSSO DELLA FIORA		224 + 400 MT DX FOCE FIUME MARTA
57 ▲ 250 MT SX FOCE FOSSO DELLA MOLE 58 ▲ 250 MT SX FOCE FOSSO GROTTA RENARA		225 • 700 MT. A SX DEL FIUME MIGNONE 226 • CAMPEGGIO EUROPING
58 ▲ 250 MT SX FOCE FOSSO GROTTA RENARA 59 ▲ 250 MT SX FOCE FOSSO VICARELLO		227 CANCELLO 1 - CAMPING RIVA DEI TARQUINI
60 A KM 16		228 • CANCELLO N.4
61 ⊕ ▲ KM 18		229 DEPOSITO BARCHE CAMPING TUSCIA TIRRENICA
62 ⊕ ▲ TORRACCIA	145 FOSSO DEL TAFONE	230 FOCE FIUME MIGNONE
CAPODIMONTE		231 ⊕ FOSSO DEI GIARDINI
63 A 200 MT DX LA BUSSOLA		232 • LE SALINE
64 ▲ 400 MT. DX FOSSO SPINETTO 65 ▲ CAMPING SAN LORENZO		233 • M.2000 SX FOCE FIUME MARTA 234 • PORTO CLEMENTINO
66 A FOSSO DEL TAVOLINO		235 PUNTA S.AGOSTINO
67 A FOSSO DI CANTINA		236 • RIVA BLUE
68 A FOSSO SPINETTO	151 A CASALE GABELLETTA	237 S. GIORGIO
69 A LOCALITÁ S. ANTONIO	152 A DISTRIBUTORE CARBURANTE	238 STABILIMENTO CALI
70 A MT.250 DX PUNTA S. BERNARDINO		239 STABILIMENTO TORRE DEL SOLE
CAPRAROLA		TERNI
71 ⊕ ▲ LIDO FOGLIANO 72 ▲ RISTORANTE BELLA VENERE		240 A ARA MARINA 241 A AZIENDA SOGGIORNO
CASTEL GANDOLFO	157 A LOC.CORNOS 250 MT. DX SCAVI ARCHEOLOGICI	
73 ⊝ ▲ 1750 MT DX EMISSARIO		243 A COMUNANZA
74 A 3000 MT DX EMISSARIO		244 A ECO
75 A 4350 MT DX EMISSARIO	160 ▲ RISTORANTE BUSSOLA	245 A RISTORANTE LIDO
76 ALTEZZA RUDERI		246 A SIRENETTA
77 A CABINA SOLLEVAMENTO VILLA PONTIFICIA		TREVIGNANO ROMANO
CASTIGLIONE DEL LAGO 78 ▲ DINETTE		247 ▲ 400 MT DX CONFINE C. DI BRACCIANO 248 ⊕ ▲ BAR MARCELLO
78 ▲ DINETTE 79 ▲ ISOLA POLVESE NUOVA		249 A CANNETO
80 A ISOLA POLVESE VECCHIA		250 A CONFINE CON COMUNE ROMA
81 A LA LUCCIOLA	165 • CASTELLO S.GALLO-MT1200 DX DALL'INCROCIO	251 A FOCE FOSSO PIANORO
82 A LIDO AREZZO	166 MT. 300 DX FOSSO DI LORICINA	252 A FOSSO LAGUSIELLO
83 A LIDO COMUNALE		253 A PUNTA PANTANELLO
84 A LIDO TRASIMENO-RIGUTINI-		TUORO SUL TRASIMENO
CERVETERI		254 ▲ ISOLA MAGGIORE-ZONA S.FRANCESCO-
85		255 A LIDO COMUNALE 256 A SPIAGGIA VECCHIO PONTILE IS.MAGGIORE
200 MT DAT COOC ZAMBNA		200 Indam Vegotilo i office lossinadione



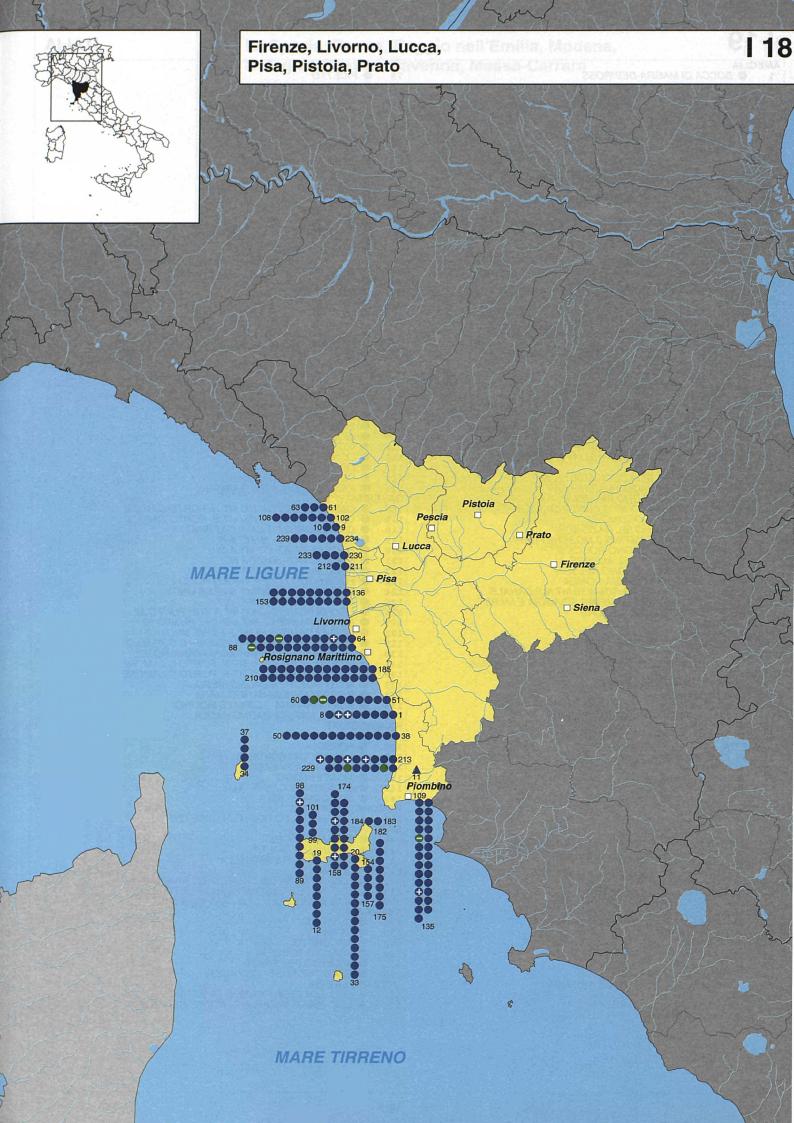
1 10		HALIA
ALBA ADRIATICA	GIULIANOVA	PORTO SAN GIORGIO
1	76 • 100 MT A NORD FOCE F. TORDINO 77 • 100 MT A SUD FOCE F. SALINELLO	152 • 300 MT. SUD FOSSO RIO VALLOSCURA 153 • DAVANTI FOSSO PETRONILLA
3 ONA ANTISTANTE VIA SARDEGNA	78 LUNGOMARE ZARA 50 MT SUD V.ANCONA	
4 OZONA ANTISTANTE VILLA GIULIA	79 • LUNGOMARE ZARA CIVICO N.7	PORTO SANT'ELPIDIO
ALTIDONA 5 • 100 MT. SUD FOSSO S. BIAGIO	80 OZONA ANTISTANTE LUNG.RE SPALATO 80 GROTTAMMARE	155 ○ ● 300 MT. SUD FOCE CHIENTI 156 ○ ● 750 MT. NORD FOCE TENNA
6 300 MT NORD FOCE FIUME ASO	81 + 150 MT. NORD FOCE TESINO	157 900 MT. SUD FOCE CHIENTI
7 300 MT. SUD FOSSO S. BIAGIO	82 O 150 MT. SUD FOCE TESINO	158 DAVANTI "FOSSO DEL PALO"
8 850 MT. SUD FOSSO S. BIAGIO	83 • 1500 MT. NORD FOCE TESINO	159 DAVANTI FOSSO CASTELLANO
ANCONA 9 PASSETTO ASCENSORI	84	160 • DAVANTI FOSSO DEGLI ALBERI 161 • DAVANTI FOSSO SERPE
10 PASSETTO SOTTO LA PISCINA COMUNALE	86 DAVANTI SCOGLIO S. NICOLA	POTENZA PICENA
11 PIETRALACROCE (CASA DIROCCATA)	MARTINSICURO	162 0 100 MT NORD FOSSO ALVATA
12 PIETRALACROCE (CASA GRIGIA) 13 PIETRALACROCE (CASE VERDE)	87 • 100 MT ANORD FOCE F. VIBRATA	163 100 MT NORD SCARICO DEPURATORE COMUNALE
13 PIETRALACROCE (CASE VERDE) 14 PORTICCIOLO TORRETTE	88	164 • 100 MT SUD SCARICO DEPURATORE COMUNALE
15 PORTONOVO EMILIA	90 VILLA ROSA	166 ⊕ ● IN DIR. DEL FOSSO A MARE
16 PORTONOVO SCOGLIO "VELA"	91 ZONA ANTISTANTE LUNG.RE ITALIA N.6	167 O IN DIR. FOSSO ACQUABONA
17 SBOCCO COLL. ACQUE CHIARE MONTE CARDETO 18 SBOCCO FOSSO CIVICO N.311 - SS. FLAMINIA		168 IN DIH. FUSSU PILUCCU
19 SBOCCO FOSSO MANARINI	MASSIGNANO	ROSETO DEGLI ABRUZZI
20 SEDIA DEL PAPA	94 DAVANTI FOSSO S. GIULIANA	170 • 100 MT A NORD FOCE F. VOMANO
21 SERIE CASETTE GRIGIE 22 SOTTOPASSAGGIO TORRETTE	MONTEMARCIANO 95 BAR NUMERO CIVICO 13	171 • 300 MT A SUD FOCE F. TORDINO 172 • 50 MT NORD FOCE T. BORSACCHIO
22 SOTTOPASSAGGIO TORRETTE 23 TARGA PALOMBINA NUOVA	96 CASA NUMERO CIVICO 102	172 • 50 MT NORD FOCE T. BORSACCHIO 173 • 50 MT SUD FOCE T. BORSACCHIO
24 • TRAVE	97 CASA NUMERO CIVICO 123	174 • 580 MT A NORD ANGOLO VIA L'AQUILA
25 ULTIMO SOTTOPASSAGGIO PALOMBINA NUOVA	98 CASA NUMERO CIVICO 61	175 IN CORRISPONDENZA KM.414,200 SS.16
26 • VALLE DI MONTIROZZO CALDAROLA	99 • CASA NUMERO CIVICO 80 100 • CASELLO FERR.N.190	176
27 A STABILIMENTO RIVA VERDE	101 • EX BABY BRUMMEL	178 • ZONA ANTISTANTE VIA CEAGGIO
28 ⊕ ▲ STABILIMENTO SPITFIRE	102 MONTECATINI (FOSSO AVENA)	179 OZONA ANTISTANTE VIA L'AQUILA
CAMERINO 29	103 PENNACCHIONI	S. BENEDETTO DEL TRONTO
29 A SPONDA SX 1200 MT DIGA - KM 47,300 SS 77 CAMPOFILONE	104 SIMEM 105 TABELLA "LUNGOMARE DI MONTEMARCIANO"	180 ● 100 MT. NORD CANALE BONIFICA - SURGELA 181 ⊕ ● 200 MT SUD CANALE BONIFICA - SURGELA -
30 0 600 MT. SUD FOSSO CAMPOFILONE	106 VILLETTA TERESA	182 300 MT. NORD FOCE TRONTO
31 DAVANTI FOSSO RIO CANALE	MONTESILVANO	183 DAVANTI FOSSO ACQUA CHIARA
CINGOLI 32 ▲ CONTRADA CROCIFISSO	107 • 100 MT SUD FOCE F. SALINE 108 • ZONA ANTISTANTE FOCE F.SSO MAZZOCCO	184
33 A CONTRADA PANICALI	109 OZONA ANTISTANTE VIA BRADANO	186 • DAVANTI TORRENTE RAGNOLA
34 ▲ SPIAGGIA KAMBUSA	110 O ZONA ANTISTANTE VIA LEOPARDI	187 FOCE TORRENTE ALBULA
CITTÀ SANT'ANGELO	NUMANA	SCANNO
35 300 MT A NORD FOCE F. SALINE 36 50 MT A SUD FOCE T. PIOMBA	111 • CONDOMINIO GALASSIA 112 • CONFINE PROVINCIA - NORD FOCE MUSONE	188 ▲ ANTISTANTE CHIESETTA DEL LAGO 189 ⊙ ▲ ANTISTANTE LOCALITÁ ACQUAVIVA
CIVITANOVA MARCHE	113 HOTEL FIOR DI MARE	SENIGALLIA
37 😑 100 MT NORD DIREZ MOSTRA DELLA CALZATURA		190 • A 100 MT. ASSE FOCE FIUME CESANO
38 • 400 M. NORD FOCE FIUME CHIENTI 39 • CINEMA ADRIATICO	115 NORD "NUMANA PALACE" 116 NUMANA BASSA	191 • ABITAZIONE ALTA DI FRONTE OLIVETTI 192 • CAMPI TENNIS PONTE ROSSO
40 DI FRONTE ALL'EX CANTIERE "SEFA"	117 SANTA CRISTIANA	193 • CASA CON MANSARDA
41 IN DIR. FOSSO CARONTE	118 ⊕ ● ZI NENÉ	194 • CASELLO FS N.182
42 + IN DIR. FOSSO CASTELLARO	PEDASO	195 COLONIA ENEL
43 IN DIR. FOSSO LOC.TRE CASE 144 IN DIR. FOSSO MARANELLO	119 O 200 MT. SUD FOCE ASO 120 300 MT. NORD CENTRALE ENEL PEDASO	196
45 IN DIR. TORRENTE ASOLA	PESCARA	198 HOTEL ATLANTIC
	121 O 100 MT A NORD FOCE F. PRETARO	199 HOTEL INTERNATIONAL (50 MT SUD)
CUPRA MARITTIMA	122 • 100 MT SUD MOLO PORTO TURISTICO 123 • 300 MT NORD MOLO F. PESCARA	200 • HOTEL RITA 201 • HOTEL ROMA
48 \bigcirc DAVANTI TORRENTE MENOCCHIA	124 © ZONA ANT.TE F.SSO VALLELUNGA	202 MOLO SUD
49 DAVANTI TORRENTE S. EGIDIO	125 ONA ANTIS.TE ROTONDA V.LE RIVIERA NORD	203 PALAZZONI GEMELLI
FALCONARA MARITTIMA	126 O ZONA ANTISTANTE TEATRO D'ANNUNZIO	204 PENSIONE LORI
50 BAR BONVINI (CHIOSCO) 51 CASELLO FERROV.N.196	127 🔾 🔵 ZONA ANTISTANTE VIA BALILLA 128 🗶 ZONA ANTISTANTE VIA CARDONA	205 ROTONDA SILVI
52 CASELLO FERROV.N.197	129 ⊙ ■ ZONA ANTISTANTE VIA MAZZINI	206 225 MT SUD FOCE F.SSO CONCIO
53 COLONIA CIF	PIEVEBOVIGLIANA	207 50 MT NORD FOCE T. PIOMBA
54 DI FRONTE STAZIONE FF.SS. 55 DISTRIBUTORE BP	130 ⊕ ▲ SPONDA DX 200 MT DALLA DIGA PINETO	208
56 FOSSO NUOVO	131 • 100 MT A NORD FOCE T. LE FOGGETTE	
57 • HOTEL LUCA	132 • 100 MT A SUD FOCE F. VOMANO	211 OZONA ANTISTANTE P.ZZA DEI PINI
58 PRIMA PIATTAFORMA	133 • IN CORRISPONDENZA KM 424,100 SS.16	
59 PRIMO CAVALCAVIA 60 SECONDA PIATTAFORMA	134 IN CORRISPONDENZA KM 425 - VILLA FUMOSA 135 ZONA ANT.TE TORRE CERRANO	213 • A NORD DEL CAMPING
61 SECONDO CAVALCAVIA	136 OZONA ANTISTANTE FOCE F. CALVANO	214 BAGNI PEPPE
62 TIRO AL PIATTELLO	137 O ZONA ANTISTANTE VIA LIGURIA	215 CAMPING
FERMO 63 ■ 100 M. SUD FOCE ETE VIVO	PORTO RECANATI 138 • 100 MT NORD SCARICO "FIUMARELLA"	216 DUE SORELLE 217 ROCCE NERE
64 150 M. NORD FOSSO RIO VALLOSCURA		218 SOTTO IL CAMPANILE
65 • 150 M. NORD FOSSO S. BIAGIO	140 • 100 MT SUD SCARICO "FIUMARELLA"	219 SOTTO VILLA BIANCHELLI
66 150 M. SUD FOSSO RIO VALLOSCURA		TOLENTINO
67	142 200 MT. NORD SCARICO FIUMARELLA 300 MT. NORD FOCE FIUME POTENZA	220 A EX STABIL. TO BALNEARE TORTORETO
69 © 500 MT SUD FOCE TENNA	144 0 300 MT. SUD FOCE FIUME POTENZA	221 ○ ● 150 MT A NORD FOCE F. SALINELLO
70 • 600 MT. SUD FOCE ETE VIVO	145 • 50 MT SUD VILLAGGIO TURISTICO "SIRIO"	222 ONA ANTISTANTE LUNG.RE SIRENA
71	146	223
72 CASA BIANCA VIA RIVA DEL PESCATORE 73 FINE V. DELLA STAZIONE (MARINA PALMENSE)		225 • ZONA ANTISTANTE VIA L. DA VINCI
FIASTRA	149 IN DIR. FOSSO MONTORSO	VILLALAGO
74 A CHIESA BEATO UGOLINO	150 O IN DIR. SCARICO JET HOTEL	226 ○ ▲ ANTISTANTE BOCCA DEL LAGO
75 A S. LORENZO	151 ⊕ ● VIA LEPANTO,IN DIREZIONE N.CIVICO 140	227 ANTISTANTE CAMPEGGIO "I LUPI" 228 ANTISTANTE LOCALITÁ SPIAGGETTA



易	i a a a				TI ALIA
	BELLARIA-IGEA MARINA				FOCE CANALE NASSA
	1				GIANNELLA - CAMPING AGRITURISTICA IL VOLTONCINO
	3 BELLARIA RIO PIRCIO				LATO NORD FOCE FIUME ALBEGNA
	4 • VENA 2 BELLARIA	84	VILLAGGIO SVIZZERO	160	LATO NORD FOCE FIUME OSA
	CAPALBIO	GABICC			LATO SUD FOCE FIUME ALBEGNA
- 1	5				LATO SUD FOCE FIUME OSA LIDO DI GIANNELLA
	7 SPIAGGIA MACCHIA TONDA				LOC. GIANNELLA - SALINE
	8 SPIAGGIA LA TORBA		60 MT. NORD PORTO VALLUGOLA		LOCALITÁ IL PINO
	9 SPIAGGIA LAGO DI BURANO		HOTEL VENUS		MOLO SIPE - MOBEL - LOC. PUNTATA SUD
5	CASTIGLIONE DELLA PESCAIA 10 CAMPEGGIO BAIA VERDE	GATTEO	FOCE RUBICONE 50 MT NORD) SALINE BRESCHI) SPIAGGIA FERTILIA - LOCALITÁ PODERINO
	10 CAMPEGGIO BAIA VERDE 11 CAMPEGGIO ETRURIA	GROSSE			SPIAGGIA S. LIBERATA
1	12 • CAMPEGGIO PUNTA ALA		COLLELUNGO PARCO DELL'UCCELLINA		STRADA PROV. GIANNELLA KM 2
	13 CAMPEGGIO SANS SOUCI		DAVANTI BAGNO FF.SS.		TAGLIATA - TORRE PUCCINI
1	14 • CAMPEGGIO SANTA POMATA				TALAMONE - BAGNO DELLE DONNE TALAMONE - DIGA FORANEA CANNONE
	15 CASETTA CIVININI 16 DAVANTI BAR CIRO				TRALICCIO ENEL
	17 • DAVANTI VIA D'AZEGLIO		INIZIO PARCO PRINCIPINA MARE	PESARC	
1	18 FOCE FOSSO TONFONE		LATO NORD FOCE EMISSARIO S. ROCCO		
	19 FOCE TORRENTE ALMA 20 HOTEL WELTRING		LATO SUD FOCE EMISSARIO S. ROCCO LOC LE PIGNACCE		0 30 MT NORD FOSSO SEJORE 0 30 MT NORD MOLETTO
					30 MT NORD MOLETTO
				179	30 MT SUD MOLETTO
					30 MT SUD TORRENTE GENICA
					50 MT SUD TRATTO A MARE VIALE VARSAVIA
			EL GIGLIO CALA MAESTRA - ISOLA DI GIANNUTRI		COLONIA GIOVENTU ITALIANA COLONIA PP TT
	27 • RIVA DEL SOLE - PARCHEGGIO VIA SIENA	105	CAMPESE - TORRE	184	CROCE
	28 SCOGLIO ROCCHETTE	106			FIORENZUOLA STRADA A MARE
			CAMPESE OVEST LO SPALMATOIO - ISOLA DI GIANNUTRI		HOTEL CRUISER
) PIAZZALE TRIESTE) SOPRAPASSO FS AL KM. 240,9 SS. 16
	CATTOLICA				SOPRAPASSO FS AL KM. 242,8 SS.16
	32 CATTOLICA SCARIC.PIENA F.V.LE FIUME				SOTTOPASSO FFSS AL KM 240,270 SS 16
					VALLE PARADISO
	34 FOCE TORRENTE VENTENA 50 MT N. 35 FOCE TORRENTE VENTENA 50 MT S.				VALLUGOLA VIA PARIGI NUMERO CIVICO 8
					VIALE BERNA
-	CESENATICO				VIALE VACCAI
	37 • CESENATICO - SCARICATORE DI PIENA 38 • CESENATICO 50 MT N. CANALE TAGLIATA		ADRIATICO		ZONA CAMPING PANORAMA ZONA CASTEL DI MEZZO
	38 CESENATICO 50 MT N. CANALE TAGLIATA 39 CESENATICO 50 MT S. CANALE TAGLIATA		FOCE TORRENTE CONCA 50 MT N.		ZONA SANTA MARINA
	40 PORTO CANALE CESENATICO-100 MT NORD		MISANO ADRIATICO RIO AGINA	RICCION	
)	41 PORTO CANALE CESENATICO-100 MT. SUD		MISANO ADRIATICO RIO ALBERELLO		FOCE TORRENTE MARANO 50 MT N.
.]	42 • VALVERDE NORD SCARICATORE DI PIENA		PORTO VERDE 100 MT N.		FOCE TORRENTE MARANO 50 MT S.
	43 • VALVERDE SUD SCARICATORE DI PIENA 44 • VILLA MARINA SCARICATORE DI PIENA				FOGLIANO MARINA SCARICATORE FOGLIANO MARANO SCARICATORE RIO ASSE
1	FANO		CAMPING MAROTTA EX BATTISTI		PORTO CANALE RICCIONE 100 MT N.
	45 • 150 MT. NORD SOTTOPASSO FS LOC. GIMARRA		FOSSO ARCOBALENO		PORTO CANALE RICCIONE 100 MT S.
1	46 • 180 MT. NORD ASSE FIUME METAURO				RICCIONE SCAR, PIENA F. COLONIA BURGO
			FOSSO DEI TURCHI L.MARE C.O COLOMBO - 100M. SUD N. 195		RICCIONE SCARICATORE RIO COSTA
			MOLETTO		BELLARIVA SCARICATORE COLONELLA 1
			VIALE COLOMBO N. 10		BELLARIVA SCARICATORE PRADELLA
			VIALE COLOMBO N. 45 VIALE COLOMBO N. 59		CANALE PEDRERA GRANDE
	52				COND. CAVALLACCIO FOCE MARECCHIA 50 MT A N.
	54 • HOTEL AL KM. 246,4 SS.16		CALA GALERA - PUNTA PERTUSO	212	FOCE MARECCHIA 50 MT A S.
- 1	55 • HOTEL IMPERIAL		PORTO ERCOLE - CALETTA S.CATERINA		MIRAMARE SCARICATORE RONCASSO
	56 HOTEL SPIAGGIA ORO		PORTO ERCOLE - LE VISITE	214	RIMINI 100 MT N. PORTO CANALE
. ,	57 • HOTEL TOSCA 58 • MAROTTA - PENSIONE TRIESTE	133 • 134 •	PORTO ERCOLE - LO SBARCATELLO PORTO ERCOLE - SPIAGGIA ACQUA DOLCE	215	RIMINI 100 MT S. PORTO CANALE RIMINI SCARICATORE AUSA
	59 METAURILIA STRADA A MARE C/O CHIESA	135	PORTO S. STEFANO LOCALITÀ SILURIPEDIO	217	RIMINI SCARICATORE COLONELLA 2
à	60 NUOVO LIMITE SUD FOCE FIUME METAURO	136	PORTO S.STEFANO - CALA CACCIARELLA	218	RIVABELLA SCARICATORE TURCHETTA
	61 PENSIONE ANGELA SASSONIA CENTRO		PORTO S.STEFANO - CALA CANNELLE		
	62 ● PONTE SASSO - V.FAA DI BRUNO CIV.148 63 ⊕ ● PONTE SASSO - V.FAA DI BRUNO CIV.169		PORTO S.STEFANO - CALA GRANDE PORTO S.STEFANO - CALA PICCOLA		RIVAZZURRA SCARICATORE RODELLA TORRE PEDRERA SCARICATORE BRANCONE
	64 PONTE SASSO - VIA AMMIRAGLIO CIV.44	140	PORTO S.STEFANO - IL MOLETTO	222	VISERBELLA SCARICATORE LA SORTIA
	65 PONTE SASSO - VIA AMMIRAGLIO CIV.70	141	PORTO S.STEFANO - IL POZZARELLO	223	VISERBELLA SCARICATORE LA TURCHIA
	66 ⊕ PONTE SASSO CASELLO FF.SS. 67 ■ RISTORANTE AL KM. 244,75 SS.16	142 • 143 •			VISERBELLA SCARICATORE SPINA SACRAMORA URO PASCOLI
					VENA 1 SAN MAURO
	69 SFIORATORE DEPURATORE SASSONIA SUD		PORTO S.STEFANO - VILLA DOMIZIA		ANO SUL RUBICONE
	70 SPIAGGIA LIDO 100 MT. SUD MOLO ARZILLA		PUNTA NERA		FOCE RUBICONE 50 MT A S.
	71 • TORRETTE - BAGNI LORI 72 • TORRETTE - SOTTOPASSO RIO MARSIGLIANO	ORBETE	100 MT SUD CAMPEGGIO IDEAL	SCARLI	NO CALA MARTINA (CALA VIOLINA)
	73 TORRETTE LARGO BELLARIVA SCALETTA MARE				CALA FELICE
	74 • VIA FAA DI BRUNO N. 88	149	CALA CANNELLE	229	CALA FRANCESE
	75 VIA FAA DI BRUNO N. 24				COLONIA MARINA AREÇZO
	FOLLONICA 76 CENTRO FOCE CERVIA		FENIGLIA - 1 CAMMINAMENTO FORESTALE FENIGLIA - BARTOLINI		FIUMARA NORD LA POLVERIERA
	77 • CLUB NAUTICO	153	FENIGLIA - BARTOLINI FENIGLIA - LATO ANSEDONIA		NORD EMISSARIO
	78 COLONIA MARINA C.R.IELIOFISIOTERAPICA-	154	FENIGLIA KM 3		SUD EMISSARIO
	79 NORD-OVEST GORA	155	FOCE CANALE ANSEDONIA		
	1				



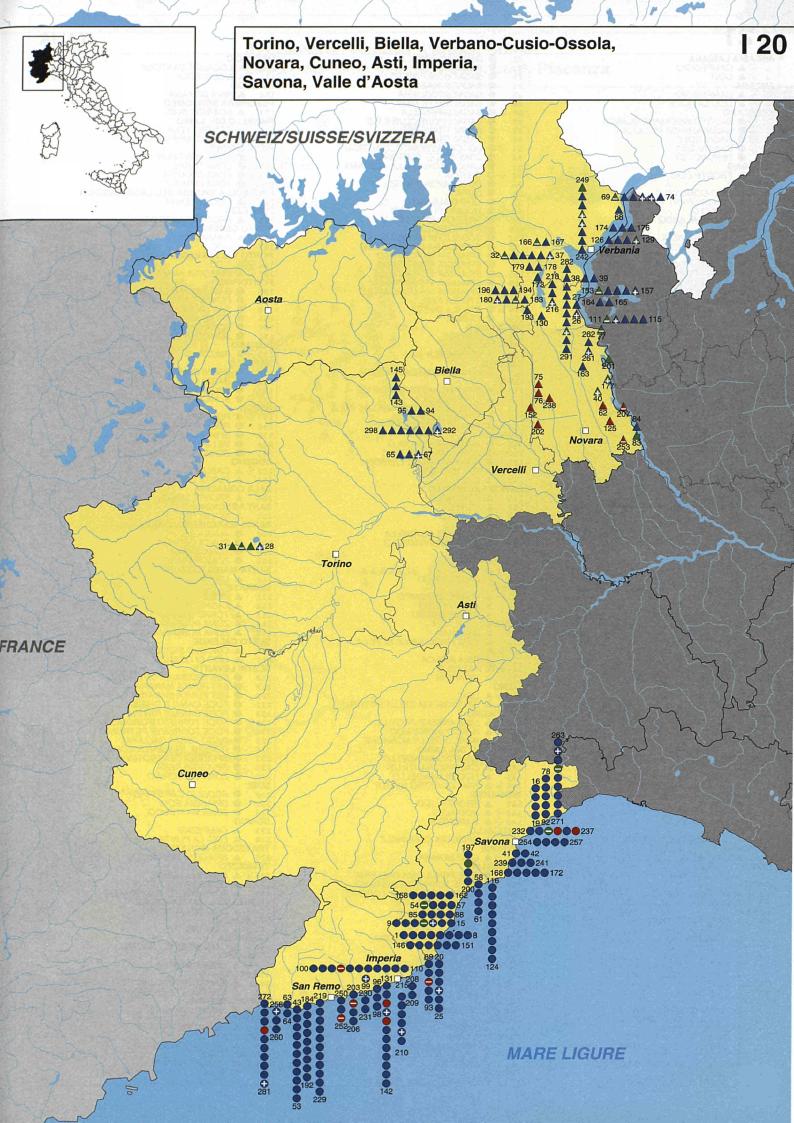
		II ALIA
BIBBONA	79 NETTUNO - TIRRENO	160 LOC BAGNAIA
1 BAR "LA PINETA"	80 PANCALDI NORD-CAVALLEGGERI	161 LOC FORNO
2 CAMPING "JOLLY BEACH" 3 CAMPING ESPERIDI	81 PENDOLA 82 RIO ARDENZA 83 RISTORANTE CALAFURIA 84 SCOGLIERA LAZZERETTO	162 • LOC IL GRIGOLO
3 CAMPING ESPERIDI	82 RIO ARDENZA	163 ⊕ LOC LA BIODOLA (HERMITAGE)
4 CAMPING IL CAPANNINO (EX CAMINETTO)	83 RISTORANTE CALAFURIA	164 LOC LA BIODOLA (PENSIONE ROSA)
4	84 SCOGLIERA LAZZERETTO 85 SCOGLIERA ROTONDA ARDENZA	165 • LOC LE GHIAIE 166 • LOC LE GROTTE
6 + FOSSO DELLA MADONNA NURD	85 SCUGLIERA RUTUNDA ARDENZA	166 LOC LE GROTTE
7 + POSSO DELLA MADONNA SUD	07 TODDENTE OLIEDCIANELLA	167 • LOC LE VISTE 168 • LOC MAGAZZINI
CAMAIORE	88 A TRE PONTI SUD	169 LOC S.GIOVANNI
9 50 MT NORD FOSSO DELL "ABATE	85 SCOGLIERA ROTONDA ARDENZA 86 TERRAZZA MASCAGNI 87 TORRENTE QUERCIANELLA 88 TRE PONTI SUD MARCIANA 89 BAGNO 90 COTONCELLO 91 LA GUARDIOLA 92 LOC CAMPO ALL'AIA 93 LOC CHIESSI 94 LOC PATRESI 95 LOC POMONTE 96 LOC PROCCHIO 97 LOC SPARTAIA 88 SANDREA - FOSSO DEL MARCONI -	170 • LOC SCAGLIERI
10 ARI FCCHINO	89 BAGNO	171 • LOC SCHIOPPARELLO
CAMPIGLIA MARITTIMA	90 COTONCELLO	172 • LOC VITICCIO
11 A LAGHETTO CALIDARIO	91 • LA GUARDIOLA	173 SPIAGGIA DELL"OTTONE
CAMPO NELL'ELBA	92 • LOC CAMPO ALL'AIA	174 TERME S.GIOVANNI
12 • ANTISTANTE IL FOSSO S.MAMILIANO-MARINA	93 • LOC CHIESSI	RIO MARINA
13 BAGNO CAPRICCIO - MARINA	94 • LOC PATRESI	175 CAPO D'ARCO
14 • GALENZANA	95 LOC POMONTE	176 LOC CALETTA
15 LOC CAVOLI	94	177 • LOC SPIAGGIA DI ORTANO
16 LOC FETOVAIA	97 + LOC SPARTAIA	178 LOC. CALA DELL'ALGA
17 EUG LA TOOL WATHIYA	30 O. ANDITEA TOUGH DET WATTOON	179 LOC. FRUGOSO
18 LOC SECCHETO 19 S. MAMILIANO - FOSSO DELLA LAMAIA -	MARCIANA MARINA	180 • LUNGOMARE DI CAVO
19 S. MAMILIANO - FOSSO DELLA LAMAIA - CAPOLIVERI	100 A LOCA FENICETTA	181 • LUNGOMARE KENNEDY - CAVO 182 • MONTE LE PAFFE
20 BARABARCA	101 LOCIA FENICIA	RIO NELL'ELBA
21 FOSSO SANTAMARIA	99 FOSSO DI LAVACCHIO 100 LOC LA FENICETTA 101 LOC LA FENICIA PIETRASANTA	183 • LOC NISPORTINO
22 • LACONELLA	102 0 50 MT, NORD FOSSO FILIMETTO	184 • LOC NISPORTO
23 • LOC LACONA	103 • 50 MT. NORD FOSSO MONTRONE	ROSIGNANO MARITTIMO
24 • LOC LE CALANCHIOLE	104 • 50 MT. SUD FOSSO FIUMETTO	185 ARENILE "I PUNGENTI"-PORTICCIOLO-TIRRENO
25 • MARGIDORE	105 • 50 MT. SUD FOSSO MONTRONE	186 • ARENILE MOLINO A FUOCO E MAZZANTA
26 MARGIDORE SUD	106 FOCE FOSSO FIUMETTO	187 • ARENILE PUBBLICO "LA BARACCHINA"
27 • MOLA	107 FOCE FOSSO MONTRONE	188 ARENILE PUBBLICO, RADA ETRUSCA
28 SPIAGGIA DI NAREGNO	MARCIANA MARINA 99	189 BAGNI FRANCESCA, GIMMA, LANTERNA, PINETINA
29 SPIAGGIA INNAMORATA	PIOMBINO	190 BAGNI LA BARCACCINA, LIDO (VADA)
30 SPIAGGIA LOC LIDO	109 CANALETTO	191 BAGNI MIRAMARE - LIDO - AUSONIA
31 SPIAGGIA MORCONE	110 CARBONIFERA	192 BAGNO ALDEBARAN, COLONIE ESTIVE, TAHITI
32 SPIAGGIA PARETI	111 CARLAPPIANO	193 BAGNO CHIOMA
33 STRACCOLIGNO	112 CENTRO CHIUSA	194 BAGNO QUERCETANO
CAPRAIA ISOLA	113 - ESPERIA	195 • BOTRO COTONE - BAGNO LO SCOGLIETTO 196 • BOTRO COTONE NORD
34 FOSSO FIUMARELLA 35 LOC LE GROTTE	115 MINDIANTI SPORTIVI COMUNALI	197 BOTRO CREPATURA SUD
36 SCARICO DEPURATORE CAPRAIA	116 A LA LAMORESCA	198 • BOTRO CREPATURA- "CALA DEI MEDICI"
37 SPIAGGIA DIETRO IL PORTO	117 • LANDINI	199 • BOTRO FORBICI
CASTAGNETO CARDUCCI	118 MORTELLICCIO	200 BOTRO FORTULLA
38 BAGNI S.LUCIA / SIRENA	119 PENNELLO DALMINE EST	201 BUCA DEI CORVI
39 BAGNI SANGRILÁ / LODOLO	120 PENNELLO DALMINE OVEST	202 FIUME FINE - BOTRO GALAFONE
40 BAGNO LA ZATTERA	121 • PERELLI	203 GABBIANO, AURORA, ITALIA, ROMA, NETTUNO
41 BAGNO LIDO	122 PERLA DEL GOLFO	204 LIANA, SIRENA, CANOTTIERI, SOLVAY, ARENILE
42 CAMPING CONTINENTAL	123 PIAZZA BOVIO	205 PUNTA RIGHINI
43 CANTIERE	124 PUNTA SALTACAVALLO	206 O TORRENTE QUERCETANO
44 CLUB MEDITERRANEE	125 RETONE OVEST	207 TRE SCOGLI-ETRURIA-SALVADORI-BELVEDERE
45 CONTE ALFREDO	126 S.CEHBONE	208 VILLA CELESTINA-LA CONCHIGLIA-S.PUBBLICA
46 FOSSO CAMILLA	127 SALIVULI	209 OZONA LILLATRO NORD 210 ZONA LILLATRO SUD
47 FOSSO SEGGIO DI BOLGHERI 48 IL PALONE	128 SAN QUIRICU	210 O ZONA LILLATRO SUD SAN GIULIANO TERME
49 • LE COLONNE	120 SEMAPORO	211 • CASERMA GUARDIA DI FINANZA
50 PARADISO	131 TORRE DEL SOLE	212 • MACCHIA S. ROSSORE
CECINA	132 O TORRE MOZZA	SAN VINCENZO
51 000 MT SUD BOTRO CECINELLA	133 O TORRE NUOVA EST	213 BAGNI DELFINO
52 BAGNI OLIMPIA / FARO	134 TORRE NUOVA OVEST	214 BAGNI FLORIDA
53 BAGNI SETTEBELLO	135 • VIALE AMENDOLA	215 BAGNI NETTUNO
54 BAGNO DELFINO	PISA	216 ⊕ ● BAGNO VENERE
55 BOTRO CECINELLA	136 BAGNI PERSONALE DI SAN ROSSORE	
56 • CAMPING FRANCESE - LE GORETTE	137 • BAGNO IMPERIALE TIRRENIA	218 BOTRO DEI MARMI SUD
57 FOSSO MOZZO		219 • EUROTURIST
58 ⊖ ● FOSSO NUOVO SUD 59 ● FOSSO NUOVO SUD	139	220 ● FOSSO DELLE ROZZE 221 ⊕ ● IL BUCANIERE
60 LA TERRAZZA	141 • BICCHI	222 • LA LANTERNA
FORTE DEI MARMI	142 • CAMPING MARE E SOLE - CALAMBRONE	
61 • 100 MT. NORD PONTILE	143 • CODE DEI POGGIATTI	224 • LA TORRACCIA
62 CAPANNINA DEL FORTE	144 • COLONIA FF.SS. CALAMBRONE	225 • LE PRIGIONI
63 COLONIA MARINA COMUNE DI SERAVEZZA		
LIVORNO	146 • DAVANTI BABALÚ	227 PUNTA SUD
64 O ACCADEMIA NAVALE	147 DAVANTI CAMPING DI MARINA DI PISA	
65 ACQUAVIVA		229 RIVA DEGLI ETRUSCHI
66 ⊕ BAGNI ACCADEMIA	149 • IL FORTINO	VECCHIANO
67 BAGNI FIUME		230 FOCE BUFALINO
68 ● BAGNI PEJANI - LIDO 69 ● BAGNI ROMA		231 • FOCE FIUME SERCHIO NORD 232 • FOCE FIUME SERCHIO SUD
69 ● BAGNI ROMA 70 ● BAGNO PAOLIERI	152	
71 BAGNO PAOLIERI 71 BAGNO ROGIOLO	PORTO AZZURRO	VIAREGGIO
72 ○ BELLANA		234 0 50 MT. SUD FOSSO DELL"ABATA
73 BOTRO BANDITELLA		235 DARSENA
74 BOTRO FELCIAIO		236 • GALLERIA NETTUNO
75 • CALAFURIA		237 • LECCIONA
76 CALIGNAIA	PORTOFERRAIO	238 ROTONDA DI TORRE DEL LAGO
77 • HOTEL REX	158 FOSSO ACQUACAVALLA	239 VIA MARCO POLO
78 • MIRAMARE - MAROCCONE	159 ⊕ LOC ACQUAVIVA	
*		



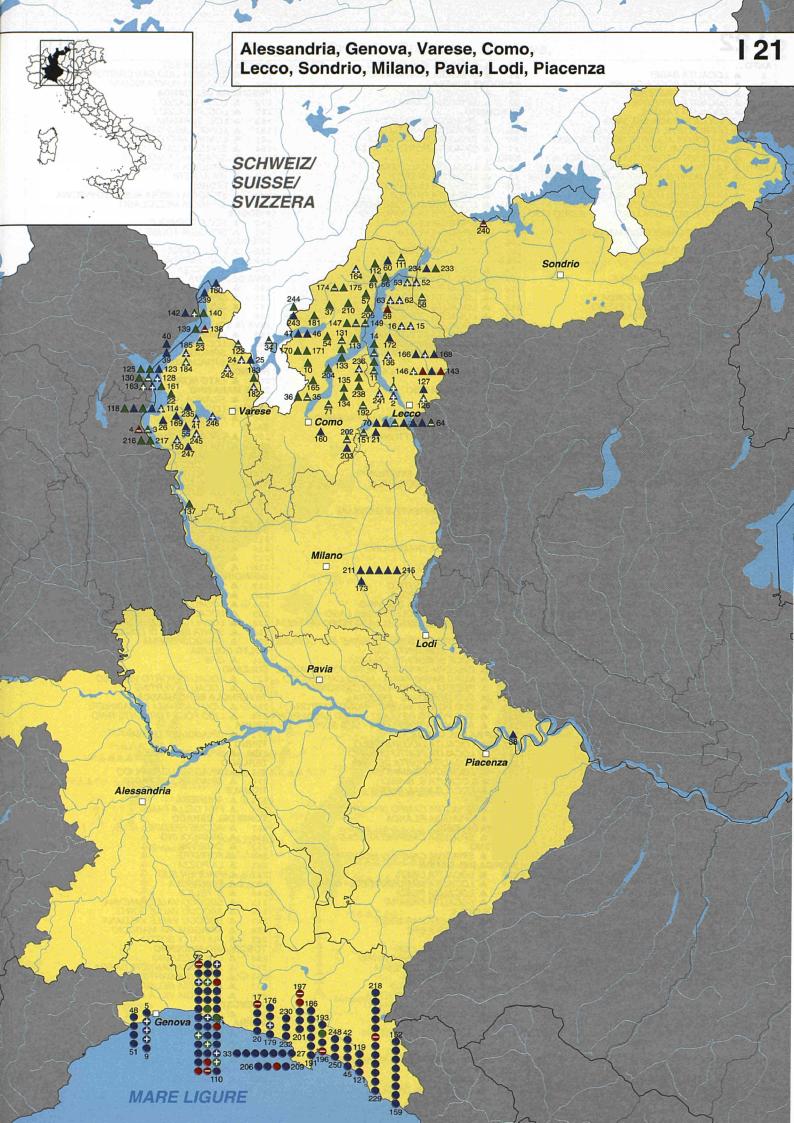
AMEGLIA	78 • LA SPIAGGIA
1 BOCCA DI MAGRA-DEBIROSS	79 PICETTO
2 • FIUMARETTA 3 • MAGRA EST	80 SCOGLIO GAGIATO 81 SPIAGGIA EST LA PIETRA
4 MAGRA OVEST	82 TORRENTE GHIARARO
5 PUNTA CORVO	83 • VALLESANTA LATO OVEST
6 • SPIAGGIONI	MASSA
7	84 BAGNO "GIOVANNI"
8 A FOCE FIUME MAGRA ARCOLA	85 BAGNO "ROSSI" 86 BAGNO "SACRO CUORE"
9 A CAMPO SPORTIVO ZONA INDUSTRIALE ARCOLA	87 BAGNO MAURO
10 LOC. BATTIFOLLO CAMPEGGIO MIRAFIUME	88 BAGNO PARADISO
BEVERINO	89 DESTRA BRUGIANO
11 ⊕ ▲ LOC. S. REMIGIO CHIESA PARROCCHIALE BONASSOLA	90 ⊖
12 • GONE	92 FOCE POVEROMO
13 • LATO EST	93 • FOCE RICORTOLA
14 • LATO OVEST	94 • IMBOCCO VASCA OSTELLO GIOVENTÚ
15 MARMI 16 SANTUARIO MADONNA	95 • SINISTRA BRUGIANO 96 • SINISTRA FRIGIDO
17 SOTTO MONTE PASTORELLI	MONTEROSSO AL MARE
BORGHETTO DI VARA	97 • CANALE VALLE
18 A V.R.MARGHERITA ANT.TE IMPIANTI SPORTIVI	98 CENTRO GOLFO
BRUGNATO 19 ANTISTANTE CASELLO AUTOSTRADALE	99 FEGINA 100 LO SCOGLIO
19 ANTISTANTE CASELLO AUTOSTRADALE CALICE AL CORNOVIGLIO	MONTIGNOSO
20 MARTINELLO PROS.TORRENTE USURANA	101 ⊖ ● BAGNO ALPEMARE
CARRARA	102 @ CONFINE MASSA CARRARA/LUCCA
21	103 ⊖ ● DESTRA VERSILIA 104 ⊝ ● SX TORRENTE VERSILIA
22 BAGNO "ZAZA" 23 BAGNO STELLA DEL MARE	PORTOVENERE
23	105 • ARENELLA
CERVIA	106 • BAR DORIA
25 CERVIA-BAGNO CASADEI	107 CALA DELLO SCHENELLO
26	108 • DIGA FORANEA OVEST 109 • INTERNO PORTICCIOLO
28 • MILANO MARITTIMA-150 MT N.CAN.IM.SALINE	110 ISOLA PALMARIA POZZALE
29 PORTO CANALE CERVIA 100 MT A N.	111 ISOLA PALMARIA TERRIZZO
30 PORTO CANALE CERVIA 100 MT S. SCOGLIERA	112 • LE NERE
COMACCHIO 31 FOCE CANALE BELLOCCHIO 50 MT N.	113 • LE ROSSE 114 • OLIVO PONTILE FERRARI
31 FOCE CANALE BELLOCCHIO 50 MT N. 32 LIDO DI SPINA-BAGNO MARINELLA	115 PALMARIA CALA DEI GABBIANI
33 • LIDO DI SPINA-BAGNO PIRAMIDE	RAVENNA
34 LIDO ESTENSI - 100 MT S.PORTO CANALE	116 • CASALBORSETTI - 100 MT N. PORTO CANALE
35 LIDO ESTENSI - LOGONOVO	117 CASALBORSETTI - 100 MT S. PORTO CANALE
36 LIDO NAZIONI - HOTEL NAZIONI 37 LIDO NAZIONI- CAMPING 3 MOSCHETTIERI	118 CASALBORSETTI CAMPING PINO 119 FOCE BEVANO - 50 MT A N.
38 • LIDO POMPOSA-BAGNO ROCCA S	120 FOCE BEVANO-150 MT A S.
39 LIDO SCACCHI-HOTEL ALFIERE	121 • FOCE SAVIO - 50 MT A N.
40 LIDO VOLANO-AL BAGNO NELSON	122 FOCE SAVIO - 50 MT A S.
41 • LIDO VOLANO-SPIAGGIA ROMEA 42 • PORTO GARIBALDI-B.ROMA 50 MT N.P.CANALE	123 FOCE SCOLO CUPA - MOLO NORD 124 LIDO ADRIANO 500 MT N FIUMI UNITI
43 PORTO GARIBALDI-CAMPING SPIAGGIA E MARE	125 • LIDO ADRIANO-BAGNO 007
44 TRA LIDI VOLANO E NAZIONE	126 LIDO DI CLASSE- 2000 MT A SUD PUNTO 32
DEIVA MARINA	127 LIDO DI DANTE - 2 KM A S. DEL PUNTO 28
45	128 • LIDO DI DANTE-150 MT S FIUME UNITI 129 • MARINA DI RAVENNA R.VERDE - B.CORALLO
FOLLO	130 MARINA DI RAVENNA-BAGNO PARK HOTEL
47 ⊕ ▲ PIANA BATTOLLA	131 MARINA ROMEA 100 MT N. PORTO C.LAMONE
FRAMURA	132 MARINA ROMEA 100 MT S. PORTO C.LAMONE
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95 A SPIAGGIA CASTELLO
96 A SPIAGGIA FONTANELLA ▲ SPIAGGIA PORTO DI VILLA IDRO ▲ LOCALITÁ CALCHERE

▲ LOCALITÁ GROTTA

▲ LOCALITÁ LEZZANO

▲ LOCALITÁ PAPOLE

▲ LOCALITÁ VANTONE NORD

▲ LOCALITÁ VANTONE SUD

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▲ TRE CAPITELLI

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28 A PONTILE BAR LIDO
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A LOC. TRA S. MARIA E MARNIGA

LOC. VASO

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77 ▲ PARTE OPPOSTA AL PUNTO N.3

78 ▲ STRADA PER CORTINA ZONA PIÙLARGA LAGO ▲ SPIAGGIA D'ORO 78 ▲ SIHADA PEH CONTINA ZUNA FIOLATION DE GENERALO SCILIAR
79 ● ▲ 10 METRI A SUD RISPETTO AL PUNTO N 1
80 ▲ 50 METRI A EST DEL PUNTO N 1
81 ▲ CENTRO LAGO PARZANICA
173 ▲ PUNTA LA PIETRA E MULINO
PERGINE VALSUGANA
174 ▲ CÁROSSA
175 ▲ SPIAGGIA AL FARO BAIA DELLE SIRENE FOCE TORRENTE VOLPARA PUNTA SAN VIGILIO SPIAGGIA EUROPA NORD

▲ SPIAGGIA EST ▲ SPIAGGIA LIDO SAN CRISTOFORO ▲ SPIAGGIA PUNTA INDIANI PREDORE

192 ▲ LOC. CORNA

193 ⊕ ▲ LOC. EUROVIL

194 ▲ S. ROCCO

RIVA DEL GARDA

195 ▲ SPIAGGIA HOTEL PIER

196 ⊕ ▲ SPIAGGIA OLIVI

197 ▲ SPIAGGIA PINI

198 ▲ SPIAGGIA SABBIONI

DIVA DI SOI TO 198 A SPIAGGIA SABBICIA
RIVA DI SOLTO
199 A CAMPING 30 PASSI
200 A LOC. BOGN
201 A SPIAGGIA DOANA
202 A STRADA VECCHIA SALE MAHASINO
204 ⊕ ▲ FILANDA
205 ⊕ ▲ LOCALITÁ SALETTO
206 ▲ PORTO NUOVO
SALO SALO
207 ♠ ▲ LOCALITÁ CIMITERO
208 ♠ ▲ VIA RIVE GRANDI
SAN FELICE DEL BENACO
209 ♠ BAIA DEL VENTO
210 ♠ ▲ LOCALITÁ GHIACCIAIE
211 ♠ ▲ LOCALITÁ NAVENAGO
212 ▲ LOCALITÁ SPIZZAGO
SARNICO
213 ♠ LIDO DEL POVERI SIRMIONE

219 ▲ LOCALITÁ CANTARANE

220 ▲ LOCALITÁ GARDEN LIDO

221 ⊕ ▲ LOCALITÁ PORTO GALEAZZI

222 ▲ LOCALITÁ PUNTA STAFFALO

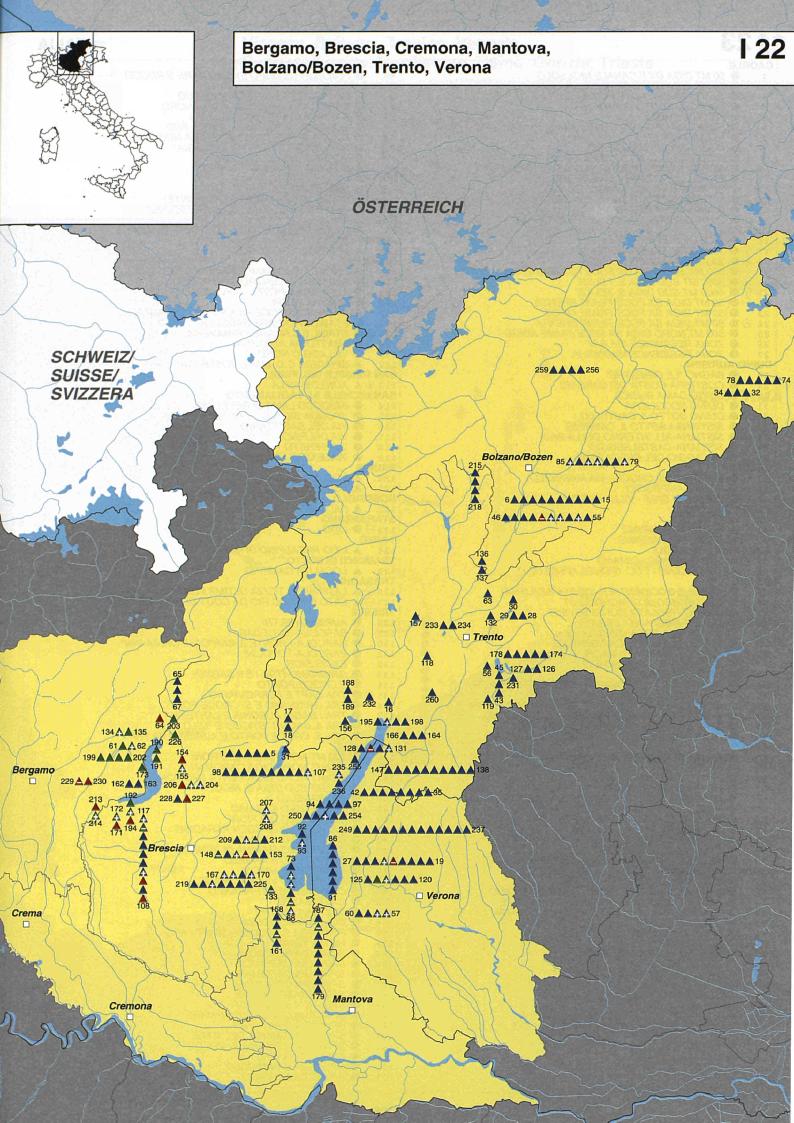
223 ▲ LOCALITÁ PUNTA STAFFALO

224 ▲ SANTA MARÍA DI LUGANA

225 ▲ SPIAGGIA BREMA

SOLTO COLLINA

226 ▲ GRF 227 LOCALITÁ PORTO VECCHIO
228 LOCALITÁ VERTINE
TAVERNOLA BERGAMASCA
229 LIDO CASERMA CARABINIERI
230 LIDO FOCE TORRENTE RINO
TENNA
231 A SOLACIO 231 A SPIAGGIA DI TENNA TENNO ▲ SPIAGGIA GRANDE TERLAGO
233 A SPIAGGIA LIBERA-LIDO
234 A SPIAGGIA TRE FAGGI 255 A SPIAGGIA CAMPIONE VARNA



1 20	
CAORLE	88 CAMPING LAZZARETTO
1	89 PONTILETTO DOPO EX CANTIERE S.ROCCO PORTO TOLLE
3 ○ ● 50 MT DIGA SX FOCE FIUME LIVENZA	90 BARRICATA - FINE SPIAGGIA SUD
4	91
6 • • HOTEL MARINA	93 BOCCASETTE - FINE SPIAGGIA SUD
7 • HOTEL NETTUNO	94 BOCCASETTE - INIZIO SPIAGGIA NORD
8	95 • BOCCASETTE-CENTRO SPIAGGIA 96 • SCANNO CAVALLARI - FINE
10 O PORTO S.MARGHERITA PIAZZ.LE PORTESIN	97 SCANNO CAVALLARI - INIZIO
11 ⊙ ● PRÁ DELLE TORRI - DUNA VERDE	PULFERO
12 SPONDA DX FOCE CANALE DEI LOVI 13 SPONDA SX FOCE CANALE NICESOLO	98 ⊝ ▲ LOC. STUPIZZA 99 ⊝ ▲ LOCH - (50 M. A MONTE DEL PONTE)
14 ○ ● STRADA BRIAN MARE	100 ⊕ A PULFERO C/O ALBERGO "AL VESCOVO"
15 ⊕ ZONA COLONIE IN CORRISP.VIA TORINO	RAGOGNA
CHIOGGIA 16 ● 1000 MT SUD DIGA S. FELICE	101 A FIUME TAGLIAMENTO LOC.TÁ "LA TABINA" REVINE LAGO
17 ⊕ ● 1600 MT SUD DIGA S. FELICE	102 A SPIAGGIA PRO LOCO
18 ⊝ ● 200 MT SUD DIGA S. FELICE 19 ● 300 MT SUD DIGA DX FOCE FIUME BRENTA	ROSOLINA 103 ● 750 MT A SUD CAMPEGGIO VITTORIA
20 ⊕ ■ 3000 MT SUD DIGA DX FOCE FIDINE BRENTA	104 • ALBARELLA-CENTRO SPORTIVO
21 🕀 🌑 4600 MT SUD DIGA S. FELICE	105 • ALBARELLA-HOTEL CAPO NORD
22 ○ ● 50 MT DIGA DX FOCE FIUME BRENTA 23 ● 50 MT DIGA SX FOCE FIUME ADIGE	106 PUNTA CALERI 107 SPONDA SX FOCE FIUME PO DI LEVANTE
24 O SOMT DIGA SX FOCE FIUME BRENTA	108 STABIL.BALNEARE BAGNI DAL MORO
25 • 500 MT NORD DIGA SX FOCE FIUME ADIGE	109 ⊕ STABIL.BALNEARE PRIMAVERA
■ ZONA RESIDENCE ISA A-B ZONA RESIDENCE MAGNOLIA	110 • TRATTORIA AI CASONI 111 • VILLAGGIO NORD
DUINO-AURISINA	112 A SPIAGGIA C.D. MARE VOSTRUM
28 BAGNO "LE GINESTRE"	SAN DANIELE DEL FRIULI
29	113 AONEDIS DI LÁ SAN MICHELE AL TAGLIAMENTO
31 DUINO SCOGLIERA	114 MBOCCO LAMA DI REVELINO
DUINO SOTTO IL CASTELLO	115 SPONDA SX FOCE CANALE DEI LOVI 116 VIA DEL SAGITTARIO
33 SISTIANA - SOTTO IL CAMPING 34 SISTIANA-ALL'INTERNO DELLA BAIA	116 VIA DEL SAGITTARIO
35 SISTIANA-CASTELREGGIO	118 • VIA VENETO
B6	119 • VIALE DEGLI ONTANI SAURIS
RACLEA 37	120 A LOC. "LA MAINA"
88 ⊕ ● ZONA CAMPEGGIO	121 ▲ LOC. EST RIO STORTO
B9 · O ZONA COLONIE - VILLA PASTI FARRA D'ALPAGO	SOSPIROLO 122 A FALCINE
ARRA D'ALPAGO 10 ▲ POIATTE	STARANZANO
11 ▲ S.CROCE-CAMPING	123 ⊕ ● LIDO
12 ⊝ ▲ SARATHEI-CAMPING ORGARIA NEL FRIULI	TARZO 124 ▲ LIDO PREALPINO DI FRATTA
13 ⊝ ▲ LOC.CORNINO - CIMANO	TRAMONTI DI SOTTO
▲ TOR.ARZINO - LOC. "PONTE ARMISTIZIO"	125 A LOCALITÁ CAMPING
GRADO 45 • ARENILE OCCIDENTALE (COSTA AZZURRA)	TRASAGHIS 126 ⊕ ▲ LATO S/E ALTEZZA ULTIMA FONTANA PUBBLICA
16 GRADO - ISOLA DI MORGO EST	127 ⊙ ▲ LATO S/W LOC.RIO DA COUT DI FRONTE CAMP.
GRADO - ISOLA DI MORGO OVEST	TRIESTE
18 ● GRADO - ISOLA VOLPERA - 19 ● GRADO - LA FOSA OVEST	128 • AURISINA FILTRI 129 • BARCOLA-EX CEDAS
50 • GRADO - LIDO DEL CARABINIERE	130 BARCOLA-FRONTE IL BAR"CALIFORNIA INN"
51	131 • BARCOLA-TOPOLINI 132 • EXCELSIOR
GRADO - PORTO BUSO EST GRADO - VALERIAN	133 • GRIGNANO (TRA I E II BAGNO)
GRADO-AQUILEIA-CAMPING BELVEDERE PINETA	134 • S.CROCE-PORTO
55 PUNTA DI BARBACALE-ARENILE 66 ROTTA PRIMERO-CAMPING EUROPA E P.TA SPIN	135 ⊝ ● TRA EAPT E FERROVIARIO 136 ● TRA GRIGNANO E S. CROCE PORTO
ROTTA PRIMERO-CAMPING EUROPA E P.TA SPIN ROTTA PRIMERO-CAMPING TENUTA PRIMERO	137 • TRA I BAGNI AUSONIA E LANTERNA
88 SPIAGGIA PRINCIPALE-VIALE DEL SOLE	138 TRA IL BAGNO "STICCO"E "MILITARE"
9 STAB.BAGNI-ENTRATA TERRAZZA MARE SOLO	139 TRA S. CROCE PORTO E AURISINA FILTRI VENEZIA
10 • HOTEL BRIONI MARE	140 100 MT NORD DIGA ALBERONI
51 • HOTEL CASA BIANCA	141 • 100 MT NORD DIGA CAROMAN
12	142 • 100 MT NORD DIGA PUNTA ŞABBIONI 143 • 100 MT SUD DIGA S. NICOLÓ
4 • LAGUNA IL MORTO - CENTRO SPIAGGIA	144 BASSANELLO
5 PIAZZA EUROPA - HOTEL BEAU RIVAGE	145 • CAMPEGGIO CÁSAVIO
66 PIAZZA MILANO - CONDOMINIO PLAYA GRANDE 17 SPONDA DX FOCE FIUME PIAVE	146 • CAMPEGGIO DEI FIORI 147 • CAMPEGGIO GARDEN PARADISO
8 SPONDA SX FOCE FIUME PIAVE	148 • CAMPEGGIO GERMANIA
9 SPONDA SX FOCE FIUME SILE	149 OCAMPEGGIO MARINA DI VENEZIA
0 ● VILLAGGIO MARZOTTO - HOTEL PALM BEACH GNANO SABBIADORO	150 • CAMPEGGIO S.ANGELO 151 • CAMPEGGIO UNION
1 OCAMPING RIVIERA	152 • CAMPEGGIO VILLA AL MARE
2 ■ LIGNANO SABBIADORO-SPIAGGIA GABBIANO	153 • CAMPING MEDITERRANEO
3 ⊙ ● LIGNANO SABBIADORO-TERRAZZA A MARE 4 ● LUNGOMARE MARIN FRONTE HOTEL MARIN	154
5 PONTILE PINETA	156 • COLONIA MOROSINI
6 PUNTA TAGLIAMENTO	157 FINE DIGA S. NICOLÓ - 50 MT FARO
ARANO LAGUNARE 7 ● ISOLA DI S. ANDREA CENTRO	158 • HOTEL FENIX 159 • SPIAGGIA ALBERONI
8 ISOLA DI S. ANDREA SUD EST	160 SPIAGGIA CÁBIANCA
9 ISOLA DI S. ANDREA SUD OVEST	161 SPIAGGIA CAROMAN
EDUNO 0 ▲ PONTE NAVARONS	162 • SPIAGGIA COMUNALE 163 • SPIAGGIA DES BAINS
ONFALCONE	164 SPIAGGIA EXCELSIOR
1 MARINA JULIA-CONCESSIONI DEMANIALI	165 SPIAGGIA SANTONIO
12 • MARINA NOVA-CAMPING PANZANO LIDO IUGGIA	166 SPIAGGIA S.ANTONIO 167 SPIAGGIA S.MARIA DEL MARE
BAGNO G.M.T	168 SPIAGGIA S.PIETRO IN VOLTA
B4 BAGNO LAZZARETTO	169 SPIAGGIA S.VITO
B5 BAGNO MUGGESANO B6 BAGNO P.TA OLMI	170 • SPIAGGIA SAN NICOLO 171 • SPIAGGIA SORRISO
- DAGIO LITA CLIVII	TIT TO MICHIEL TO THE TOTAL TO THE TOTAL T



a partir de la composition della composition del

Luxembourg

1999 bathing season

15 May to 31 August

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

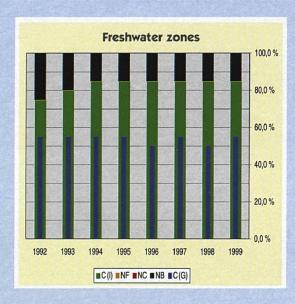
NF: percentage of bathing areas insufficiently sampled;
NC: percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data available);

NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

Luxembourg	Σ	C (1) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Freshwater zones 1992	20	75.0	55.0	0.0	0.0	25.0
1993	20	80.0	55.0	0.0	0.0	20.0
1994	20	85.0	55.0	0.0	0.0	15.0
1995	20	85.0	55.0	0.0	0.0	15.0
1996	20	85.0	50.0	0.0	0.0	15.0
1997	20	85.0	55.0	0.0	0.0	15.0
1998	20	85.0	55.0	0.0	0.0	15.0
1999	20	85.0	55.0	0.0	0.0	15.0

Figure 1 — Evolution of the results from 1992 to 1999



3. Number of bathing areas (freshwater: 20)

Luxembourg has no coastal waters. No bathing areas were withdrawn or added compared with the previous bathing season.

4. Comments

The situation remained strictly identical to the conditions prevailing in the previous bathing season. Regrettably, there has been no change since the 1994 bathing season;

- 17 of the 20 bathing areas complied with the mandatory values, giving a compliance rate of 85 % for these values;
- 11 of the 17 bathing areas also complied with the stricter guide values, giving a compliance rate of 55 % for these values;
- as in previous bathing seasons, bathing remained prohibited for health reasons in three bathing areas, giving a percentage of 15 %.

General information

Public information

Article 9 of the Grand-Ducal Regulation stipulates that the public is informed of the results concerning bathing water quality. Suitable information is posted in the town halls concerned and at bathing spots. In the event of a ban on bathing, failure to post visible warnings carries heavy penalties.

Wastewater treatment

The ban on bathing is maintained for the three bathing areas restricted since 1989, despite the constant quality improvement since the entry into service of the Born sewage treatment plant.

The call for tenders for the work to enlarge the Echternach sewage treatment plant had to be launched in 1998. The same also applies for the project of the Rosport sewage treatment plant.

6. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		0	3	0	0	0	6	11	20
NEW	0								0
Ban	3		3						3
NS	0		A 184 54	-nursely g					0
NC	0								0
Freq	0								0
C (1)	6						6		6
C (G)	11							11	11
Tot. 98	20	0	3	0	0	0	6	11	

Freshwater zones (stability = 100 %)

With a stability index of 100 %, the value of the ratio is of no significance, since there was no change from one bathing season to the next.

No improvement in status has been observed in the last two bathing seasons (1998 and 1999). Bathing is still prohibited in three areas.

LUXEMBOURG

BOULAIDE 1 A LAC DE LA HAUTE SURE-ROMWIS
BOURSCHEID
2 A MICHELAU/SURE
3 MOULIN BOURSCHEID/SURE
ERPELDANGE

4 ▲ ERPELDANGE/SURE GOESDORF

8 A BORN/SURE NEUNHAUSEN

▲ LAC DE LA HAUTE SURE-BURGFRIED

14 A ETANGS REMERSCHEN-ZONE 1
15 A ETANGS REMERSCHEN-ZONE 2
16 A ETANGS REMERSCHEN-ZONE 3
ROSPORT

HOSPORT

17 ▲ ROSPORT/SURE

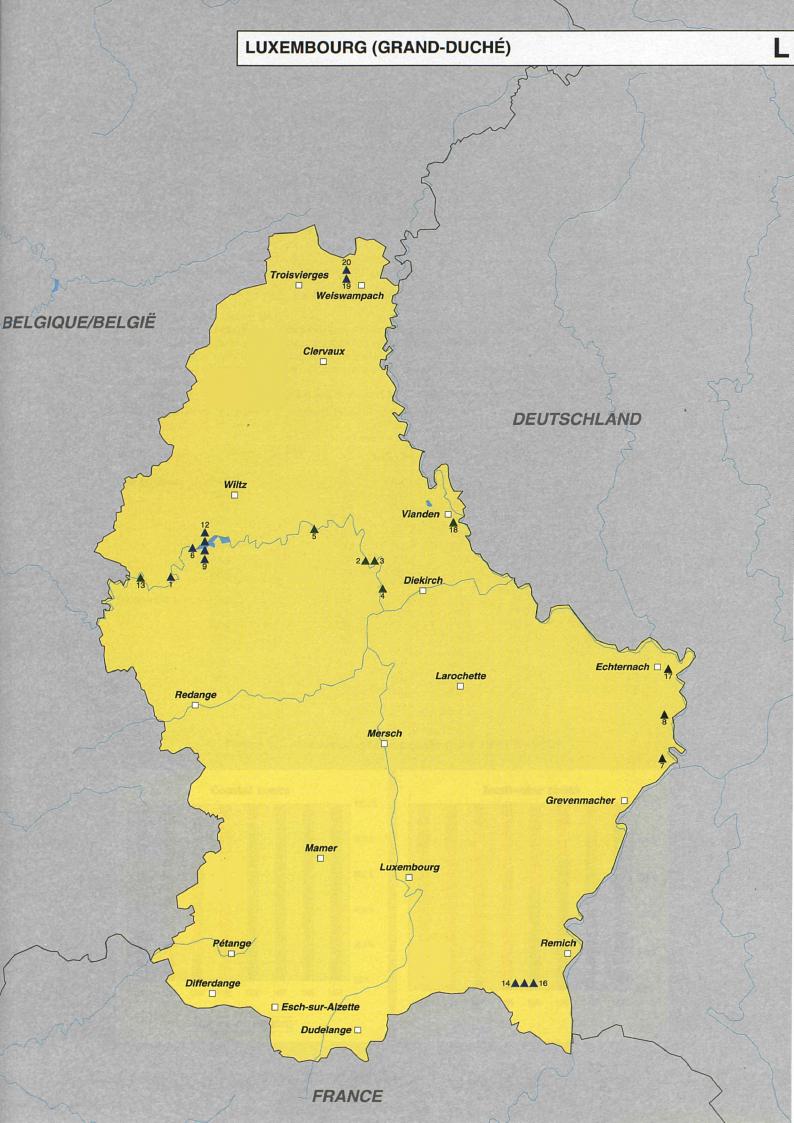
VIANDEN

18 ▲ VIANDEN/OUR

WEISWAMPACH

19 ▲ LAC DE WEISWAMPACH-ZONE 1

20 ▲ LAC DE WEISWAMPACH-ZONE 2



to the second of the second of

The Netherlands

1. 1999 bathing season

1 May to 30 September

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

Σ: total number of bathing areas;

C (I) : percentage of bathing areas sufficiently sampled which comply with mandatory values; C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

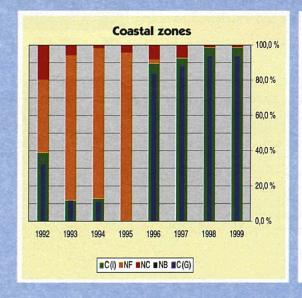
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data available);

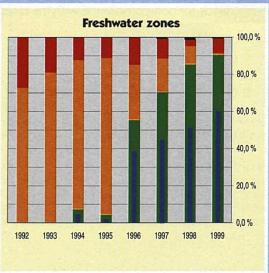
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

The Netherlands		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)	
Coastal zones	1992	46	39.1	32.6	41.3	19.6	0.0	
	1993	51	11.8	11.8	82.3	5.9	0.0	
	1994	54	13.0	11.1	85.2	1.9	0.0	
	1995	47	0.0	0.0	95.7	4.3	0.0	
	1996	87	89.7	83.9	3.4	6.9	0.0	
	1997	82	92.7	87.8	0.0	7.3	0.0	
	1998	78	98.7	93.6	0.0	1.3	0.0	
	1999	78	98.7	93.6	0.0	1.3	0.0	
Freshwater zone	s 1992	567	0.0	0.0	72.7	27.3	0.0	
	1993	515	0.0	0.0	81.0	19.0	0.0	
	1994	534	7.5	4.9	80.1	12.4	0.0	
	1995	543	4.6	2.2	84.2	11.2	0.0	
	1996	505	55.6	38.8	29.5	14.7	0.2	
	1997	505	70.5	45.0	17.8	10.9	0.8	
	1998	522	85.6	51.5	9.4	3.7	1.3	
	1999	528	90.7	60.4	0.7	8.0	0.6	

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 78; freshwater: 528)

No coastal bathing areas were added or withdrawn compared with the previous bathing season. Ten freshwater bathing areas were withdrawn and 16 new freshwater bathing areas were taken into account for the 1999 bathing season.

4. Comments

Although the situation observed was identical to the previous bathing season in the coastal zones, there was a tangible improvement in the freshwater zones. However, it is unacceptable that some (freshwater) bathing areas were still insufficiently sampled since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

No change was observed in the compliance rate for coastal waters compared with the previous bathing season. It is useful to consult the cross-reference table to see which changes occurred but are not apparent from reading the results.

In the freshwater bathing areas, there was a marked increase in the compliance rate with the guide and/or mandatory values. The percentage of bathing areas complying with the mandatory values rose from 86.6 to 90.7 % for the 1999 bathing season while the percentage complying with the stricter guide values rose from 51.5 % for the 1998 bathing season to 60.4 % (which still leaves room for improvement). Although there was a fairly marked reduction in the percentage of bathing areas insufficiently sampled (from 9.4 to 0.8 % in the 1999 bathing season), the percentage failing to comply with the mandatory values rose by 4.2 % compared with the previous season to 7.9 %. Finally, the percentage of areas where bathing was prohibited fell from 1.3 to 0.6 % for the 1999 bathing season.

General information

Public information

The methods of distributing information can vary between provinces. In general, information flyers containing the analysis results and a water quality assessment can be obtained from tourist information offices and provincial administration offices. For the most popular bathing areas, information on water quality is posted nearby.

Wastewater treatment

A considerable effort was made to reduce the proportion of discharge of local drainage in surface waters. At the present time, all of these discharges are collected in the sewer network.

6. Infringement procedure

The Commission decided to initiate proceedings before the Court of Justice against the Netherlands for non-compliance with the directive and insufficient sampling.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		0	0	0	1	0	4	73	78
NEW	0		458,006-0						C
Ban	0		Translation 1			1,550			0
NS	0			100					0
NC	1			S S		Control of the		1	1
Freq	0								0
C (I)	4						2	2	4
C (G)	73				1		2	70	73
Tot. 98	78	0	0	0	1	0	4	73	100

Coastal zones (ratio = 1.0; stability = 92.3 %)

The ratio is 1.0, which indicates that the average quality of the bathing areas taken into account was the same as in the previous bathing season (which is excellent considering the high compliance rates).

The stability index is over 90 %, which shows that the status of most bathing areas remained the same as in the 1998 bathing season and that there were very few changes.

This is an ideal scenario, combining high compliance rates with a balanced ratio and a stability index of over 90 %.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	165 (10) (5)	10	3	0	42	4	160	319	528
NEW	16	Region (15 de la 16 d		and the second			5	11	16
Ban	7	1	1				2	1	6
NS	0								0
NC	19			- ,6/00	2		12	5	19
Freq	49	3		A-6.0	22	4	8	12	46
C (I)	178	5	1		11		90	71	173
C (G)	269	1	1		5		43	219	268
Tot. 98	522	10	3	0	42	4	155	308	Callery.

Freshwater zones (ratio = 1.8; stability = 61.7 %)

The ratio is 1.8, which reflects a significant improvement in the average quality of the bathing areas during the 1999 bathing season.

Contrary to the situation for coastal zones, the stability index is fairly low, which indicates changes in the status of numerous bathing areas. This has no negative implications, in so far as the ratio is also high and therefore reflects changes for the better.

It must be stressed that despite a very marked improvement — down from 49 bathing areas insufficiently sampled during the 1998 bathing season to 4 insufficiently sampled areas — bathing areas were still listed as insufficiently sampled during the 1999 bathing season. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that bathing areas which were insufficiently sampled during the previous bathing season were still insufficiently sampled during the 1999 season.

NL 1

NEDERLAND

AALSMEER 72

A HELLEVOETSLUIS. SCHENKELDIJK BADSTRAND ELLEMEET BADSTRAND 141 ▲ HELLEVOETSLUIS, VUURTOREN BADSTRAND GREVELINGENDAM BADSTRAND ▲ HET OOSTERBAD (ZWEMBAD) ▲ WESTEINDERPLASSEN - VROUWENTROOST HONTENISSE 143 HOEK VAN OUWERKERK BADSTRAND NIEUW HAAMSTEDE VUURTORENPAD BADSTRAND PERKPOLDER BADSTRAND
 DE VOGEL, ZWEMBAD TE BERGER ALBLASSERDAM 74 75 144 NEUW HAMSTEDE VOORTORENFAD BADSTRAND RENESSE J. VAN RENESSEWEG BADSTRAND WESTERSCHOUWEN ROTONDE BADSTRAND BRUINISSE WERKHAVEN BADSTRAND LAAGBEKKEN KRAMMERSLUIS ▲ LAMMETJESWIEL 145 ALPHEN AAN DEN RIJN

4 ⊕ ▲ SPEELVIJVER EUROPAPARK
5 ▲ ZEEGERPLAS - ZUIDOEVER 76 ⊕ ▲ KENNEMERSTRAND BINNENMEER KAPELLE **IJMUIDEN** 146 147 148 ZEEGERPLAS WESTZIJDE WEMELDINGE BADSTRAND **OUWERKERKSEKREEK** KATWIJK NOORD
79 KATWIJK ZUID SCHELPHOEK, SEROORSKERKE WEST REPART BADSTRAND AMMERSTOL 150 ▲ AMMERSTOL DE HEM, BADSTRAND 151 **AMSTERDAM** SINT PHILIPSLAND 152 SINT PHILIPSLAND BADSTRAND STEENBERGEN ▲ GAASPERPLAS (WINDSURFOEVER)
▲ GAASPERPLAS, STRANDJE ZUID
▲ KINSELMEER(ZUIDOOST), VER.RECR.KINSELMEER

○ ▲ NIEUWE MEER, NOORDOEVER ● COLIJNSPLAAT BADSTRAND ▲ KORTGENE SCHAPENDIJK BADSTRAND 80 ASSUMBURG (EENDRACHT) 10 TER AAR LANDSMEER 11 154 A LANGERAARSE PLASSEN TERNEUZEN 82 ▲ KURE JANSTRAND 83 ⊝ ▲ SPEELSLOOT 82 12 13 LEIDEN BRAAKMANHAVEN BUITENZIJDE BADSTRAND 84 ⊕ ▲ WATERSPEELPLAATS CRONESTEIN 85 ⊕ ▲ WATERSPEELPLAATS STEVENSHOF 156 ▲ BRAAKMANKREEK (ZWEMBAD VAN CAMPING) 157 ⊕ ▲ BRAAKMANKREEK (ZWEMBAD) 158 ⊕ ▲ OTHEENSE KREEK NABIJ REUZENHOEKSEDIJK LEIDERDORP BARENDRECHT 86 A PLAS BUITENHOF LIESVELD 17 ⊝ ▲ NABIJ KOOIWALWEG ZUIDELIJK LOMBARDIJEN BERGEN OP ZOOM 159 ⊕ ▲ THOLEN 159 🗭 OTHEENSE KREEK, JACHTHAVEN 160 ● BERGSE DIEPSLUIS NOORD BADSTRAND
161 ⊕ OESTERDAM WESTZIJDE BADSTRAND
162 ● ST. MAARTENSDIJK MUIEPOLDER BADSTRAND
163 ● A OESTERDAM SPEELMANSPLATEN BADSTRAND ▲ BINNENSCHELDE ▲ GROOT AMMERS VEERSTOEP, BADSTRAND MADE EN DRIMMELEN 20 UITGEEST 164 ▲ DORREGEEST 165 ⊕ ▲ ZWAANSMEER VALKENBURG MIDDELBURG BEVERWIJK **▲ VALKENBURGSE PLAS** 166 VEEN 94 A ORANJEPLAAT BADSTRAND MIDDELHARNIS WIJK AAN ZEE BINNENMAAS ▲ DE HOOGE WAARD, CAMPING BADSTRAND VEERE ▲ BINNENBEDIJKTE MAAS, STEIGER ▲ MIDDELHARNIS, BADSTRAND BLEISWIJK
27 A BLEISWIJKSE ZOOM MONSTER DOMBURG BADSTRAND NEELTJE JANS BADSTRAND OOSTKAPPELLE DUINWEG BADSTRAND 168 TER HEIJDE 169 NEDERLEK BLOEMENDAAL 170 ● BLOEMENDAAL AAN ZEE ▲ 'T WED (HAARLEM) VROUWENPOLDER BREEZAND BADSTRAND WESTKAPELLE ERIKA BADSTRAND 171 ⊕ ● ⊕ ▲ RECREATIEPLAS KRIMPENERHOUT NIEUWKOOP 29 172 BORSSELE 173 ZOUTELANDE DISHOEK BADSTRAND ZOUTELANDE SMIDSHOEKJE BADSTRAND VEERSEGAT DAM MEERZIJDE BADSTRAND 30 BAARLAND BADSTRAND BORSSELE 175 A VELSEN 32 ⊙ ▲ STELLEPLAS BREDA KENNEMERSTRAND 176 102 A SCHOTSMAN CAMPENSWEG BADSTRAND NOORDWIJK 33 ⊕ ▲ ASTERDPLAS 177 NATURISTENSTRAND PEDDELPOEL 178 ⊝ ▲ 179 ⊝ ▲ VIANEN 34 A DF KUIL 103 • NOORDWIJK AAN ZEE
104 • NOORDWIJKERHOUT
NOORDWIJKERHOUT
105 • A OOSTDUINSE MEER GALDERSE MEREN SURFPLAS IN Z.W. HOEK VELSERBROEK WESTBROEKPLAS 35 ▲ GALDERSE MEREN, NOORDERPLAS (NOORDZIJDE) ▲ GALDERSE MEREN, ZWEMPLAS ▲ GALDERSE MEREN, ZWEMPLAS N.O. HOEK 180 ▲ NATUURBAD HELSDINGEN 181 ⊝ ▲ PLAS BIJ HAGESTEIN 37 NOOTDORP VLAARDINGEN
 ⊕ BRIELSE MEER N.ZIJDE T.O. EILAND MIDDENPLAAT

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119 A WEEZENLAND WESTVOORNE 193 → OOSTVOORNE
194 → ROCKANJE 'T GOLFJE
195 → A BRIELSE MEER, WESTZIJDE KRIMSLOOT
196 → A OOSTVOORNSE MEER, STORMVOGEL
197 → A OOSTVOORNSE MEER, STRANDWEG **OUD BEIJERLAND** 120 ⊕ ▲ OUD-BEIJERLAND, BADSTRAND GIESSENLANDEN **OUDER-AMSTEL** ▲ OUDEKERKERPLAS 53 ⊕ ▲ DEN DONK GOEDEREEDE REEUWIJK WILLEMSTAD BROUWERSDAM
 OUDDORP
 WEST NIEUWLAND 122 ▲ PLAS ELFHOEVEN - REEUWIJK 123 ⊝ ▲ REEUWIJKSE HOUT 8 ⊙ ▲ HELLEGATSPLEIN, BADSTRAND WISSENKERKE 55 REIMERSWAAL ▲ KAMPERLAND ST. FELIXWEG BADSTRAND 56 WOUBRUGGE (JACOBSWOUDE)
200 A WIJDE AA
ZAANSTAD ▲ STELLENDAM JACHTHAVEN, BADSTRAND BATH WESTERSCHELDE 125 KRABBENDIJKE ROELSHOEK BADSTRAND 126 YERSEKE POSTWEG BADSTRAND GOES ▲ DE PIET BADSTRAND 58 201 ▲ JAGERSVELD, 'DE KUIFEEND' 202 ⊕ ▲ JAGERSVELD, DE FUUT-WATERSNIP 203 ⊕ ▲ JAGERSVELD, DE SMIENT GOESE MEER RIDDERKERK 59 127 ○ ▲ NABIJ WEVERSHOEK 128 ○ ▲ VIJVER IN HET OOSTERPARK 129 ○ ▲ WAALBOEZEM, RIDDERKERK ▲ KANAAL GOES, GOESE SAS ▲ WOLPHAARTSDIJK SCHELPHOEK BADSTRAND GOUDA ZANDVOORT 62 ⊕ ▲ GOUDA, JULIANASLUIS, BADSTRA GRAAFSTROOM 63 ⊝ ▲ PUT VAN OTTOLAND 64 ⊝ ▲ RECR. PLAS BIJ SMOUTJESVLIET 204 • ZANDVOORT AAN ZEE ZEDERIK GOUDA, JULIANASLUIS, BADSTRAND RIJNSATERSWOUDE 130 A BRAASSEMERMEER, VANAF KANT BIJ NOORDERHEM
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131 A BRAASSEMERMEER; IN PADDEGAT 205 ⊕ A OUDE ZEDERIK ZEEVANG 206 ⊕ ▲ SCHARDAM 207 ⊕ ▲ WARDER RIJSWIJK HAARLEM 132 ⊕ ▲ WILHELMINAPARK ZWEMVIJVER ROTTERDAM ▲ VEERPOLDER: VEERPLAS HAARLEMMERLIEDE-SPAARNWOUDE

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MAASVLAKTE
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71 ⊙ ▲ HELLEVOETSLUIS, HELLECAT BADSTRAND 140

▲ LAARSE HEIDE



NL₁ IJmond, agglomeratie Haarlem, Zaanstreek, Groot-Amsterdam, agglomeratie Leiden en Bollenstreek, agglomeratie 's-Gravenhage, Delft en Westland, Oost-Zuid-Holland, Groot-Rijnmond, Zuidoost-Zuid-Holland, Zeeuwsch-Vlaanderen, overig Zeeland, West-Noord-Brabant



▲ DE RIETSCHOOF, CAMPING BADSTRAND ABCOUDE 2 A ABCOUDERMEER
ALPHEN-CHAAM 3 ⊕ ▲ 'T ZAND ANGERLO ▲ IJSSEL RHEDERLAAG 'GIESSEKOP' ARCEN ▲ KLEIN VINK, RECREATIEPARK ARCEN ▲ KLEIN VINK, ROEIVIJVER 5 ARCEN/VELDEN ▲ DE MAASVALLEI ▲ DE SCHANS ASTEN 9 A OOSTAPPEN
BAKEL EN MILHEEZE ▲ DE HEIBLOEM BELFELD **▲** MAALBEEK BEMMEL 12 A BEMMELSE WAARD BERGEN ▲ SEURENHEIDE BERKEL-ENSCHOT 14 ▲ HET BAKSCHE VEN 15 ⊝ ▲ RAUWBRAKEN BEUNINGEN 16 A DE GROENE HEUVELS, BERGHAREN, RIJKSWEGZIJDE BLARICUM 17 A STRAND STICHTSE BRUG BOEKEL **▲ BOEKELS VEN** BOXMEER 19 A 'T SCHAARTVEN BOXTEL ▲ DE LANGSPIER, BOXTEL BREUKELEN 21 A ZWEMBAD DE MEENT BRUNSSUM ▲ RODE BEEK, BOVENLOOP BRUNSSUM BAC. BUREN 23 ⊕ ▲ DE BELDERT, ZOELEN 24 ⊕ ▲ DE MEENT, BEUSICHEM, STRAND 25 ⊕ ▲ DE PLAS VAN BUREN, BUREN ♠ IN DEN BOOMGAARD, KERK-AVEZAATH CUIJK 27 ▲ KRAAIJENBERGSE PLAS (FASE 2) 28 ⊝ ▲ KRAAIJENBERGSE PLAS (FASE 3) CULEMBORG 29

RECREATIEPARK BEAUGARDE DIDAM 30 ⊝ ▲ NEVELHORST DIDAM DOESBURG 31 ⊕ ▲ IJSSELSTRAND DUIVEN ▲ DE WAAY DUNGEN, DEN 33 A MEERSE PLAS EERSEL ▲ E-3 STRAND (LOB 1) ▲ E-3 STRAND (LOB 2) ▲ TER SPEGELT ONOVERDEKTE PLAS 37 ⊕ ▲ TER SPEGELT OVERDEKTE PLAS EIJSDEN **▲ WATERRECREATIECENTRUM EIJSDEN EINDHOVEN** ▲ DE IJZEREN MAN (EINDHOVEN) ELST ▲ DE RIJKERSWOERDSE PLASSEN, STRAND GELDERMALSEN 41 ⊕ ▲ DE ROTONDE, ENSPIJK 42 ⊕ ▲ HET BETUWESTRAND, BEESD GEMERT ▲ NAT. RECREATIEPARK ELSENDORP ▲ ROOYSE PLAS GENDT ▲ DE WALBURGEN GENNEP 46 ▲ BLOKSBERG
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HEEZERENBOSCH, HEEZE

▲ BERKENDONK

HELMOND

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61 ▲ BEEKSE BERGEN ZONE 2
HOOGE EN LAGE MIERDE
62 ▲ SPARTELVIJVER
63 ▲ ZWARTVEN HORST 64 ⊝ ▲ KASTEELSE BOSSEN 65 ▲ MEERDAL HOUTEN 66 ▲ NEDERRIJN/LEK TULL EN 'T WAAL 67 ⊝ ▲ NEDERRIJN/LEK TULL EN 'T WAAL BOVEN HUISSEN A PANNERDENS KANAAL ZWANEWATER HUIZEN HUIZERMAAT 69 KESTEREN ▲ LEDE EN OUDEWAARD LANDERD ▲ DE MAASHORST, GROTE PLAS ▲ DE MAASHORST, KLEINE PLAS 71 72 ▲ HEISCHE TIP LEUKEN 74 ⊕ ▲ LEUKERMEER LINGEWAAL ▲ DE RIETPUT, HEUKELUM 75 ▲ DE WIEL, ASPEREN ▲ HET LINGEBOS, VUREN, SPARTELVIJVER ▲ LINGE. ASPEREN 78 LITH HEMELRIJKSE WAARD, DAGSTRAND ▲ LITHSE HAM, DAGSTRAND ▲ LITHSE HAM, GEMEENTESTRAND 80 LOENEN AS BIJ NIEUWERSLUIS (ZWEMLUST) LOON OP ZAND **▲ BLAUWE MEER** LOOSDRECHT MECHI

▲ LOOSDRECHTSE PL. (EILAND MARKUS POS)

▲ LOOSDRECHTSE PL. (EILAND MEENT)

▲ LOOSDRECHTSE PL. (TIENHOVEN)

▲ VUNTUS (LOOSDRECHTSE PLASSEN) 84 85 86 87 MAARN ▲ HENSCHOTERMEER (NOORDZIJDE) ▲ HENSCHOTERMEER (ZUIDZIJDE) MAARSSEN ▲ GROTE MAARSSEVEENSE PLAS (ZWEMBAD) MAARTENSDIJK ▲ FORTGRACHT BIJ GROENEKAN (FT RUIGENHOEK) MAASBRACHT 92 ⊕ ▲ DE KIS (PLAS BRANDT) 93 ⊕ ▲ DE KIS (PLAS EILAND) 94 ▲ DILKENSPLAS DAGSTRAND 95 ▲ MOLENGREEND MAASBREE 96 A BR BREEBRONNE ▲ KERKDRIEL, CAMPING DEN BOL DAGSTRAND ▲ KERKDRIEL, ZANDMEREN, NOORD ▲ KERKDRIEL, ZANDMEREN, WEST 97 98 MAURIK ▲ NEDERRIJN/LEK EILAND VAN MAURIK 100 MEIJEL 101 ▲ STARTEBOS MIERLO HET WOLFSVEN MILL EN SINT HUBERT MOOK EN MIDDELAAR 104 ⊕ ▲ MOOKERPLAS (GROTE SIEP) MUIDEN MUIDERBERG NAARDEN ▲ NAARDERBOS, SPARTELVIJVER ▲ OUD VALKEVEEN 106 107 NEDERHEMERT **NEERIJNEN** 113 ▲ CROBSE GAT 114 ⊕ ▲ DE PLAS VAN TUIL, TUIL

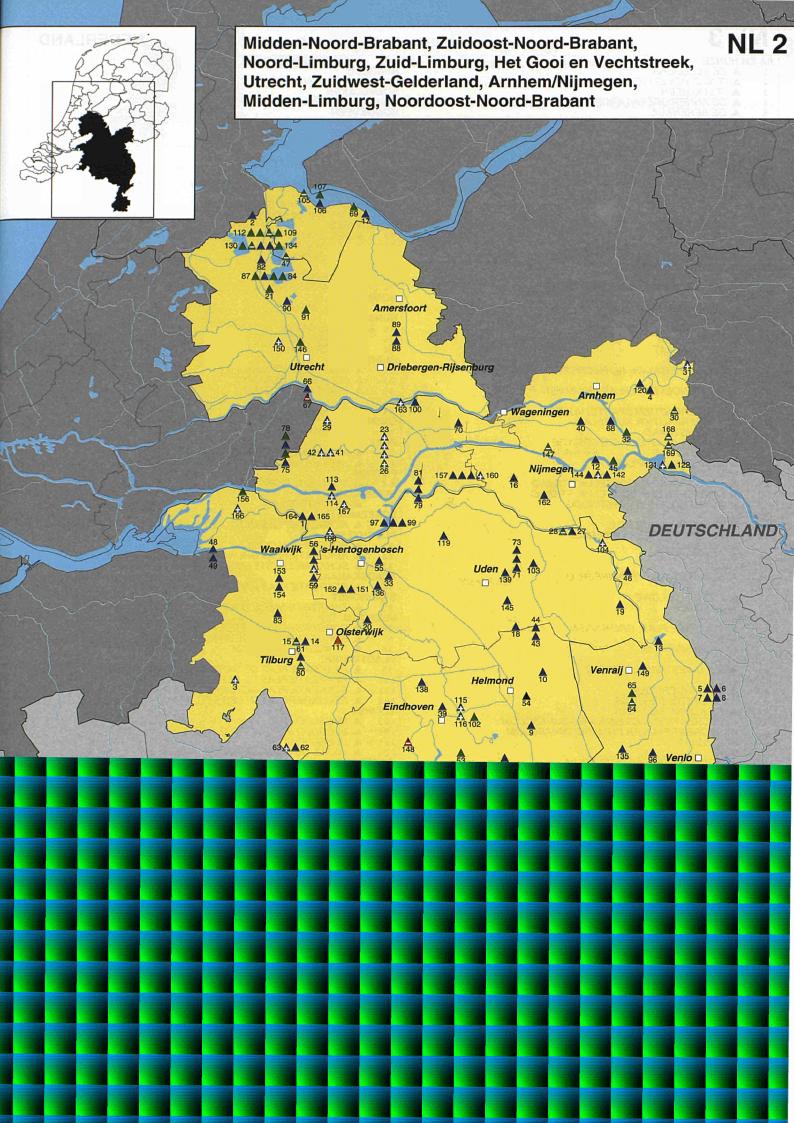
115 ⊕ ▲ ENODE 116 ⊕ ▲ ENODE, KLEINE PLAS **OISTERWIJK** STAALBERGVEN OOL/HERTEN **▲** OOLERPLAS 118 oss 119 A RHEDEN GEFFENSE BOSJES ▲ IJSSEL RHEDERLAAG 'BAHRSESTRAND' 120 RIJNWAARDEN 121 ⊕ ▲ BIJLAND, JACHTHAVEN ▲ BOVENRIJN DE BIJLAND **ROERDALEN** 123 ⊕ ▲ ELFENMEER TE HERKENBOSCH ROERMOND 124 ⊕ ▲ DOUVESBEEMD 125 ▲ HATENBOER MARINA OOLDERHUUSKE 126 ▲ HORNERGRIEND, ROERMOND 127 ⊕ ▲ ISABELLAGRIEND 128 ⊝ ▲ NIEUWE NACK ROGGEL EN NEER 129 ⊕ ▲ DE LEISTERT TE ROGGEL RONDE VENEN, DE 130 ▲ VINKEVEENSE PLASSEN (EILAND 3) 131 ⊝ ▲ VINKEVEENSE PLASSEN (EILAND 4) 132 ▲ VINKEVEENSE PLASSEN (EILAND 5) 133 ▲ VINKEVEENSE PLASSEN (EILAND 8) VINKEVEENSE PLASSEN (EILAND 9) SEVENUM **▲ SCHATBERG** 135 SINT MICHIELSGESTEL ZUIDERPLAS (BAD) SOMEREN ▲ KFFI VFN SON EN BREUGEL 138 A AQUABEST
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WAALWIJK
153 ▲ 'T HOEFSVEN
154 ▲ RECREATIEPARK DE SPRANCKELAAR WEERT WEERTERBERGEN WERKENDAM 156 ▲ DE MOSTERDPOT, CAMPING BADSTRAND WEST MAAS EN WAAL

157 ▲ DE GREFFELING, NOORDZIJDE

158 ▲ GOUDEN HAM, DE MAASTERP

159 ▲ GOUDEN HAM, HAMSESTRAAT

160 ⊕ ▲ GOUDEN HAM, HANZELAND WESTERHOVEN 161 A KEMPERVENNEN (STRANDBAD)
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▲ DE VLEDDERS ▲ 'T NIJE HEMELRIEK ▲ `T LOOMEER 3 ▲ DE ANNER GROENLANDEN ▲ DE BERENKUIL ▲ DE KLEINE MOERE ▲ NOOITGEDACHT 8 A SLINGEPLAS BREEDEVOORT
APELDOORN 9 A UDDELERMEER ASSEN 10 ▲ BAGGELHUIZEN 11 ⊕ ▲ WITTERZOMER BARNEVELD BELLINGWEDDE 13 ▲ KEMPERPARK BELLINGWOLDE 14 ⊝ ▲ REKREATIEPLAS "DE WEDDERBERGEN" WEDDE 15 ▲ VEENDIEPPLASSEN BERGH ▲ STROOMBROEK, BRAAMT BORCULO

17 A HAMBROEK BORCULO
BORGER/ODOORN ▲ HUNZEDAL ▲ DE FRUITHOF ▲ HET VERLAAT 19 BREDERWIEDE 21

BEULAKKERWIJDE BIJ RECREATIECENTRUM BRUMMEN ▲ CORTENOEVERSEPLAS, BRUMMEN COEVORDEN 23 ▲ 'T KUIERPADTIEN SPARTELVIJVER 24 ⊝ ▲ 'T KUIERPADTIEN SURFPLAS 25 ⊕ ▲ ERMERSTRAND 26 + A HUTTENHEUGTE DAGRECREATIE 27 ▲ KIBBELKOELE 28 ⊕ ▲ KLINKENVLIERSPLAS DE MARNE ▲ LAUWERSMEER, OOSTELIJK STRAND ▲ LAUWERSMEER, WESTELIJK STRAND ▲ SUYDEROOGH, LAUWERSOOG 29 DELFZIJL ■ ZEESTRAND, DELFZIJL ■ ZEESTRAND, TERMUNTERZIJL ▲ DE EEMS ▲ PROOSTMEER 32 DINXPERLO ▲ BLAUWE MEER TE DINXPERLO EDF ▲ MIDDEN VELUWE 37 38 ▲ ZANDING EELDE 39 A HOORNSE PLAS, GRONINGEN EIBERGEN **▲ VRUGGINKPLAS** 40 **ELBURG** 41 ⊕ ▲ VELUWESTRAND, ELBURG EMMEN 42 ⊕ ▲ DE BARGERHOEK 43 ▲ DE GROTE RIETPLAS 44 ⊝ ▲ DE KLEINE RIETPLAS 45 A RECREATIEVIJVER BARGERCOMPASCUUM
46 RECREATIEVIJVER EMMERCOMPASCUUM ZANDPOL **ENSCHEDE** HET BUTBEEK INFOCENTED IM

▲ HEERDERSTRAND II HENGELO 64 A TUINDORPBAD HOEVELAKEN **▲ OVERBOSCH** HOOGEVEEN 66 ⊝ ▲ SCHOONHOVEN HOOGEZAND 67 ⊝ ▲ ZUIDLAARDERMEER LEEK 68 ⊝ ▲ LETTELBERTERPLAS MENTERWOLDE A REKREATIEPLAS RUITERHORN MEPPEL 70 A DE TUSSENBOERSLANDEN 71 A GAT VAN BLIJDENSTEIN MIDDENVELD ▲ RECREATIEPLAS DE HORREBIETER ▲ TER HORSTERZAND ▲ IEBERENPLAS 73 **NIJKERK** 75 ▲ ARLERSTRAND 76 ▲ STRAND NIEUW HULCKESTEYN NOORDENVELD 77 A RONOSTRAND NUNSPEET 78 ⊕ ▲ DE OUDE POL 79 ▲ HOOPHUIZEN 80 ▲ ZANDENPLAS OLDENZAAL 81 ▲ HULSBEEK; STRAND 1 82 ▲ HULSBEEK; STRAND 2 83 ⊕ ▲ HULSBEEK; STRAND 3 OLST 84 A KOLKBAD DEN NUL ▲ HEIDEPARK 85 **PEKELA** 86 ▲ HEERESMEER NIEUWE PEKELA 87 ⊕ ▲ RECREATIEPLAS ZUID OUDE PEKELA PUTTEN ▲ STRAND NULDE REIDERLAND 89 A BEERSTERPLAS SCHEEMDA 90 © A REKREATIEPLAS MIDWOLDERBOS SLOCHTEREN 91 ▲ BORGMEREN OOST 92 ▲ REKREATIEPLAS GRUNOSTRAND, HARKSTEDE 93 ⊕ ▲ SCHILDMEER (STEENDAM) STADSKANAAL 94 A REKREATIEPLAS PAGEDAL STAPHORST A ZWARTE DENNEN, IJHORST **VEENDAM** 96 ▲ BORGERSWOLD PEERDEWASKE 97 ⊝ ▲ BORGERSWOLD, KOETSHUIS VEENDAM 98 ▲ LANGEBOS, VEENDAM **VLAGTWEDDE** 99 ▲ REKREATIEPLAS DE BARKHOORN, SELLINGEN
100 ▲ REKREATIEPLAS DE BEETSE, SELLINGEN
101 ⊝ ▲ REKREATIEPLAS MOEKESGAT, TER APEL
102 ▲ SELLINGERBEETSE SBB SELLINGEN 102 A VOORST 103 ▲ BUSSLOO I 104 ▲ BUSSLOO II 105 ⊕ ▲ BUSSLOO III ▲ IJSSEL DE SCHERPENHOF



ALMERE

▲ 'T HOOFDSTRAND ▲ FANTASIESTRAND **⊕** ▲ LUMIERESTRAND ▲ MUIDERZAND

▲ STEDENWIJKSTRAND

▲ SURFSTRAND ALMERE HAVEN

▲ VON DRAISPAD

▲ ZILVERSTRAND 9 •• A ZWEMSTRAND ALMERE HAVEN
AMELAND ● AMELAND NES ● AMELAND WEST ▲ DE VLEYEN, AMELAND 10 ANDIJK ⊕ ▲ ANDIJK BERGEN BERGEN AAN ZEE BOARNSTERHIM ▲ SNEEKERMEER, TERHORNE BOVENKARSPEL 16 ⊝ ▲ STREEKBOS DANTUMADEEL ⊕ ▲ EELTJESMEER, STRANDJE **DEN HELDER** HUISDUINEN
 JULIANADORP DIRKSHORN 20 © A VEERSLOOT

DONGERADEEL
21
A LAUWERSMEER, OOSTMAHORN DRONTEN

 DRONTEN

 22
 ▲ ABBERTSTRAND

 23
 ▲ ELLERSTRAND

 24
 ♠ HARDERSTRAND

 25
 ▲ SPIJKSTRAND

 26
 ♠ A SPIJKVIJVER

 27
 ▲ STRAND KAMPERHOEK

 EGMOND EGMOND AAN ZEE ENKHUIZEN ENKHUIZEN

29 ○ ▲ BROEKERHAVEN

30 ① ▲ ENKHUIZERSTRAND

GAASTERLAN-SLEAT

31 ① ▲ DE HOGE GRAZEN, OUDEMIRDUM

32 ② ▲ FLUESSEN, ELAHUIZEN

33 ① ▲ MISNER KLIF, RIJS

34 ▲ SLOTERMEER, BALK HARLINGEN WADDENZEE HARLINGEN HEERENVEEN
36 ⊕ ▲ DE HEIDE, HEERENVEEN 37 ▲ DE LEYEN HOORN HENSBROEK ▲ DE SCHELPENHOEK LANGEDIJK 39 ▲ NOORDOOSTSTRAND GEEST'PLAS 40 ⊝ ▲ ZUIDOOSTSTRAND GEEST'PLAS 41 ⊝ ▲ ZUIDWEST STRAND GEEST'PLAS LELYSTAD 42 ○ ▲ 'T BOVENWATER LELYSTAD
43 ⊕ ▲ DERDE VIJVER LARSERBOS
44 ⊕ ▲ EERSTE VIJVER LARSERBOS
45 ▲ HOUTRIBHOEK, LELYSTAD
46 ⊕ ▲ TWEEDE VIJVER LARSERBOS LEMSTERLAND 47 ⊕ ▲ HET STRAND, LEMMER MEDEMBLIK 48 • A RECREATIETERREIN MEDEMBLIK NIEDORP

T PETJE

▲ BADPAVILJOEN HINDELOOPEN

NIJEFURD

51 ▲ FLUESSEN, GALAMADAMMEN 52 ★ ▲ IT SOAL, WORKUM 53 ★ ▲ MOLKWERUM 54 ◆ ▲ SUDERSTRAND, STAVOREN 54 ⊕ ▲ SUDERSTRAND, STAVOREN

NOORDOOSTPOLDER

55 ▲ STRAND SCHOKKERHAVEN, RECREATIEHOEK

56 ▲ STRAND WESTHAVEN, URK

57 ▲ STRAND ZWOLSE HOEK

58 ⊝ ▲ SURFSTRAND SCHOKKERHAVEN

OOSTSTELLINGWERF

59 ▲ AEKINGERMEER, APPELSCHA

60 ▲ POEL LAAGDUURSWOUDE, MAKKINGA

OUIDE NIEDORP **OUDE NIEDORP** ▲ T SKARPET SCHIERMONNIKOOG

62 SCHIERMONNIKOOG DE GRILK
63 BERKENPLAS, SCHIERMONNIKOOG SCHOORL
64 • CAMPERDUIN
SKASTERLAN SNEEK 72 A SNEEKERMEER, DE POTTEN TERSCHELLING ● TERSCHELLING HOORN ● TERSCHELLING HOTEL PAAL 8 ▲ PLAS HEE, WEST-TERSCHELLING 73 TEXEL DE KOOG
DE KRIM 76 81 ▲ IT WIID, EERNEWOUDE 82 ⊕ ▲ KLEINE WIELEN, LEEUWARDEN URSEM URSEMMERPLAS 83 ⊝ ▲ UR VENHUIZEN 84 A SCHELLINKHOUT VLIELAND VLIELAND STRAND HOTEL DAM 50 WERVERSHOOF

86 ▲ DROGE WIJMERS

87 ⊕ ▲ WERVERSHOOF

WESTERLAND WESTERLAND

88 ▲ LUTJESTRAND

WESTSTELLINGWERF

89 ▲ HET WIJD, LANGELILLE

90 ▲ SPOKEPLAS, NOORDWOLDE WIERINGEN 91 ⊕ ▲ ZUIDERHAVEN, DEN OEVER
WUNSERADIEL
92 ⊕ ▲ DE HOLLE POARTE, MAKKUM
WYMBRITSERADIEL 93 ▲ HEEGERMEER, HEEG 94 ⊕ ▲ HEEGERMEER, INDIJK 95 ▲ OUDEGAASTER BREKKEN, OUDEGA ZEEWOLDE 96 ⊝ ▲ ERKEMEDERSTRAND 97 ⊕ ▲ LAAKSE STRAND 98 ▲ WOLDSTRAND ZIJPE **CALLANTSOOG** GROOTE KEETEN PETTEN 100 101 102 SINT MAARTENSZEE



Noord-Friesland, Zuidwest-Friesland, Flevoland, Kop van Noord-Holland, Alkmaar en omgeving, Zuidoost-Friesland

NOORDZEE



Austria

1. 1999 bathing season

In general from 15 June to 31 August

2. Main results

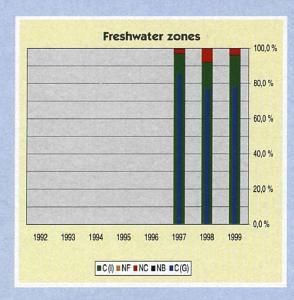
Table 1 — Evolution of the results from 1997 to 1999

- Σ : total number of bathing areas;
- C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;
- C (G): percentage of bathing areas sufficiently sampled which comply with guide values;
- NF : percentage of bathing areas insufficiently sampled;
- NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data available):
- NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

Austria	Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Freshwater zones 1997	268	96.6	85.1	0.0	3.0	0.4
1998	270	91.9	76.7	0.0	8.1	0.0
1999	270	95.9	77.8	0.0	4.1	0.0

Figure 1 — Evolution of the results from 1997 to 1999



3. Number of bathing areas (freshwater: 270)

Austria has no coastal zones. One bathing area was withdrawn and one new area was added compared with the previous bathing season.

4. Comments

After the marked deterioration during the 1998 bathing season, the results showed a significant improvement during the 1999 bathing season. The compliance rates with the guide and/or mandatory values rose. Compliance with the mandatory values was up from 91.9 to 96.3 % in the 1999 bathing season, while the percentage of bathing areas complying with the stricter guide values rose from 76.7 % for the 1998 bathing season to 77.8 %. At the same time, the percentage of bathing areas failing to comply with the mandatory values (3.7 %) was 4.4 % down on the previous bathing season. No bathing areas were insufficiently sampled and there were no areas where bathing was prohibited.

5. General information

Public information

The results relating to the quality of bathing water are broadcasted via local media (mainly in the local press, as well as sometimes on local radio stations).

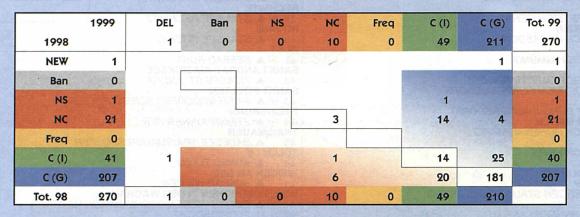
Wastewater treatment

Austria did not transmit detailed data on the treatment projects of wastewater regarding bathing areas.

6. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Freshwater zones (TC, FC, MO, SA, PHE)



Freshwater zones (ratio = 1.6; stability = 73.6 %)

The ratio is 1.6, which indicates a slight improvement in the average status of the bathing areas taken into account during the 1999 bathing season compared with the previous season. This improvement was mainly due to the fact that more than 85 % of the bathing areas which failed to comply with the mandatory values during the 1998 bathing season were brought into line with the mandatory values during the 1999 season (four of them were also brought into line with the guide values).

The stability index is 73.6 %, which is an acceptable average for freshwater zones, where it seems to be harder to maintain quality from one bathing season to another than in coastal zones.

1 A BADETEICH ALLENTSTEIG ALLENTSTEIG 2 ⊕ ▲ BADESEE ANDAU APETLON BLINDENMARKT

4 AUSEE 1/BLINDENMARKT

5 AUSEE 2/BLINDENMARKT 6 ▲ AUSEE 3/BLINDENMARKT BREITENBRUNN 7 A SEEBAD BREITENBRUNN FORCHTENSTEIN 8 ⊕ ▲ STAUSEE FORCHTENSTEIN GERAS 9 A EDLERSEETEICH/GERAS GERASDORF BEI WIEN 10 A BADETEICH GERASDORF GMUEND 11 ⊕ ▲ ASANGTEICH/GMÜND GUNTRAMSDORF 12 ▲ OZEANTEICH/GUNTRAMSDORF 13 ⊝ ▲ WINDRADLTEICH/GUNTRAMSDORF HANNERSDORF 14 A STAUSEE BURG (HANNERSDORF)
HOHENAU AN DER MARCH 15 A BADETEICH HOHENAU/MARCH HORN **▲** BADETEICH HORN ILLMITZ LANGAU

19 A BERGWERKSEEN/LANGAU

LANGENLOIS

20 + A KAMP, LANGENLOISER FLUßBAD

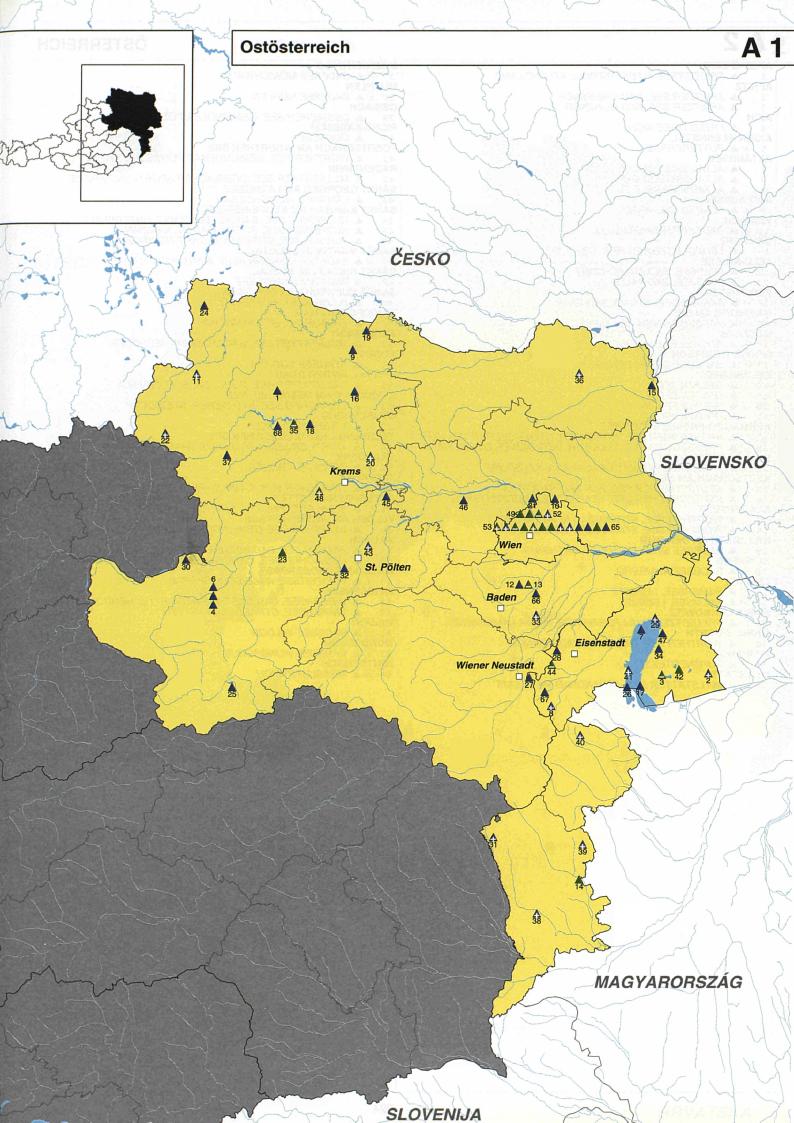
LANGENZERSDORF 21 ▲ BADETEICH SEESCHLACHT/LANGENZERSDORF
LANGSCHLAG
22 ④ ▲ FRAUENWIESERTEICH/LANGSCHLAG
LEIBEN 23 A DONAU ALTARM WEITENEGG LITSCHAU LITSCHAU
24 A HERRENTEICH/LITSCHAU
LUNZ AM SEE
25 A LUNZER SEE, SEEBAD
MOERBISCH AM SEE 26 ▲ SEEBAD MÖRBISCH NEUDOERFL

30 ▲ NEUSTADTL HÖBGANG NEUSTIFT AN DER LAFNITZ 31 ⊕ ▲ STAUSEE NEUSTIFT/LAFNITZ

OBER-GRAFENDORF 32 A EBERSDORFER SEE/OBERGRAFENDORF OBERWALTERSDORF 33 ⊕ ▲ EHZ OBERWALTERSDORF PODERSDORF AM SEE 34 ▲ SEEBAD PODERSDORF POELLA 35 ⊝ ▲ DOBRASTAUSEE POYSDORF 36 ⊕ A BADETEICH POYSDORF
RAPPOTTENSTEIN
37 A WALDBAD RAPPOTTENSTEIN
RAUCHWART 38 ⊕ ▲ STAUSEE RAUCHWART
RECHNITZ
39 ⊕ ▲ STAUSEE RECHNITZ
RITZING 40 ⊕ ▲ STAUSEE RITZING RUST 41 ★ SEEBAD RUST
SANKT ANDRAE AM ZICKSEE
42 ▲ ZICKSEE ST. ANDRA
SANKT POELTEN 43

ARATZERSDORFER SEE/ST. PÖLTEN STEINBRUNN 44 ⊝ ▲ STEINBRUNNER SEE TRAISMAUER 45 A BADESEE TRAISMAUER SÜDUFER TULLN WIELD 21:, FLUNIDSONF 49 ▲ ALTE DONAU: ANGELIBAD 50 ▲ NEUE DONAU: HÖHE DES SEGELHAFEN (RE) 51 ⊝ ▲ NEUE DONAU: HÖHE GRUNDWASSERWERK (RE) 52 ④ ▲ NEUE DONAU: OBERHALB NORDBAHNBRÜCKE (LI) 66 ▲ KAHRTEICH/WR. NEUDORF WIESEN 67 A RÖMERSEE WIESEN

ZWETTL-NIEDEROESTERREICH
68 A OTTENSTEIN STAUSEE



AFLENZ LAND ▲ FREIZEITSEE AU BEI TURNAU, AFLENZ LAND AFRITZ ▲ AFRITZER SEE, BAD FRIESSNER ▲ AFRITZER SEE, BAD GLINZNER 2 4 A FREIZEITSEE AICH AIGEN IM ENNSTAL **⊕** ▲ PUTTERERSEE ALTAUSSEE ▲ ALTAUSSEERSEE (1) ▲ ALTAUSSEERSEE (2) ▲ ALTAUSSEERSEE (3) **BAD AUSSEE** 9 ⊕ ▲ SOMMERSBERGSEE EISBACH 10 ⊕ ▲ BADESEE WEIHERMÜHLE EISENERZ FINKENSTEIN 14 A FAAKER SEE, STRANDBAD FAAK GAISHORN AM SEE 15 A BADESEE GAISHORN AM SEE
GOSDORF 16 ⊕ ▲ ROCKSEE, GOSDORF GROSSSTEINBACH 17 ⊕ ▲ BADESEE GROBSTEINBACH
GRUNDLSEE ▲ GRUNDLSEE (1)
▲ GRUNDLSEE (2)
▲ GRUNDLSEE (3)
▲ GRUNDLSEE (4) 19 20 HERMAGOR-PRESSEGGER SEE

22 ▲ PRESSEGGER SEE, NORDUFER, GEGENÜBER GEMEINDEB

23 ▲ PRESSEGGER SEE, SÜDUFER, GEGENÜBER OBITSCHBAD KALSDORF BEI GRAZ

24
A FREIZEITZENTRUM COPACABANA, KALSDORF
KEUTSCHACH AM SEE ▲ KEUTSCHACHER SEE, FKK-BAD SABOTNIK
▲ KEUTSCHACHER SEE, GEMEINDEBAD KEUTSCHACH KLAGENFURT 27 A WÖRTHER SEE, STRANDBAD KLAGENFURT 28 A WÖRTHER SEE, STRANDBAD MAIERNIGG KRAUBATH AN DER MUR 29 A BADESEE STEINER IN KRAUBATH/MUR KUMBERG 30 ⊕ ▲ BADESEE KUMBERG LEIBNITZ 31 ⊕ ▲ SILBERSEE, LEIBNITZ 32 ⊕ ▲ SULMSEE, LEIBNITZ MARIA LANKOWITZ 33 ⊝ ▲ FREIZEITZENTRUM PIBERSTEIN, MARIA LANKOWITZ MARIA WOERTH 34 A WÖRTHER SEE, GEMEINDEBAD REIFNITZ MARIAHOF 35 ⊕ ▲ FURTNERTEICH MILLSTATT

▲ MILLSTÄTTER SEE, STRANDBAD MILLSTATT

MOENICHWALD 37 ⊕ ▲ BADESEE MÖNICHWALD MUEHLEN 38 ⊕ ▲ BADESEE MÜHLEN OSSIACH OSSIACH
39 A OSSIACHER SEE, GEMEINDEBAD OSSIACH
PICHL-KAINISCH
40 A ÖDENSEE
POERTSCHACH AM WOERTHER SEE ▲ WÖRTHER SEE, GEMEINDEBAD PÖRTSCHACH RADENTHEIN 42 ▲ MILLSTÄTTER SEE, DÖBRIACHER SPORT- UND FREIZE SANKT GEORGEN AM LAENGSEE 43 ▲ LÄNGSEE, GEMEINDEBAD SANKT RUPRECHT AN DER RAAB 49 A FLUBBAD ST. RUPRECHT SANKT SEBASTIAN 50 A ERLAUFSEE, ST. SEBASTIAN SEEBODEN 51 MILLSTÄTTER SEE, BAD MEIXNER, SEEBODEN SOBOTH SOBOTH

52 A STAUSEE SOBOTH

SPITTAL AN DER DRAU

53 A MILLSTÄTTER SEE, SÜDUFER, SCHLOBVILLA

STEINDORF AM OSSIACHER SEE

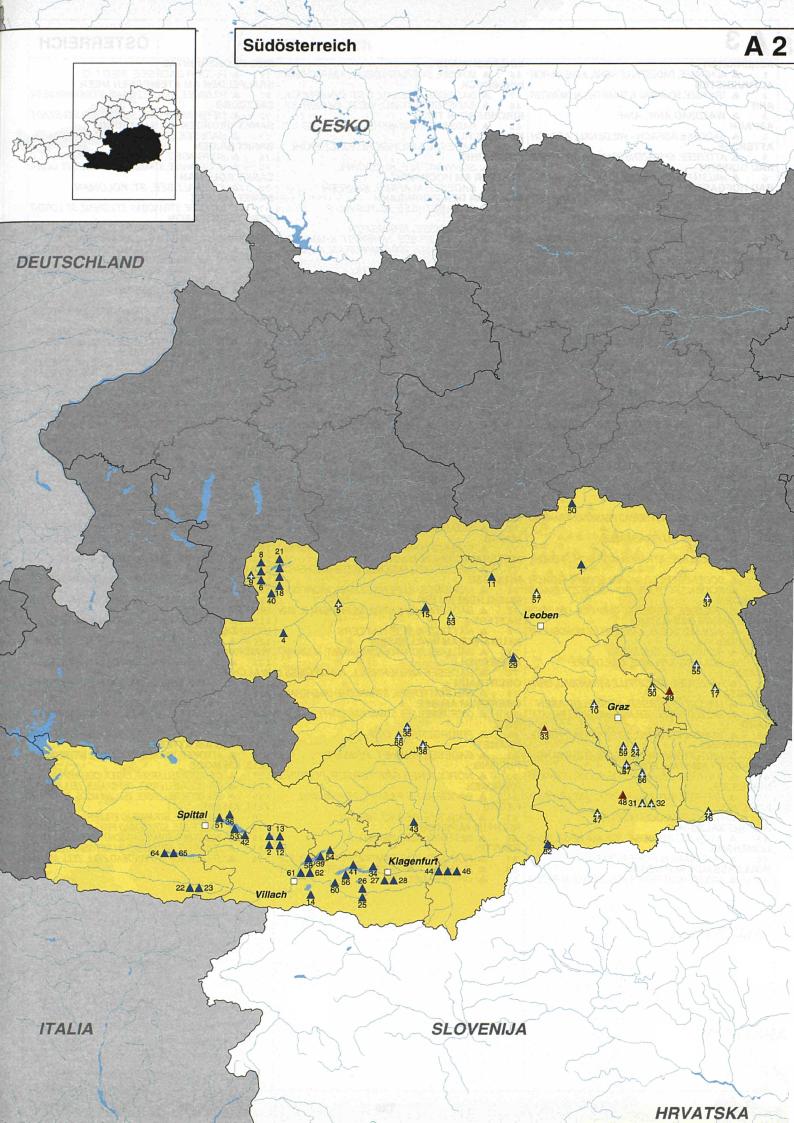
54 A OSSIACHER SEE, BAD WEBER, STEINDORF

STUBENBERG 55 ⊕ A STUBENBERGSEE
TECHELSBERG AM WOERTHER SEE
56 A WÖRTHER SEE, STRANDBAD SAAG TRAGOESS 57 ⊕ ▲ ZENZSEE, TRAGÖß TREFFEN ▲ OSSIACHER SEE, CAMPINGPLATZ ANNENHEIM UNTERPREMSTAETTEN

59 ⊕ ▲ SCHWARZL FREIZEITZENTRUM UNTERPREMSTÄTTEN

VELDEN AM WOERTHER SEE

60 ▲ WÖRTHER SEE, GEMEINDEBAD VELDEN (BULFON) VILLACH 61 A FAAKER SEE, BAD BERNOLD, DROBOLLACH
62 A OSSIACHER SEE, CAMPINGPLATZ ERTL, HEILIGENGES
WALD AM SCHOBERPASS 63 ⊕ ▲ FREIZEITSEE WALD/SCHOBERPAB WEISSENSEE ▲ WEIBENSEE, BAD GASTHOF MOSER, TECHENDORF ▲ WEIBENSEE, STRANDBAD KNALLER 64 65 WILDON 66 ⊕ ▲ BADESEE WILDON WUNDSCHUH 67 ⊕ ▲ BADESEE WUNDSCHUH ZEUTSCHACH 68 ⊕ ▲ GRASLUPPTEICH



ACHENKIRCH

ACHENSEE, BADESTELLE NORD, ACHENKIRCH ALTMUENSTER

▲ TRAUNSEE, SOLARBAD ALTMÜNSTER, ALTMÜNSTER ANIF

WALDBAD ANIF, ANIF

ASPACH

▲ BADESEE ASPACH - WILDENAU, ASPACH ATTERSEE

5 ATTER BAD GOISERN ATTERSEE, SPRINZENSTEINPARK, ATTERSEE

OISERN 51 A SCHWARZSEE, KITZBÜHEL A HALLSTÄTTERSEE, STRANDBAD UNTERSEE, BAD GOIS KLAFFER AM HOCHFICHT **BAD HOFGASTEIN**

▲ BADESEE GASTEIN, BAD HOFGASTEIN BERNDORF BEI SALZBURG

8 ▲ GRABENSEE, BERNDORF BREGENZ

10 ▲ BODENSEEUFER, STRANDBAD BREGENZ 11 ⊝ ▲ BODENSEEUFER, WOCHERHAFEN BREGENZ 12 ⊝ ▲ BODENSEEUFER, YACHTHAFEN BREGENZ

BREGENZER ACHE, BREGENZ BREITENBACH AM INN

14 A BERGLSTEINERSEE, GEMEINDE BREITENBACH A. I. BRIXEN IM THALE

15 ▲ BADESEE BRIXEN, BRIXEN I. TH BUERMOOS 16 ⊝ ▲ BÜRMOOSER SEE, BÜRMOOS

EBEN AM ACHENSEE

▲ ACHENSEE, BADESTELLE STRANDBAD BUCHAU, EBEN ACHENSEE, BADESTELLE SÜD, EBEN **EBENSEE**

19

▲ OFFENSEE, EBENSEE TRAUNSEE, BADEANLAGE RINDBACH, EBENSEE **EGGELSBERG**

21 A HERATINGER SEE, STRANDBAD IBM, EGGELSBERG FELDKIRCHEN AN DER DONAU

▲ FELDKIRCHNER SEE N (NORDÖSTLICHER), FELDKIRCH **FIEBERBRUNN**

23 A LAUCHSEE, FIEBERBRUNN FLACHAU

24 ⊝ ▲ REITECKSEE, FLACHAU WINKLERSEÉ, FLACHAU

26 A HOLZÖSTERSEE, FREIBAD FRANKING, FRANKING FRASTANZ

27 A UNTERE AU FRASTANZ FUSCHL AM SEE

▲ FUSCHLSEE, STRANDBAD FUSCHL, FUSCHL FUSSACH

▲ BODENSEEUFER, HÖRNLEDAMM FUßACH ▲ BODENSEEUFER, ROHRSPITZ FUßACH GMUNDEN

▲ TRAUNSEE, STRANDBAD GMUNDEN, GMUNDEN GOING AM WILDEN KAISER

▲ BADESEE GOING, BADESTELLE NORDBUCHT GOLDEGG

33 ⊝ ▲ BÖNDLSEE, GOLDEGG 34 ⊝ ▲ GOLDEGGER SEE, GOLDEGG GRAEN

35 A HALDENSEE, BADESTELLE STRANDBAD, GRÄN HALLSTATT

▲ HALLSTÄTTERSEE, KESSELGRABEN
▲ HALLSTÄTTERSEE, SEELÄNDE HALLSTATT, HALLSTAT 36 HARD

38

BODENSEEUFER, STRANDBAD HARD HEITERWANG

♠ A HEITERWANGERSEE, HEITERWANG

HINTERSEE ▲ HINTERSEE, BADESTELLE HIRSCHPOINT, HINTERSEE

HOECHST

42 A BRUGGERLOCH HÖCHST HOF BEI SALZBURG

FUSCHLSEE, STRANDBAD HOF, HOF BEI SALZBURG HOHENEMS

▲ RHEINAUEN HOHENEMS HOLLERSBACH IM PINZGAU

45 😑 🛦 BADESEE HOLLERSBACH, HOLLERSBACH IM PINZGAU

INNERSCHWAND

MONDSEE, BADEPLATZ LOIBICHL, INNERSCHWAND INNSBRUCK

▲ BADESEE ROSSAU, OST, INNSBRUCK ▲ BADESEE ROSSAU, WEST, INNSBRUCK 47 KIRCHBERG IN TIROL

▲ BADESEE KIRCHBERG, KIRCHBERG I. T. KIRCHBICHL

▲ BADESEE KIRCHBICHL, KIRCHBICHL KITZBUEHEL

52 A BADESEE KLAFFER, KLAFFER KLAUS AN DER PYHRNBAHN

53 ▲ ELISABETHSEE, KLAUS A.D.P. KRAMSACH

▲ KRUMMSEE, KRAMSACH

▲ REINTALER SEE, NORDOST, KRAMSACH
▲ REINTALER SEE, VOR CAMPINGPLATZ, KRAMSACH KUCHL

⊕ ▲ BÜRGERAUSEE, KUCHL

KUFSTEIN

▲ HECHTSEE, BADESTELLE STRANDBAD, KUFSTEIN LADIS

▲ BADESEE "ÜBERWASSER", LADIS 59 LANGKAMPFEN

▲ STIMMER SEE/BADEANSTALT LANS

LANSER SEE, LANS 61 LAUTERACH

62 ⊝ ▲ RIEDSEE LAUTERACH LINZ

▲ PICHLINGERSEE, LINZ 63 WEIKERLSEE, LINZ 64

LOCHAU 65 A BODENSEEUFER, MILITÄRBAD LOCHAU 66 A BODENSEEUFER, STRANDBAD LOCHAU LUFTENBERG AN DER DONAU

▲ HOHENLOHE AUSEE, LUFTENBERG

LUSTENAU ALTER RHEIN LUSTENAU

MATTSEE

69 ⊝ ▲ MATTSEE, STRANDBAD GEBERTSHAM, MATTSEE ▲ MATTSEE, STRANDBAD MATTSEE, MATTSEE MIEMING

▲ MIEMINGER BADESEE, MIEMING MINING

72 A BADESEE MINING IN GUNDHOLLING, MINING
MITTERKIRCHEN IM MACHLAND

MONDSEE

74 MONDSEE, ALPENSEEBAD, MONDSEE
MUEHLHEIM AM INN
75 BADESEE MÜHLHEIM, MÜHLHEIM A. INN NATTERS

76 A NATTERER SEE, NATTERS
NEUMARKT AM WALLERSEE

▲ WALLERSEE, STRANDBAD NEUMARKT, NEUMARKT NIEDERNSILL

▲ BADESEE NIEDERNSILL, NIEDERNSILL OBERTRAUN

▲ HALLSTÄTTERSEE, STRANDBAD OBERTRAUN **OBERTRUM AM SEE** ▲ OBERTRUMER SEE, STRANDBAD STAFFL, MATTSEE

OFTZ ▲ PIBURGERSEE, ÖTZ 81

PRAMET

82 A BADESEE PRAMET, PRAMET PUPING 83 🕀 🛦 NÖRDLICHER GREITERSEE, PUPPING

84 A BAGGERSEE PASPELS RANKWEIL

85 A BADESEE REGAU, REGAU REITH IM ALPBACHTAL

A REITHER SEE, REITH I. A. REUTTE

▲ PLANSEE, VOR CAMPINGPLATZ, REUTTE ▲ PLANSEE, VOR HOTEL SEESPITZ, REUTTE 87 88

URISEE, REUTTE

RIED IM OBERINNTAL

90 A RIEDER BADESEE, RIED I. O. SAALFELDEN AM STEINERNEN MEER A RITZENSEE, SAALFELDEN AM STEINERNEN MEER

SALZBURG ▲ LIEFERINGER BADESEE, SALZBURG-STADT SANKT GEORGEN BEI SALZBURG

93 ○ ▲ BADESEE ST. GEORGEN, ST. GEORGEN SANKT GILGEN

94 A WOLFGANGSEE, BADEPLATZ ST. GILGEN-RIED, ST. G 95 A WOLFGANGSEE, STRANDBAD ST. GILGEN, ST. GILGEN SANKT KOLOMAN

▲ SEEWALDSEE, ST. KOLOMAN SANKT LORENZ

97 A MONDSEE, STRANDBAD ST.LORENZ, ST. LORENZ SANKT PANTALEON ▲ HÖLLERER SEE, STRANDBAD ST.PANTALEON, ST. PAN

SANKT WOLFGANG IM SALZKAMMERGUT 99 A WOLFGANGSEE CAMPING APPESBACH SCHEFFAU AM WILDEN KAISER

▲ HINTERSTEINER SEE/BADEANSTALT SEEFELD IN TIROL

101 A SEEFELDER SEE, SEEFELD SEEHAM

▲ OBERTRUMER SEE, STRANDBAD SEEHAM, MATTSEE 102 SEEKIRCHEN AM WALLERSEE

103 WALLERSEE, STRANDBAD SEEKIRCHEN, SEEKIRCHEN

▲ WALLERSÉE, STRANDBAD ZELL, SEEKIRCHEN

SEEWALCHEN AM ATTERSEE

105 ATTERSEE, LITZLBERG, SEEWALCHEN/A. ▲ ATTERSEE, STRANDBAD SEEWALCHEN, SEEWALCHEN

SPITAL AM PYHRN ▲ GLEINKERSEE, SPITAL A.P. 107

STEINBACH AM ATTERSEE

108 ATTERSEE, EUROCAMP WEIBENBACH, STEINBACH A ATTERSEE, FREIBAD STEINBACH, STEINBACH A. A. 109 STEYREGG

110 ⊕ ▲ PLESCHINGERSEE, STEYREGG STROBL

111 A WOLFGANGSEE, FELDMAYRBAD, STROBL TAMSWEG

▲ PREBERSEE, TAMSWEG **TERFENS**

▲ WEIBLAHN, TERFENS THIERSEE

114 ▲ THIERSEE, BADEANSTALT, THIERSEE 115 ⊝ ▲ THIERSEE, WEST VOR CAMPING, THIERSEE

TRAUN ▲ BADESEE TRAUN-OEDT, TRAUN TRAUNKIRCHEN

▲ TRAUNSEE, BRÄUWIESE, TRAUNKIRCHEN TRISTACH

118 ⊝ ▲ TRISTACHER SEE, TRISTACH UNTERACH AM ATTERSEE

ATTERSEE, STRANDBAD UNTERACH, UNTERACH A. A UTTENDORF 120 🗩 🛦 BADESEE UTTENDORF, UTTENDORF WAIDRING

121 A BADESEE WAIDRING, WAIDRINGT WALCHSEE

122 ▲ WALCHSEE, STRANDBAD; WALCHSEE 123 ⊕ ▲ WALCHSEE, WEST VOR CAMPINGPLATZ, WALCHSEE WALDHAUSEN IM STRUDENGAU 124 ⊝ ▲ BADESEE WALDHAUSEN, WALDHAUSEN I. S.

WALS-SIEZENHEIM ▲ AUTOBAHNSEE VIEHHAUSEN, WALS-SIEZENHEIM

WEYREGG AM ATTERSEE ▲ ATTERSEE, WEYREGG (LAND OÖ), WEYREGG A. A

ZELL AM MOOS

127 A IRR- ODER ZELLERSEE, LAITER (OBERHOFEN), ZELL

128 A IRR- ODER ZELLERSEE, TIEFGRABEN, ZELL AM MOOS

129 A IRR- ODER ZELLERSEE, ZELL AM MOOS, ZELL AM MO

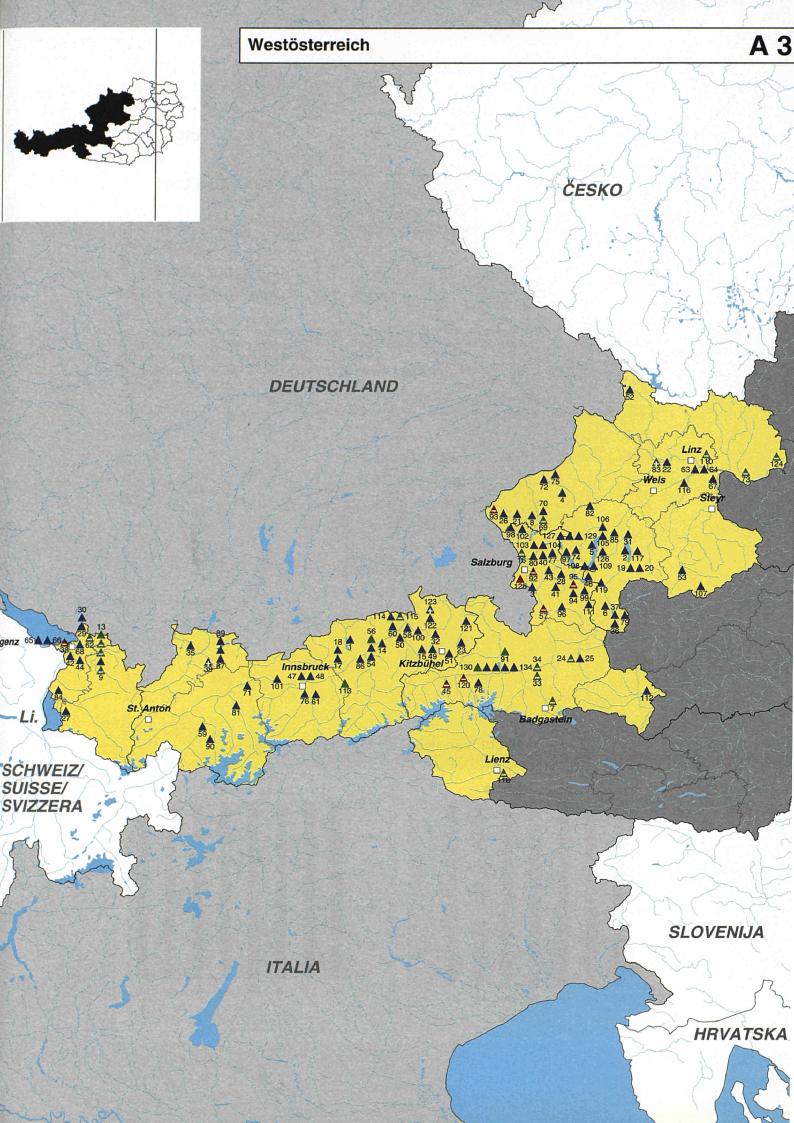
ZELL AM SEE ▲ ZELLER SEE, STRANDBAD ERLBERG, ZELL AM SEE 130

133

134

▲ ZELLER SEE, STRANDBAD PRIELAU, ZELL AM SEE 131 132

▲ ZELLER SEE, STRANDBAD SCHÜTTDORF, ZELL AM SEE ▲ ZELLER SEE, STRANDBAD THUMERSBACH, ZELL AM SE ▲ ZELLER SEE, STRANDBAD ZELL, ZELL AM SEE



Portugal

1. 1999 bathing season

Portugal: 1 June to 30 September Autonomous Region of the Acores: 15 June to 15 September

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

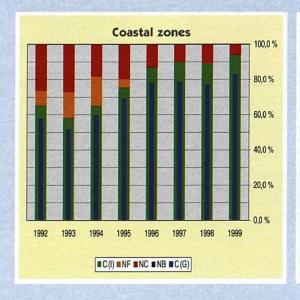
NC: percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

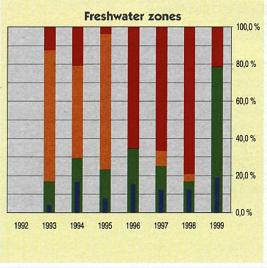
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

Portugal		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	227	65.2	58.1	8.4	26.4	0.0
	1993	312	58.1	51.8	14.7	27.2	0.0
	1994	315	64.9	59.5	16.8	18.4	0.0
	1995	334	75.1	69.2	5.1	19.8	0.0
	1996	338	86.7	78.1	0.9	12.4	0.0
	1997	336	89.6	78.6	0.6	9.8	0.0
	1998	342	88.9	77.2	0.6	10.5	0.0
	1999	342	93.9	83.0	0.0	6.1	0.0
Freshwater zones	1992		_				_
	1993	24	16.7	4.2	70.8	12.5	0.0
	1994	24	29.2	16.7	50.0	20.8	0.0
	1995	26	23.1	7.7	73.1	3.8	0.0
	1996	26	34.6	15.4	7.7	57.7	0.0
	1997	24	25.0	12.5	8.3	66.7	0.0
	1998	24	16.7	12.5	4.2	79.1	0.0
	1999	37	78.4	18.9	0.0	21.6	0.0

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 342; freshwater: 37)

In the case of the freshwater zones, three bathing areas were withdrawn and three new areas were taken into account during the 1999 bathing season. In the case of the freshwater zones, 1 bathing area was withdrawn and 14 new areas were taken into account compared with the previous bathing season.

4. Comments

The results submitted show a significant improvement in bathing water quality, particularly in the freshwater zones, with all 14 new freshwater bathing areas added during the 1999 bathing season complying with the mandatory values.

In the coastal zones, the percentage of bathing areas complying with the guide and/or mandatory values rose by 5.5 and 4.6 % respectively to 83 and 93.8 % for the 1999 bathing season. The percentage of bathing areas not complying with the mandatory values fell by 4 % compared with the previous bathing season to 6.2 %. There were no longer any insufficiently sampled bathing areas (0.6 % in the 1998 bathing season) and, as in previous seasons, there were no areas where bathing was prohibited.

The situation clearly improved in the freshwater zones, even if the compliance rates were still relatively low. Although it could be higher, the percentage of bathing areas complying with the mandatory values (78.4 %) improved spectacularly compared with the previous bathing season, with an increase of 32.6 % for the 1999 season. The percentage of bathing areas complying with the guide values remained particularly low and even declined from 20.8 % in the 1998 bathing season to 18.9 % in the 1999 season. There was an equally spectacular reduction in the percentage of bathing areas failing to comply with the mandatory values, which fell from 50 % in the 1998 bathing season to 21.6 % in the 1999 season. There were no longer any bathing areas which were insufficiently sampled (4.2 % for the 1998 bathing season). As in previous seasons, there were no areas where bathing was prohibited.

5. General information

Public information

Every year since 1989, the Ministries of the Environment and Health have published a document on the quality of bathing areas which is distributed and posted in health centres, tourism offices, harbour master's offices in ports and in bathing areas. Information on bathing areas is also provided to the public on the Internet.

Wastewater treatment

A major project for the treatment of wastewater has been implemented along the Estoril coast: it includes the building of a large sewage outfall in the sea measuring 2 km, as well as a treatment plant for urban wastewater in the Lisbon region. Another large project is foreseen for the region of Porto and the Algarve.

6. Infringement procedure

The Commission decided to initiate proceedings before the Court of Justice against Portugal for non-compliance with the directive and insufficient sampling.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (1)	C (G)	Tot. 99
1998		3	0	0	21	0	36	285	349
NEW	3	5 40 8000	Sales Section	A 50				3	10.10/3
Ban	0		godan Šv						0
NS	3	1	21950	отяби	1		_ 1		9
NC	32		1 0 10 10 10 10 10 10 10 10 10 10 10 10		9		11	12	32
Freq	2	1.		d Advan				1	1
C (I)	40				5		18	17	40
C (G)	265	1			6		6	252	264
Tot. 98	342	3	0	0	21	0	36	282	

Coastal zones (ratio = 2.5; stability = 82.3 %)

The ratio is 2.5, which indicates unambiguously that the average status of the bathing waters recorded during the 1999 bathing season improved appreciably compared with the previous season.

The stability index is still low considering that it seems to be easier to maintain quality from one bathing season to another in coastal waters than in freshwater zones. This has no negative impact on average bathing water quality, inasmuch as the trend is largely upward, as the ratio indicates.

Another point to emphasise is that no insufficiently sampled bathing areas remained during the 1999 bathing season. One of the areas concerned was withdrawn, and the other was brought into line with the guide values.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		1	0	0	8	0	22	7	37
NEW	14			1 40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					14
Ban	0	rent on P	11.11.11.11.11.11.11.11.11.11.11.11.11.					les.	0
NS	0	88		4					0
NC	12	1	anara in	4.3	3		4	4	11
Freq	1			1 B 1 53			1		1
C (1)	6				3		2	1	6
C (G)	5				2		1	2	5
Tot. 98	24	1	0	0	8	0	8	7	

Freshwater zones (ratio = 1.7; stability = 30.4 %)

The ratio reflects a significant improvement in the average quality of the freshwater bathing areas compared with the previous bathing season. Moreover, 14 new bathing areas, all complying with the mandatory values, were added compared with the 1998 bathing season.

By contrast, the stability index is particularly low, reflecting the fact that practically 70 % of the bathing areas changed status compared with the previous bathing season. This had no repercussions inasmuch as the average bathing water quality improved appreciably compared with the previous bathing season and, therefore, the majority of the changes were in the right direction.

Similar to the situation in the coastal zones, no bathing areas remained insufficiently sampled during the 1999 bathing season.

ALFANDEGA DA FE

1 ⊕ ▲ RIO SABOR-ST. ANTAO ALVAIAZERE

2 A RIBEIRA D'ALGE ARCO DE VALDEVEZ 3 ▲ RÍO VEZ-PONTILHÃO DA VALETA ARGANIL AVEIRO PIODAO SAO JACINTO 5 SAO JACINTO
CAMINHA
6 CO CAMINHA
7 FORTE DO CAO
8 MOLEDO
9 V. PRAIA DE ANCORA
CANTANHEDE
10 TOCHA
CASTANHEIRA DE PERA ▲ CORGA COIMBRA

12 A PALHEIROS DO ZORRO
ESPINHO 38 ● BARRA 39 ⊕ ● BIARRITZ-RIA 40 ● COSTA NOVA LEIRIA

1 PEDROGAO SUL

42 PEDROGAO-CENTRO

MACAO

43 A ORTIGA MACEDO DE CAVALEIROS

44 ⊕ ▲ ALBUFEIRA DO AZIBO

MARINHA GRANDE

45 ● S. PEDRO DE MOEL

46 ● VIEIRA

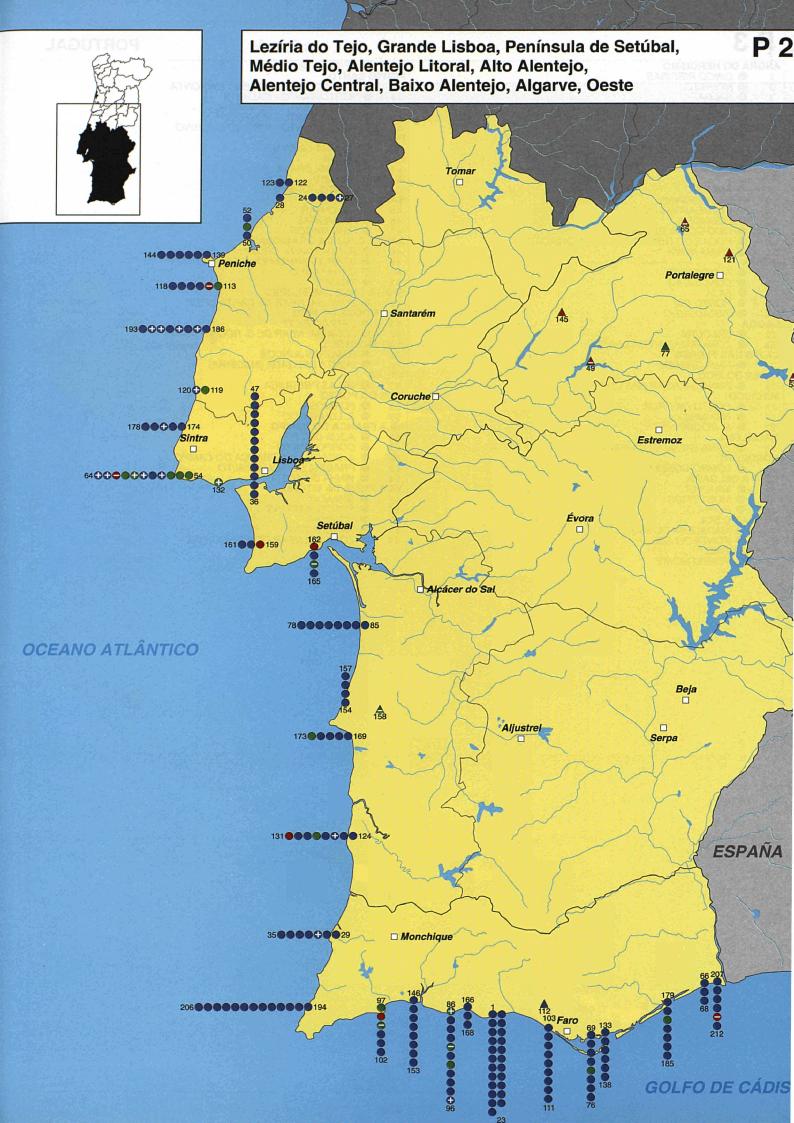
▲ ALBUFEIRA DE MIRANDA

MIRANDELA 50 ⊕ A RIO TUA-MARAVILHA MOGADOURO 51 ⊕ ▲ FOZ DO AZIBO 52 ⊕ ▲ RIO SABOR-PONTE REMONDES OVAR

57 ⊕ ARAINHO
58 ■ CORTEGACA
59 □ ESMORIZ
60 ■ FURADOURO
61 ■ MARRETA
PONTE DA BARCA
62 ▲ RIO LIMA-PONTE DA BARCA
PONTE DE LIMA
63 □ ▲ ARNADO
64 □ ▲ D. ANA
PORTO PORTO
65 CASTELO DO QUEIJO
66 GONDAREM
POVOA DE VARZIM 67 ● LAGOA 68 ⊕ ● PAIMO SERTA
69 A RIBEIRA GRANDE TORRE DE MONCORVO 94 AZENHA DOS GAVIOES VIMIOSO 95 A PONTE MACAS 96 ▲ RIO RABACAL-PONTE FRADES 97 ⊕ ▲ RIO TUELA-PONTE DA RANCA 98 ⊕ ▲ RIO TUELA-PONTE SOEIRA



ALBUFEIRA	72	FARO-MAR	142	COVA DA ALFARROBA
1 • ALEMAES	73	FARO-MAR FARO-RIA HANGARES ILHA DO FAROL-MAR ILHA DO FAROL-RIA	143	MEDAO-SUPERTUBOS
2 • ARRIFES	74	HANGARES	144	S. BERNARDINO
3 • AVEIROS 4 • BALEEIRA	75	I I HA DO FAROL-RIA	PONTE	DE SOR A ALBUFEIRA DE MONTARGIL
5 BELHARUCAS	FRONTE	IRA	PORTIM	ALBOPEIRA DE MONTARGIL
6 CASTELO	77	TERMAS DE CABECO DE VIDE-REPRESA	146	ALVOR
7 • COELHA	GRAND	DLA	147	BARRANCO DAS CANAS
8 EVARISTO	78	CARVALHA	148	CARIANOS
10 GALE-LESTE	80	COMPORTA	150	PRAINHA ROCHA
11 • GALE-OESTE	81	GALE-FONTAINHAS	151	TRES CASTELOS
12 • INATEL	82	MELIDES	152	TRES IRMAOS
13 MANUEL LOURENCO-GALE	83	TROIA-BICO DAS LULAS	153	VAU
15 MARIA LUISA	05	TROIA-MAH	154	GO DO CACEM) AREIAS BRANCAS
16 OURA	LAGOA	THOIA-HIO	155	COSTA DE SANTO ANDRE
17 • PESCADORES	86 🕀 🌑	ANGRINHA	156	FONTE DO CORTICO
18 ROCHA BAIXINHA-LESTE	87	BENAGIL	157	MONTE VELHO
19 HOCHA BAIXINHA-UESTE	88	CARVALHO	SESIMB	LAGOA DE SANTO ANDRE
21 SALGADOS	90 🗇	CARVOEIRO	159	CALIFORNIA
22 SANTA EULALIA	91	COVA REDONDA	160	MOINHO DE BAIXO-MECO
23 • TUNEL	92	FERRAGUDO	161	
ALCOBACA	93	MAHINHA DINTADINHO	SETUBA	
25 PEDRA DO OURO	95	SENHORA DA ROCHA	163) ALBARQUEL) FIGUEIRINHA
26 POLVOEIRA	96 ⊕	VALE CENTEANES	164 🗇	GALAPOS
27 ⊕ S. MARTINHO DO PORTO	LAGOS		165	PORTINHO DA ARRABIDA
28 AGUA DE MADEIROS	97	BATATA	SILVES	ARMACAO DE REDA
29 AMADO	98	D ANA	167) ARMACAO DE PERA) BARCOS
5 BELHARUCAS 6 CASTELO 7 COELHA 8 EVARISTO 9 FALESIA 10 GALE-CESTE 11 GALE-OESTE 11 GALE-OESTE 11 MATEL 13 MANUEL LOURENCO-GALE 14 MARIA LUISA 15 OLHOS D'AGUA 16 OURA 17 PESCADORES 18 ROCHA BAIXINHA-LESTE 19 ROCHA BAIXINHA-OESTE 20 S. RAFAEL 21 SALGADOS 22 SANTA EULALIA 23 TUNEL ALCOBACA 24 PAREDES DE VITORIA 25 PEDRA DO OURO 26 POLVOEIRA 27 ⊕ S. MARTINHO DO PORTO 28 AGUA DE MADEIROS ALJEZUR 29 AMADO 30 AMOREIRA-RIO 31 ⊕ AMOREIRA-RIO 32 ARRIFANA 33 BORDEIRA 34 MONTE CLERIGO 35 ODECEIXE-MAR ALMADA 36 ACACIA SUL 37 ACACIAS 38 ACACIAS NORTE 39 ALBATROZ 40 FONTE DA TELHA 41 MEDOS 42 MEDOS SUL 43 S. JOÃO DA CAPARICA 44 S. JOÃO DA CAPARICA 44 S. JOÃO DA CAPARICA 45 TERRAS DA COSTA 46 TERRAS DA COSTA 46 TERRAS DA COSTA 47 VILA DA COSTA 48 ⊕ ALBUFEIRA DO MARANHAO CALDAS DA RAINHA 5 FOR DA BELLIO ABERTA 4 FOR DA BELLIO ABER	100	LUZ	168	GRANDE
31 ⊕ ● AMOREIRA-RIO	101	MEIA PRAIA	SINES	
32 • ARRIFANA	102	PORTO DE MOS	169	GRANDE DE PORTO COVO
33 BOHDEIHA MONTE CLERICO	LOULE	ANCAO	170) ILHA DO PESSEGUEIRO) MORGAVEL
35 ODECEIXE-MAR	104	DUNA	172	S.TORPES
ALMADA	105	GARRAO	173	VASCO DA GAMA
36 • ACACIA SUL	106	QUARTEIRA	SINTRA	
37 ACÁCIAS NORTE	107	QUINTA DO LAGO	174	ADRAGA GRANDE
39 ALBATROZ	109	TRAFAL-CAVALO PRETO-MAR	176 (+)	MACAS
40 FONTE DA TELHA	110	VALE DE LOBO	177	MAGOITO S. JULIAO
41 MEDOS	111	VILAMOURA	178	S. JULIAO
42 MEDOS SUL	112	TRAFAL-CAVALO PRETO-LAGOA	TAVIRA	BARRIL
44 S. JOÃO DA CAPARICA SUI	113 •	ARFAL SUI	180	CABANAS-MAR
45 • TERRAS DA COSTA	114 🗇 🔴	AREIA BRANCA	181	CABANAS-RIA
46 TERRAS DA COSTA SUL	115	PAIMOGO	182	FORTE DA BARRA
APPONCHES	116	N PORTO DAS BARGAS	183) ILHA DE TAVIRA-MAR) ILHA DE TAVIRA-RIA
48 ⊕ ALBUFEIRA DO CAIA	118	VALE MITAO	185	TERRA ESTREITA
AVIS	MAFRA	77122 777710	TORRES	SVEDRAS
49 ⊝ ▲ ALBUFEIRA DO MARANHAO	119	RIBEIRA DE ILHAS	186	AMANHA
AVIS 49 © A ALBUFEIRA DO MARANHAO CALDAS DA RAINHA 50 FOZ DO ARELHO-ABERTA 51 FOZ DO ARELHO-LAGOA	120 (+) O	O RIBEIRA DE ILHAS O S. LOURENCO	187 🕀) AZUL) FISICA-STA. CRUZ
51 FOZ DO ARELHO-ABERTA	121 A	PORTAGEM-REPRESA	189 (+)	MIRANTE
52 FOZ DO ARELHO-MAR	NAZARE		190	PISAO-STA. CRUZ
CAMPO MAIOR		NAZARE		SANTA CRUZ-CENTRO
53 ⊝ ▲ ALBUFEIRA DO CAIA-ILHA CASCAIS	ODEMIR	SALGADO) SANTA RITA) SANTA RITA-SUL
54 • AZARUJINHA	124 (ALMOGRAVE	VILA DO	
55 @ CARCAVELOS	125	ODECEIXE-BAIONA	194	ALMADENA-CABANAS VELHAS
56 CONCEICAO		ODECEIXE-RIO		BELICHE
57 + CRESMINA 58 GUINCHO		VILA NOVA DE MILFONTES-FAROL VILA NOVA DE MILFONTES-FRANQUIA) BOCA DO RIO) BURGAU
59 + MOITAS		VILA NOVA DE MILFONTES-FANQUIA		CASTELEJO
60 ⊕ PAREDE	130	VILA NOVA DE MILFONTES-VILA FORMOSA	199	CORDOAMA
61 POCAS	0EIRAS	ZAMBUJEIRA DO MAR		FIGUEIRA
62 ⊝ ● RAINHA 63 ⊕ ● S. PEDRO DO ESTORIL		TORRE) INGRINA) MARETA
64 + TAMARIZ	OLHAO	i with the		MARTINHAL
CASTELO DE VIDE	133	ARMONA-MAR	204	SALEMA
65 ⊝ ▲ ALBUFEIRA DE POVOA E MEADAS CASTRO MARIM) ARMONA-RIA) CAVACOS		TONEL ZAVIAL
66 • ALAGOA-ALTURA		FUSETA-MAR		AL DE SANTO ANTONIO
67 PRAIA VERDE	137	FUSETA-RIA	207	FABRICA-MAR
68 • RETUR	138 G			LOTA
FARO 69 ● BARRETA	PENICH	E) BALEAL		MANTA ROTA MONTE GORDO
70 • CULATRA-MAR		BERLENGA		PONTA DA AREIA
71 • CULATRA-RIA	141	CONSOLACAO	212	SANTO ANTONIO



 SALGA
 SALGUEIROS
 SILVEIRA CALHETA CALHETA/PORTINHO
CALHETA (MADEIRA) 6 CORVO 8 ⊕ AREIA **FUNCHAL** HAL

AREEIRO

BARREIRINHA

CLUBE NAVAL DO FUNCHAL

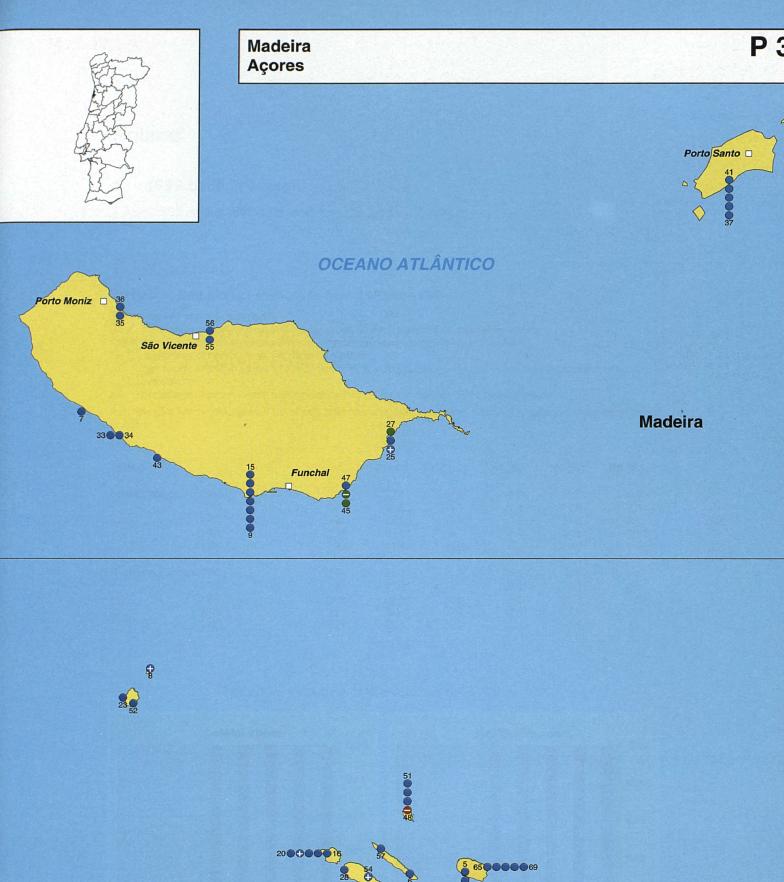
FORMOSA

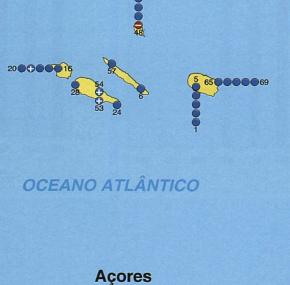
LIDO-COMPLEXO BALNEAR

POCAS DO GOMES-DOCA DO CAVACAS

PRAIA NOVA 10 11 12 13 14 15 HORTA ALMOXARIFECONCEICAOFAJA 16 17 18 19 ⊕ PORTO PIM 20 VARADOURO LAJES DAS FLORES
23 FAJA GRANDE
LAJES DO PICO 24 O ZONA BALNEAR DAS LAJES MACHICO 25 ⊕ PORTO DA CRUZ 26 PRAINHA 27 S. ROQUE **MADALENA** ZONA BALNEAR DA MADALENA NORDESTE LOMBO GORDO PONTA DELGADA MILICIASMOSTEIROSPOPULO 30 31 **PONTA DO SOL** 33 MADALENA DO MAR 34 PONTA DO SOL PORTO MONIZ

PORTO MONIZ





Finland

1. 1999 bathing season

1 June to 15 August and in Lapland from 15 June to 15 August

2. Main results

Table 1 — Evolution of the results from 1995 to 1999

Σ : total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

NC: percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

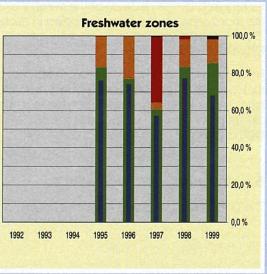
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances and phenols.

Finland		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1995 1996 1997 1998 1999	100 101 94 94 93	73.0 80.2 58.5 84.0 91.4	61.0 72.3 47.9 69.1 60.2	25.0 19.8 6.4 4.3 5.4	2.0 0.0 34.0 10.6 3.2	0.0 0.0 1.1 1.1 0.0
Freshwater zones	s 1995 1996 1997 1998 1999	378 391 360 357 343	83.1 77.0 60.6 83.2 85.4	75.9 73.9 56.9 77.3 67.9	16.4 92.8 3.6 14.9	0.5 0.3 35.3 1.9 0.6	0.0 0.0 0.5 0.0

Figure 1 — Evolution of the results from 1995 to 1999





3. Number of bathing areas (coastal: 93; freshwater: 343)

Compared with the 1998 bathing season, one coastal bathing area was withdrawn. For the 1999 bathing season, 15 freshwater bathing areas were withdrawn and 1 new freshwater bathing area was taken into account.

4. Comments

This was the first bathing season for which Finland's results included the measurements for the 'total coliforms' microbiological parameter, in accordance with the directive.

In both the coastal and, to a slightly more marked extent, the freshwater zones, the average bathing water quality was low compared with the previous bathing season. Also, the percentage of bathing areas insufficiently sampled was relatively high, particularly in the freshwater zones. This point is particularly negative since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

In the coastal zones, the average bathing water quality was relatively low. Although the percentage of bathing areas complying with the mandatory values rose by over 6% to 91.4%—a satisfactory value—the percentage complying with the stricter guide values (60.2%) fell by practically 9% and was relatively low. The percentage of bathing areas not complying with the mandatory values (3.2%) was down very sharply on the previous bathing season (10.6%) but remained significant. Conversely, the percentage of bathing areas insufficiently sampled rose slightly to 5.4%. There were no areas where bathing was prohibited.

In the freshwater zones, the results were also erratic but showed a downward trend. Although the percentage of bathing areas complying with the mandatory values rose slightly, it remained fairly low, creeping from 83.2 % during the 1998 bathing season to 85.4 % in the 1999 season. The same applies to the percentage of bathing areas complying with the guide values (67.9 %) which was down by practically 10 %. Following the same trend, the percentage of bathing areas insufficiently sampled (12.5 %) was down by 2.4 % but remained unacceptably high. Bathing had not been prohibited in any bathing area during the previous season but was prohibited at 1.5 % during the 1999 season. The only more satisfactory value was the percentage of bathing areas not complying with the mandatory values, which fell slightly from 1.9 % during the 1998 bathing season to 0.6 %.

5. General information

Public information

As required by the decision of the Ministry of Social Affairs and Health, the most recent results on the monitoring programme are posted in each public bathing area.

Other information

Finland has stated that, with the exception of the abovementioned bathing areas, its territory includes more than 2 000 small public bathing areas, and more than 400 000 private summer cottages are near bathing water. Given the low number of bathers, the latter do not correspond to the definition of Article 1 of the directive and are therefore not monitored systematically, as required by the directive.

6. Infringement procedure

The Commission decided to issue a reasoned opinion for poor implementation of the directive.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		1	0	0	3	5	29	56	93
NEW	0								C
Ban	1		United to				1		1
NS	0								0
NC	10					3	3	4	10
Freq	4					1		3	4
C (I)	14				1		6	7	14
C (G)	65	1			2	1	19	42	64
ot. 98	94	1	0	0	3	5	29	56	

Coastal zones (ratio = 0.8; stability = 52.7 %)

The ratio is less than 1, which reflects a deterioration in average bathing water quality for the 1999 bathing season. This low ratio is coupled with a particularly low stability index, which means that 47.3 % of the areas taken into account during the 1998 bathing season and again in 1999 changed status from one season to the next

The low ratio can be put into context by the fact that 43 % of the changes were due to bathing areas which used to comply with the guide values complying only with the less strict mandatory values during the 1999 bathing season.

It must be added that five bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that not only were bathing areas which were insufficiently sampled during the previous bathing season still being sampled insufficiently, but also even bathing areas which were sampled correctly during the 1998 bathing season were insufficiently sampled during the 1999 season.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		15	5	0	2	43	60	233	343
NEW	1							1	1
Ban	0	24 - 17							0
NS	0								0
NC	7		1	- 100	1	4	1	1	7
Freq	53	3		1.66/19		21	6	23	50
C (I)	21	3					10	8	18
C (G)	276	9	5		1	18	43	200	267
ot. 98	357	15	5	0	2	43	60	232	5 5 5 5 5

Freshwater zones (ratio = 0.6; stability = 67.8 %)

The ratio is low, which reflects a slip into the red statuses from one bathing season to the next. Just as for the coastal zones, this ratio is coupled with a fairly low stability index; consequently, there were big changes, heading towards lower average freshwater quality.

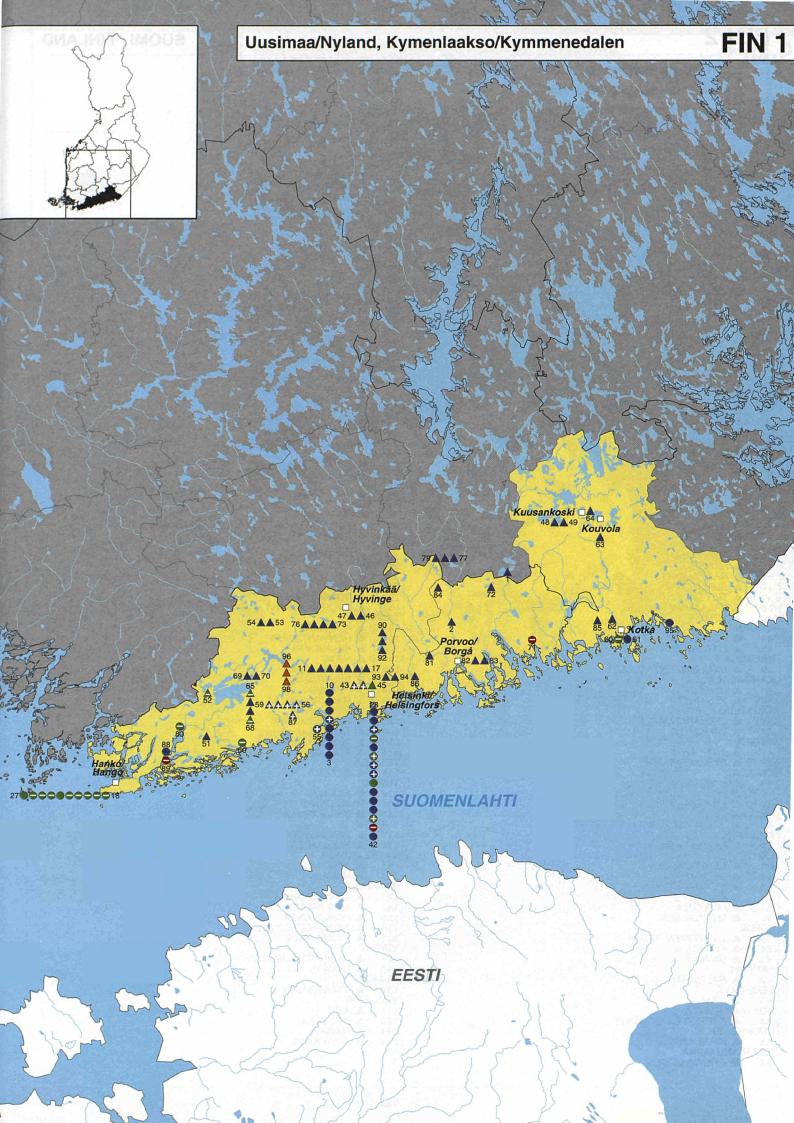
The comments made on coastal zones must be repeated here. A significant number of changes came about because bathing areas which used to comply with the guide values lost their status and complied only with the mandatory values. Finally, the question of sampling cannot be overemphasised, this being illustrated perfectly by the case of Finland, which listed a total of 43 bathing areas as insufficiently sampled during the 1999 bathing season.

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ASKOLA
TULLINIEMI, POHJUINEN
HELSINKI

8  FURUVIK
29  HEVOSSALMI
30  HIETARANTA
31  KALLAHTI
32  LAAJASALO
33  LAUTTASAARI, MERIKYLPYLÄN PUISTO
34  MARJANIEMI
35  MUNKKINIEMI
36  MUSTIKKAMAA
37  PIHLAJASAARI
38  SEURASAARI
39  SUOMENLINNA
40  UUNISAARI
41  VARTIOKYLÄ
42  VUOSAARI
43  MALMI
44  APKILA
45  PIKKUKOSKI
HYVINKÄÄ
46  SÄÄKSJÄRVI
47  LUSMI
   HELSINKI
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KARJALOHJA
52 ⊙ ▲ PUUJÄRVI
KARKKILA
53 ▲ SAARLAMMI
54 ▲ VATTOLA

KIRKKO	NUMMI
55 ⊕ ■	LÅNGVIK
56 ⊕ ▲	
	STORTRÄSK
	SYVÄJÄRVI
59 (+)	TAMPAJA,HAAPAJÄRVI
KOTKA	
60 🖯 🜑	ÄIJÄNNIEMI
61	SANTALAHTI
62	TAMPSAN MONTTU
KOUVO	
	KÄYRÄLAMPI
KUUSAN	NKOSKI
64	SOMPANEN
LOHJA	
65 ⊖ ▲	AURLAHTI
	HAIKARI
67	LIECCAADI
	LIESSAARI
	MOISIO
LOHJAN	I KUNTA
69	LASITEHDAS
70	PALONIEMI
LOVIISA	
71 🖯	PLAGEN
MYRSKY	
72	
NURMIJ	ARVI
73	HERUNEN
74	RÖYKKÄ
75	SÄÄKSI
ORIMAT	
	KALLIOJARVI
78	SALUSJARVI
79	VIRENOJA
POHJA	
	GUMNÄS .
PORVO	
81	
PORVO	
82	HASSELHOLMEN
83	TERVAJÄRVI
PUKKIL	A
84	IILIJÄRVI
PYHTÄÄ	
	HUUTJÄRVI
85	HOUTJANVI
SIPOO	
	PILVIJÄRVI
SIUNTIC	
87 +	STÖRSVIK
TAMMIS	
88	CAMPINGEN
89 🗇	KNIPAN
TUUSUL	
90	
91	RUSUTJARVI
92	URHEILUKESKUS
VANTA	
93	
	KUUSJÄRVI
94 A	
VEHKAL	Anii
95) PITKÄT HIEKAT
VIHTI	
96	MYLLYLAMPI
97	OTALAMPI
98	VARIKKAA



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AURAJÄRVEN RANTASAUNA
     ⊕ ▲ ESSON RANTA

▲ KIIMAJÄRVEN RANTASAUNA
▲ PIRPPULANRANTA
EURA
          ▲ KIPERI
EURAJOKI

• LAHDENPERÄ

FORSSA
  9 ⊕ ▲ LINIKKALA
HALIKKO
HAMEENLINNA
13 ▲ AHVENISTO
14 ⊝ ▲ IDÄNPÄÄ
15 ▲ KIHTERSUO
16 ⊝ ▲ TERVANIEMI
17 ▲ UIMAHALLIN RANTA
HARJAVALTA
18 ⊝ ▲ KULTAKOUKKU
HARTOLA
19 A AURINKORANTA
HATTULA
20 ⊝ ▲ HERNIÄINEN
HAUHO
      HEINOLA
22 A KYLPYLÄ
HOLLOLA
 HOLLOLA
23 ▲ HAHMAJÄRVI
24 ▲ KOTOMÄKI
25 ▲ MESSILÄ
26 ⊝ ▲ VÄHÄ-TIILIJÄRVI
IKAALINEN
27 ▲ KASINO
28 ▲ KYLPYLÄ
29 ▲ TOIVOLANSAARI
30 ▲ TUOMISTONLAHTI
JANAKKALA
 31 ⊝ ▲ KERNAALA
32 ⊝ ▲ LIINALAMPI
33 ⊝ ▲ PUUHAMAA
34 ⊝ ▲ RAHITTU
         A RANTALAHTI
 35
 36 ▲ SURUTON
37 ⊝ ▲ TIETTY
38 ▲ VALAJÄRVI
39 ▲ VIRALA
KAARINA
40 HOVIRINTA
41 A LITTOINEN
AALVOLA
42 ⊝ ≜ URHEILUKENTÄN RANTA
KANGASALA
43 ≜ LIUTTU
44 ≜ VESANIEMI
KÄRKÖLÄ
      ▲ ORIHARONJÄRVI
▲ VALKJÄRVI
 45
KIHNIÖ
 47 ▲ AITOLAHTI
48 ⊝ ▲ PYHÄNIEMI
KIIKALA
49 ▲ HÄ
KOKEMÄKI
             HÄRJÄNVATSA
50 ⊝ ▲ PITKÄJÄRVI
KULLAA
51 A SILOKALLION KURSSIKESKUS
KUUSJOKI
         ▲ NUMMIJÄRVI
LAHTI
 53 ▲ HERRASMANNI
54 ▲ LIKOLAMPI
55 ⊝ ▲ MERRASJÄRVI
56 ▲ MÖYSÄ
 57
         ▲ MUKKUL
 58
          ▲ MYTÄJÄINEN
LAMMI
         ▲ JUOTTIMEN RANTA
▲ PÖYSTILÄ
 59
60 ▲ POYSTILA
61 ▲ UNTULA
LAPPI TL
62 ▲ SAUNARANTA
LEMPÄÄLÄ
63 ▲ UIMALA
LOIMAAN KUNTA
64 ▲ PAPPISTEN ISOJÄRVI
LUOPIOINEN
65 ▲ KIRKONKYI Ä
65 A KIRKONKYLÄ
MAARIANHAMINA
66 GRÖNA UDDEN
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MASKU
           ▲ RIVIERA
 MUURLA
           ▲ PIILJÄRVI
 NAANTALI
           NUNNALAHTI
72
NASTOLA
73 ▲ KIRKONKYLÄ
74 ▲ KYMIJÄRVI
75 ▲ PAJULAHTI
76 ▲ VILLÄHTEEN-KUKKANEN
77 A MAATIALA
PAIMIO
78 ⊝ ▲ OINILA
PÄLKÄNE
            ▲ PAKANRANTA
 PARAINEN
 80 - NORRBY
81 A KIRKKOJÄRVI
82 A POIKKEUSJÄRVI, LEIRIKESKUS
83 A VAHOJÄRVI, LEIRIKESKUS
PERNIÖ
 84 A NAARJÄRVEN UIMALA
PERTTELI
 85 A VARVOJÄRVI
PIRKKALA
 86 ⊝ ▲ LOUKONLAHTI
87 ▲ REIPPI
88 ▲ TURRI
 PORI
 89 • YYTERI
90 • ▲ HERRAINPÄIVÄT
91 ⊝ ▲ KIRJURINLUOTO
 RAUMA
 92 ● OTANLAHTI
93 ⊕ ▲ BERGSTRÖMIN LAMPI
 RENKO
              KIIKKARA
 RUOVESI
 95 ⊝ ▲ HAAPASAARI
96 ⊝ ▲ KIRKONKYLÄ
97 ⊝ ▲ TUUHONEN
 SALO
 98 A LEHMIJÄRVI
SAUVO
99 SARAPISTO
99
SOMERO
100 ▲ NUMMIJÄRVI
101 ▲ SALKOLANJÄRVI
TAMPERE

102 ⊕ ▲ ALASJÄRVI

103 ⊕ ▲ HERVANTAJÄRVI

104 ⊕ ▲ KAUKAJÄRVI

105 ⊕ ▲ NIEMI

106 ⊕ ▲ OLKAHINEN

107 ⊕ ▲ PELTOLAMMI

108 ⊕ ▲ PYYNIKKI

109 ⊕ ▲ RAUHANIEMI

110 ⊕ ▲ SUOLIJÄRVI

111 ⊕ ▲ SUOMENSAARI

112 ⊕ ▲ TAHMELA
 TAMPERE
111 ⊕ ▲ TAHMELA
112 ⊕ ▲ TESOMAJÄRVI
114 ⊕ ▲ TOHLOPPI
TOIJALA
 115 ⊕ ▲ SATAMA
TURKU
116 • EKVALLA
117 • ISPOINEN
118 • • SAARONNIEMI
TUULOS
 119 A PANNUJÄRVI
120 A SUOLIJÄRVI
VALKEAKOSKI
 121 A APIA
122 A HAKALA
 122 A H
VAMINALA

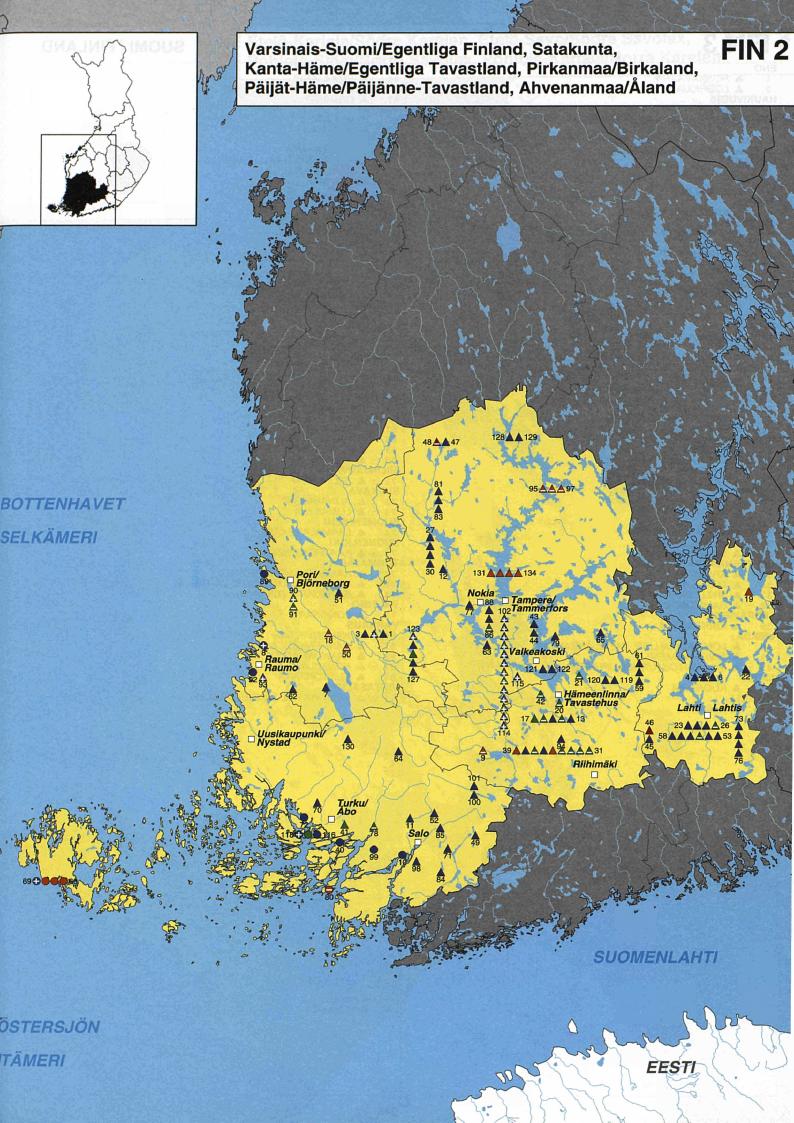
123 ⊕ ▲ ALASENRANTA

124 ▲ KAALISAARI

125 ▲ PORORANTA

126 ▲ TERVAKALLION LEIR.

127 ▲ VESARANTA
 VIRRAT
 128 A KALETTOMANLAHTI
129 A LAKARI
 YLÄNE
 130 ▲ V.
YLÖJÄRVI
               VALASRANTA
 131 ▲ ARO
132 ▲ KUUSELA
133 ▲ RÄIKKÄ
           ▲ SIIVIKKALA
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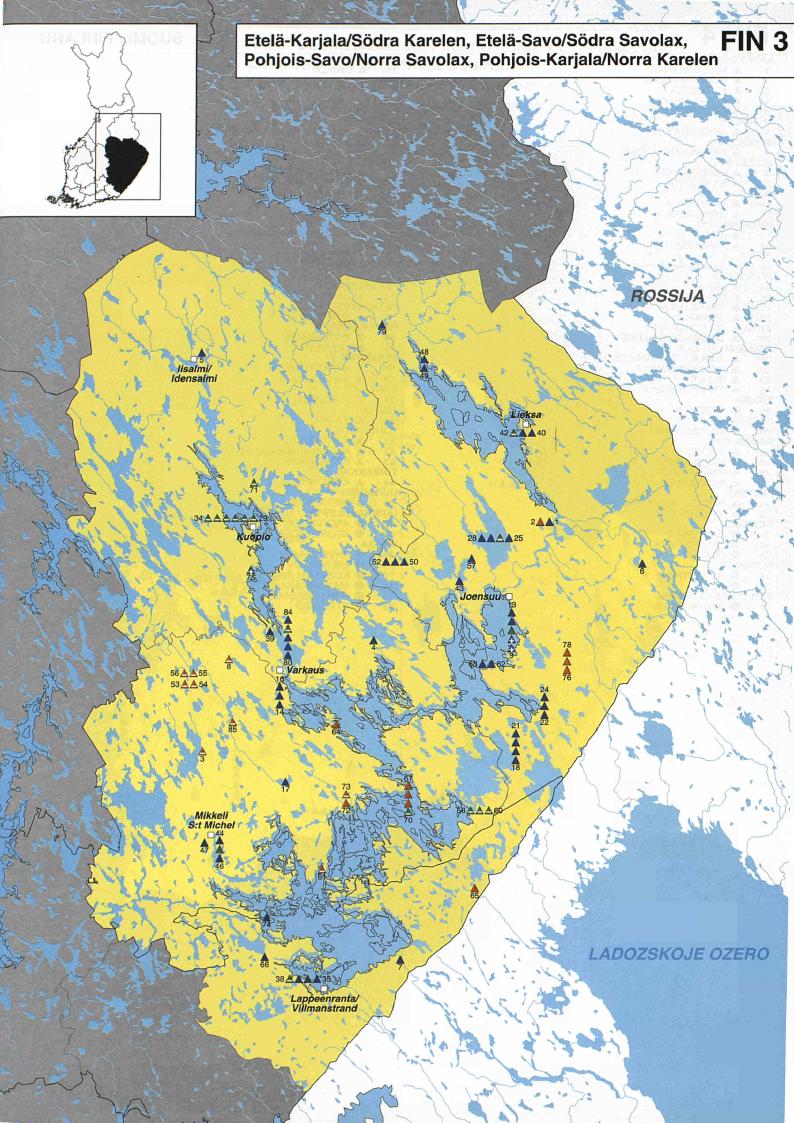
ENO ▲ HONKAVAARA LOUHIOJA A PITKÄHIEKKA 4 A KERMANRANTA 5 A KAUPUNGIN RANTA 6 A SAHARANTA 7 A UKONLINNA JÄPPILÄ 8 🕒 🛦 KIRKONKYLÄ, AHVENLAMPI JOENSUU 9 ⊕ ▲ HONKANIEMI 10 ⊕ ▲ ILOSAARI 11 ▲ LINNUNLAHTI ▲ NUOTTANIEMI ▲ VEHKALAHTI JOROINEN ▲ KOLPPA ▲ VALVATUKSEN LEIR. ▲ VANAMOLA 14 JUVA ▲ UIMALA, JUKAJÄRVI KESÄLAHTI ▲ KARJALAN LOMAKESKUS ▲ KIEVARIN RANTA ▲ MÄNTYRANTA 18 19 20 ▲ RUOKKEEN LOMAKYLÄ KITEE ▲ LAMMINRANTA ▲ LIKOLAMPI 22 23 ▲ POSTINRANTA KONTIOLAHTI 25 ▲ AITTOLAMPI 26 ⊝ ▲ ONKILAMPI ▲ VALKEALAMPI ▲ VIEREVÄNNIEMI 27 KUOPIO **LAPPEENRANTA** 35 ▲ KIVISALMI
36 ▲ MATTILANLAMPI
37 ▲ MYLLYSAARI
38 ⊝ ▲ SAMMONLAHTI
LEPPÄVIRTA 39 ▲ KIRKONKYLÄ LIEKSA 40 ▲ LOMA-KOLIN LEIR. (MERILÄNRANTA) 41 ▲ TIMITRANNIEMI 42 ⊝ ▲ UIMALAITOS (URHEILUPUISTO) LIPERI

43 A KUORINKA MIKKELI

▲ KAIHU

44

▲ PANKALAMPI ▲ PITKÄJÄRVI MIKKELIN MLK 47 A ORIJĀRVI NURMES 48 ▲ HYVÄRILÄ 49 ▲ SATAMA OUTOKUMPU 50 A KOLMIKANTA
51 A KUUSJÄRVEN UIMARANTA
52 A SÄRKISELKÄ
PIEKSÄMÄEN MLK
53 A TRIC 53 ⊝ ▲ TRIO 54 ⊝ ▲ VANGASJÄRVI PIEKSÄMÄKI 55 ⊝ ▲ HIEKANPÄÄ 56 ⊝ ▲ TAHINLAMPI POLVIJÄRVI ▲ HUHMARI PUNKAHARJU 58 ⊝ ▲ KULTAKIVEN LOMAKYLÄ 59 ⊝ ▲ PUNKAHARJUN LOMAKESKUS 60 ⊝ ▲ UIMALAITOS **PUUMALA** 61 ⊝ ▲ KOSKENSELKÄ RÄÄKKYLÄ 62 ▲ KOIVUNIEMI
63 ▲ PAKSUNIEMI
RANTASALMI
64 ▲ JÄRVISYDÄN
RAUTJÄRVI 65 MERONEN
SAVITAIPALE
66 OLKKOLA
SAVONLINNA SILINJAHVI 71 ⊝ ▲ SIILINLAHTI SULKAVA 72 ▲ ALINANNIEMI 73 ⊝ ▲ LOMAKYLÄ SUOMENNIEMI 74 A LAAMALANSAARI SUONENJOKI 75 ⊕ ▲ KAATRON UIMALA TOHMAJÄRVI ▲ KANGASLAMPI (ONKAMO) ▲ NENOSEN LAMPI (UUSI-VÄRTSILÄ) ▲ SÄRKIJÄRVI (TIKKALA) 76 77 VALTIMO 79 A LOKKISAARI VARKAUS 80 ▲ HAIJANVIRTA
81 ▲ HANHENKAULA
82 ▲ KANKUNHARJU
83 ⊝ ▲ KOMMILA
84 ▲ KUNTORANTA VIRTASALMI 85 ⊝ ▲ KIRKONKYLÄ, LÄNGELMÄJÄRVI



AANEK	
	KELLONKANTA
	KONGINKANGAS
3	KOTAKENNÄS
4	KOVALANNIEMI
5	MÄMMENLOSSI
ÄHTÄRI	
6 ⊕ ▲	MEKKORANTA
ISOJOK	I
7	KANGASJÄRVI, LEIR.
JALASJ	ÄRVI
	LAMMINJÄRVI
	SAARIJÄRVI
JÄMSÄ	
	MAAUIMALA
	SÄRKIJÄRVI
JÄMSÄN	
	RASUA
	VARPAISNIEMI
JURVA	VAIII AIGIVIEIVII
14 (1)	SÄLÄISJÄRVI
JŶVÄSK	VIÄ
	KÖHNIÖ
16	LOHIKOSKI
17 4	
10	TIVVA
18 +	TIKKA
19	
20	
	YLÂN MLK
21	
22	
	OLLILA
	PAPPILANRINNE
KÄLVIÄ	
25	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
KASKIN	
	MARIESTRAND
KAUHA	
27	
	HIUKKĄJÄRVI
	IKKELÄJÄRVI
30 🛦	NUMMIJÄRVI
KEURUI	J
31	NOTELLĮ KEURUSSELKA
32	NYYSSÄNNIEMI
KOKKO	LA
33 ⊕ ■	HALKOKARI
34	LAHDENPERÄ
35	ÖJA
KORSN	
	HARRSTRÖM
	MOLPE

KRISTIINANKAUPUNKI 38 • SANDBANKEN

KUHMOINEN
39 ▲ UIMALA
KURIKKA
40 ⊕ ▲ PITKÄMÖ
LOHTAJA
41 ● VATTAJA
MAALAHTI
42 ⊕ ĤMINNE
43 ● BREDHÄLLAN
44 ● VÄGVIK
MUSTASAARI
45 ● ISKMO SIMSTRAND
46 ⊖ ÖSTERHANKMO
47 ▲ KARPELLA
NÄRPIÖ
48 ● FAGERÖ, RANGSBY
49 ● TJÄRLAX
50 ● VERKAN, NORRNÄS
NURMO KUHMOINEN **NURMO** NUHMO

51 ▲ TANELINLAMPI

ORAVAINEN

52 ⊕ SATAMA

PERÄSEINÄJOKI

53 ▲ KALAJÄRVI

PETÄJÄVESI

54 ▲ KIRKONKYIÄ TEUVA
60 ▲ PARRA
TOHOLAMPI
61 ▲ HONGISTO
62 ⊕ ▲ KÖÖKMANNIN UIMARANTA
63 ▲ SYKÄRÄINEN
TOIVAKKA
64 ▲ KIRKONKYLÄ
UURAINEN
65 ⊝ ▲ HIETASAARI
UUSIKAARLEPYY
66 ● ANDRASJÖN
67 ⊕ ⑤ STORSANDEN
VAASA 67 ⊕ STOHSANDEN

VAASA

68 ○ AHVENSAARI

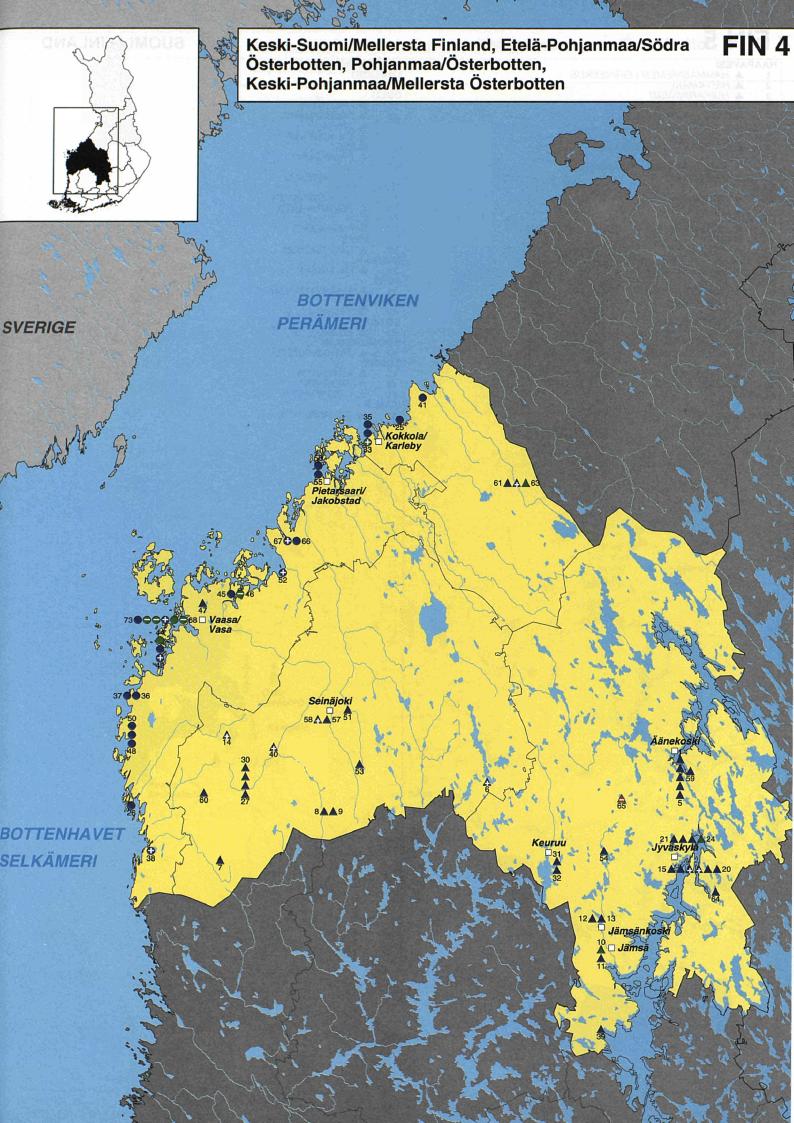
69 ● HIETASAARI

70 ⊕ KUSTAANLINNA

71 ○ MANSIKKASAARI

72 ○ PARATIISISAARI

73 ● STRÖMSÖ



HAAPAVESI

II NALAJOKI

13 ⊕ LEIRINTÄALUE

14 ⊕ LETTO

15 ▲ PITKÄJÄRVI

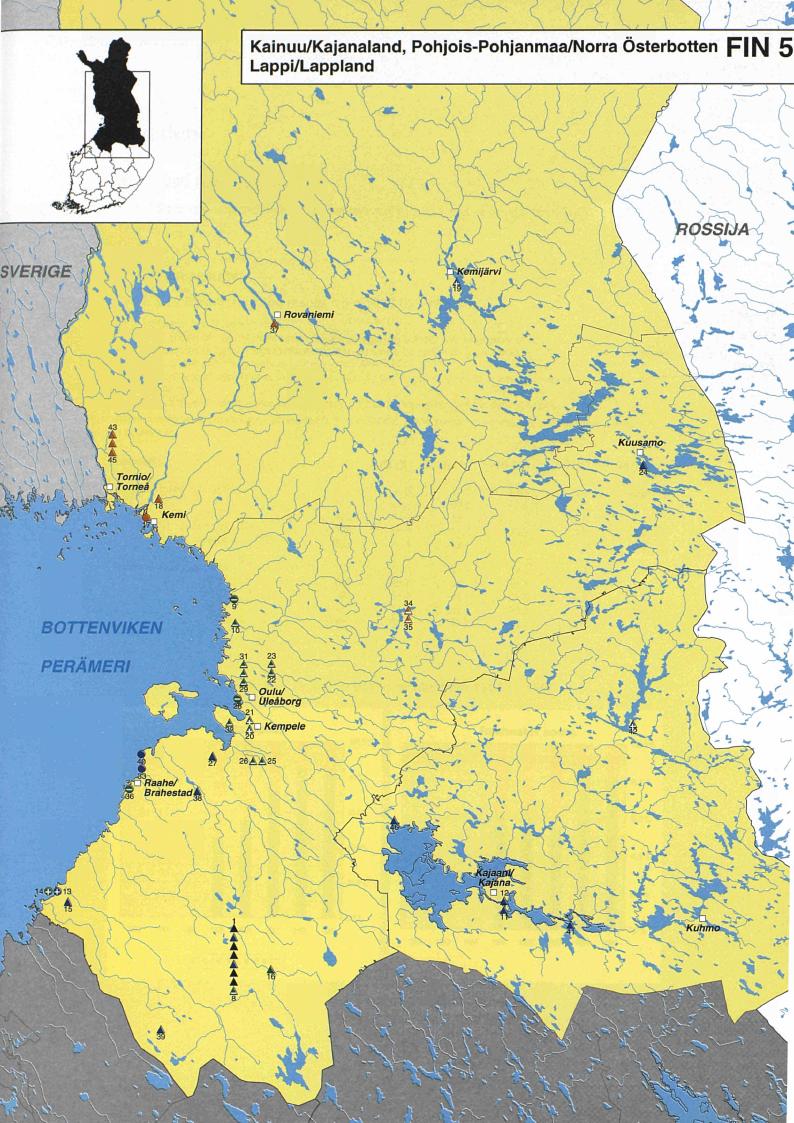
KÄRSÄMÄKI

16 ▲ LEIRIKESKUS,SRK

KEMI 17 • MANSIKKANOKKA 18 • TAKA IADVI 18 ▲ TAKAJÄRVI
KEMIJÄRVI
19 ⊕ ▲ PÖYLIÖNJÄRVI
KEMPELE 20 ⊕ ▲ KALLIOMONTTU 21 ⊕ ▲ MOURUNKIJÄRVI KIIMINKI 22 ⊝ ▲ JÄÄLIN MAJA 23 ⊝ ▲ KOSKENNISKA KUUSAMO 24 ▲ KELA LIMINKA 25 ⊝ ▲ RANTAKYLÄ

26 ⊝ ▲ TUPOS LUMIJOKI 27 A VIINAVUORI OULU

28 NALLIKARI
29 LÄMSÄNJÄRVI
30 LÄURA
31 VALKIAISJÄRVI
OULUNSALO
32 PAPINJÄRVI
PATTIJOKI
33 OLKIJOKISUU
PUDASJÄRVI
34 POHJOISRANTA
35 A ROOMURANTA
RAAHE RAAHE 36 ⊝ ● PIKKULAHTI ROVANIEMI 37 A OUNASKOSKI RUUKKI 38 A HIETAMAA SIEVI 39 ▲ MAANSYDÄNJÄRVI SIIKAJOKI 40 ● TAUVO SOTKAMO 41 A HIUKKA SUOMUSSALMI 42 + A JÄTKÄNPUISTO TORNIO 43 ▲ KIVIRANTA 44 ▲ PIKISAARI 45 ▲ UITONRANTA VAALA ▲ SAHANRANTA 46





Sweden

1. 1999 bathing season

1 to 2.5 months depending on the geographical location, but in general from 20 June to 20 August

2. Main results

Table 1 — Evolution of the results from 1995 to 1999

 Σ : total number of bathing areas;

C(I): percentage of bathing areas sufficiently sampled which comply with mandatory values;

C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

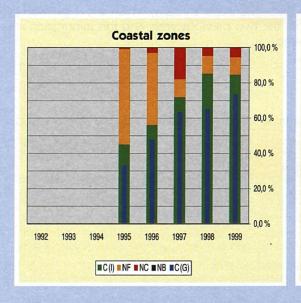
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data available):

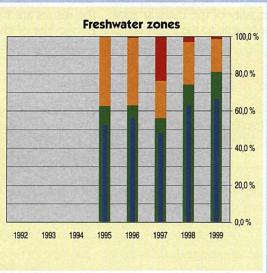
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances, and phenols.

Sweden		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1995	250	44.8	33.2	54.4	0.8	0.0
	1996 1997	391 401	55.8 71.6	47.8 63.3	42.2 10.5	2.0 18.0	0.0
	1998	378	84.9	64.8	10.3	4.8	0.0
	1999	379	84.4	73.4	10.0	5.6	0.0
Freshwater zones		352	62.3	52.3	37.4	0.3	0.0
	1996 1997	488	62.7 54.4	56.1 48.1	36.7 21.3	0.6 24.3	0.0
	1998	462	74.0	62.8	23.2	24.3	0.0
	1999	412	80.8	66.5	18.0	1.2	0.0

Figure 1 — Evolution of the results from 1995 to 1999





3. Number of bathing areas (coastal: 379; freshwater: 412)

In the coastal zones, 30 bathing areas were withdrawn and 32 new areas were taken into account for the 1999 bathing season. In the case of the freshwater zones, 74 bathing areas were withdrawn and 23 new areas were taken into account compared with the 1998 bathing season.

4. Comments

The percentage of bathing areas insufficiently sampled was relatively high, both in the coastal waters (10 %) where there was a further slight increase over the previous bathing season and in the freshwater zones where, despite a reduction of over 5 %, the figure remained particularly high (18 %). This point is particularly negative since the sampling rate is a known quantity for each bathing area and is not open to interpretation.

In the coastal zones, contrary to the conclusion which the ratio of 1.6 might suggest (see analysis of the cross-reference tables), average water quality deteriorated slightly during the 1999 bathing season. This is because the ratio takes no account of the bathing areas withdrawn, most of which had complied with the guide and/or mandatory values during the previous season, nor of the new bathing areas, many of which were insufficiently sampled. The percentage of bathing areas complying with the guide values (73.3 %) and/or mandatory values (84.5 %) rose by 8.3 % and fell by 0.6 % respectively, while the percentage not complying with the mandatory values (5.5 %) rose by almost 1.0 %.

In the freshwater zones, the opposite trend was observed: average freshwater quality improved appreciably during the 1999 bathing season, contradicting the ratio of 0.98. Once again, this takes no account of the large number of insufficiently sampled and non-complying bathing areas which were withdrawn — 8 % of the bathing areas taken into account during the 1998 bathing season — which, in conjunction with the addition of new bathing areas, most of which complied with the guide and/or mandatory values, explains this upward trend. The percentage of bathing waters complying with the guide values (66.5 %) and/or mandatory values (80.8 %) rose by 3.9 and 6.9 % respectively but remained fairly low. The percentage of bathing areas not complying with the mandatory values (1.2 %) was 1.6 % lower than in the 1998 bathing season, just as the percentage of insufficiently sampled bathing areas fell from 23.3 to 18 % during the 1999 bathing season but was still abnormally high. There were no areas where bathing was prohibited.

5. General information

The Swedish Environmental Protection Agency publishes maps annually, which show the water quality of the bathing zones. The results are from the two previous years and this information is available to the press and the public free of charge.

6. Infringement procedure

The Commission decided to issue a reasoned opinion for non-compliance with the directive and insufficient sampling.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

Coastal zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (1)	C (G)	Tot. 99
1998		30	0	0	22	38	41	277	378
NEW	32					14	1	17	32
Ban	0								0
NS	0								0
NC	18	2		y yan y	2	2	3	9	16
Freq	38	3			1	17		17	35
C (I)	76	6			12		17	41	70
C (G)	244	19			7	5	20	193	225
ot. 98	376	30	0	0	22	24	40	260	

Coastal zones (ratio = 1.6; stability = 66.3 %)

The ratio is 1.6, which reflects the fact that the average status of the bathing areas taken into account during the 1999 bathing season improved compared with the previous season. It must be stressed, however, that again over 15 % of the bathing areas failed to comply with the mandatory values or were insufficiently sampled and that, curiously, 20 bathing areas which had complied with the guide values during the 1998 bathing season were withdrawn.

The stability index is particularly low, which reflects numerous, somewhat erratic, changes from one bathing season to another. Although the ratio is greater than 1 and most of the changes recorded from one bathing season to another indicate an improvement in status, attention needs to be paid to this relative instability.

It must also be stressed that 38 bathing areas were still not sufficiently sampled. This is particularly regrettable inasmuch as the sampling rate is known for each bathing area. It is therefore unacceptable that not only were bathing areas which were insufficiently sampled during the previous bathing season still being sampled insufficiently, but also even bathing areas which were sampled correctly during the 1998 bathing season were insufficiently sampled during the 1999 season.

Freshwater zones (TC, FC, MO, SA, PHE)

	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998		74	0	0	5	74	59	274	412
NEW	23	N-4 SELF			CHARLES OF	6	2	15	23
Ban	0	GREAT.				1713 A			0
NS	0					30 A			0
NC	13	4	-		GBLIPESE A	2	3	4	9
Freq	108	34			1	54	4	15	74
C (I)	52	9			2	1	19	21	43
C (G)	290	27			2	11	31	219	263
Tot. 98	463	74	0	0	5	68	57	259	

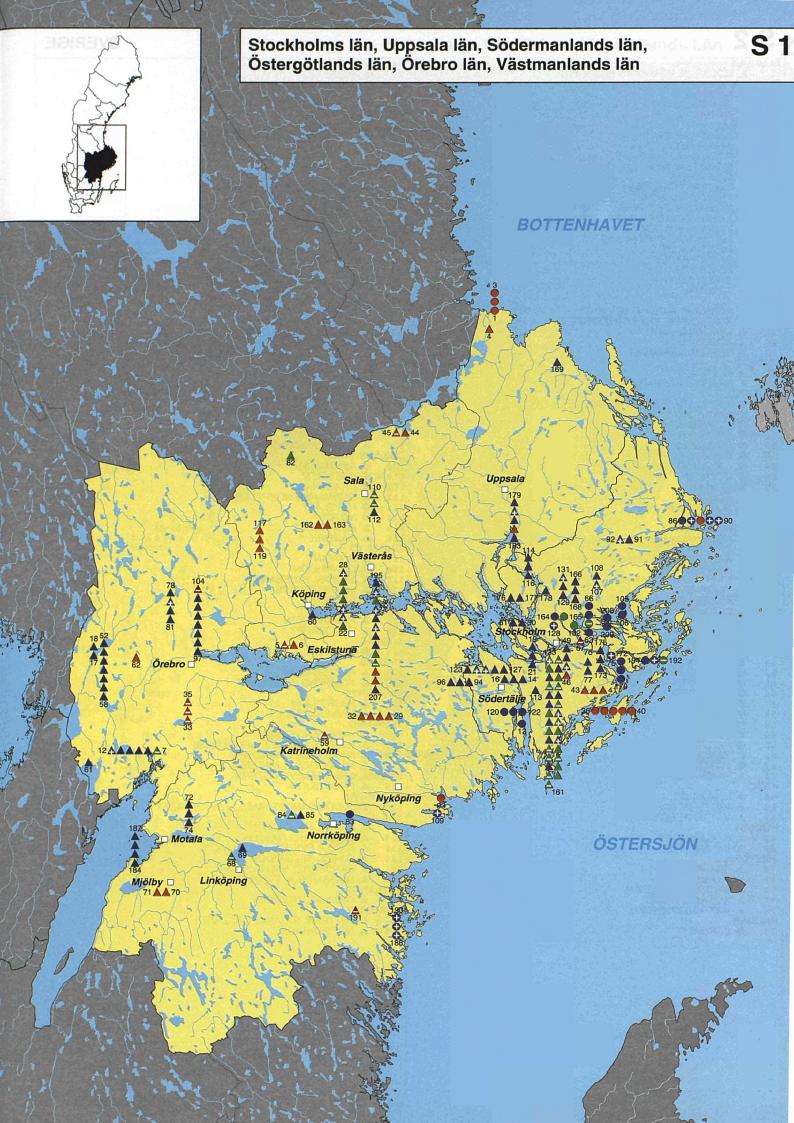
Freshwater zones (ratio = 1.0; stability = 75.1 %)

The ratio is almost 1, which reflects an even balance in the average quality of the freshwater bathing areas compared with the previous bathing season. Curiously, a large number of bathing areas which had complied with the guide values were withdrawn during the 1999 bathing season.

The stability index is 75.1 %, which is an acceptable average for freshwater zones, where it seems to be harder to maintain quality from one bathing season to another than in coastal zones.

Despite an improvement in the sampling rates recorded compared with the previous bathing season, the comments made on the coastal zones can be repeated for the freshwater zones. In particular, 74 bathing areas were still not sufficiently sampled during the 1999 bathing season.

0 1		SVERIGE
ÄLVKARLEBY 1	LINKÖPING	135 A BRUNNSVIKSBADET
1 BRÂMSAND	68 ⊝ ▲ BERG	136 ⊙ ▲ FARSTA STRANDBAD, MAGELUNGEN
2 RULLSAND	69 A SANDVIK MJÖLBY	137 A FLATENBADET ALLMÄNNA
3 ● SANDBANKARNA 4 ▲ SANDÖRENS BADPLATS	70 ▲ MÅNSJÖN	138 ▲ FLATENBADET BARN 139 ▲ HASSELBY, ALLMANNA BADET Ö
ARBOGA	71 A SKOGSJÖN	140 A HÄSSELBY, ALLMÄNNA BADET V
ARBOGA 5 ○ A HÄLLARNA VÄSTRA 6 A KVARNSJÖN ASKERSUND 7 ○ A ESTABOSJÖN 8 A HAGABADET, ALSEN	MOTALA	141 A HÖKARÄNGSBADET, DREVVIKEN
6 ▲ KVARNSJÖN	72 A STRANDBADET, BORENSBERG	142 A JOHANNESDALSBADET
ASKERSUND	73 A TJALLMO, SMAANGSBADET	143 ⊝ ▲ KAANANBADET Ö
7 ⊝ ▲ ESTABOSJON	74 A VARAMOBADEN	144 ⊕ ▲ KAANANBADET V
9 A HARGEBADEN, VÄTTERN	NACKA	145 A LÄNGHOLMEN, KLIPPBADET ÖSTER
10 A HUSABERGSUDDE, ALSEN	75 A ÄLTA FRILLIFTSRAD	146 ⊝ ▲ LÅNGHOLMEN, STRANDBADET 147 ⊝ ▲ LÅNGSJÖBADET
11 A MULTEN	77 A KÄLLTORPSSJÖN	148 ⊝ ▲ LÖVSTABADET
12 ⊕ ▲ VEDEN	NORA	149 A MÄLAREN-LILLA ESSINGEN
BOTKYRKA	78 ▲ NORASJÖN, ALNSTORPS Ö	150 A MÄLAREN-MINNEBERG
13 ● HIMMERFJÄRDEN, SANDVIKEN 14 ▲ BROTORPSBADET		
14 ▲ BROTORPSBADET	80 A NORASJON, TRANGBO CAMPING	152 A MALARHOJDSBADET V
15 A GETAREN, LIDABADET 16 A MÄLAREN, SLAGSTABADET	NOPPERC	153 © A MALTECHOLMSBADET V
DEGEREORS	82 A NOREN CAMPINGRADET	155 A SÄTRASTRANDSRADET N
7 A DEGERNÄSBADET	NORRKÖPING	156 A SÄTRASTRANDSBADET S
L8 ▲ MÖLLEBADET	83 BODAVIKEN, BRÅVIKEN	157 ⊕ ▲ SKÖNDALSBADET, DŖEVVIKEN
KERÖ	84 ⊙ ▲ MÅRÄNGSBADET	158 ▲ SMEDSUDDSBADET Ö
L9 ▲ LUNDHAGEN	85 ▲ SÖRSJÖBADET	159 ⊝ ▲ SMEDSUDDSBADET V
20 A SODRAN	NORRTALJE	160 A SOLVIKSBADET
21 A SIUCKBY	86 ASSUBADET	161 A IHEKANTEN
16	MÄI RYPADET	162 A CAMPINGRADET MACCION
23 (A) A MÄI ARRADEN	89 A RADMANSHOI MENI	163 A VIRSBORADET
24 A ÖSTERBY	90 + BADMANSÖ ÅKFRÖBADET	TÄBY
SKOGSTORPS SOMMARHEM	80 ▲ NORASJON, TRANGBO CAMPING 81 ▲ VIKERN, KÄPPSTA NORBERG 82 ▲ NOREN, CAMPINGBADET NORRKÖPING 83 ● BODAVIKEN, BRÅVIKEN 84 ← ▲ MÅRÄNGSBADET 85 ▲ SÖRSJÖBADET NORRTÄLJE 86 ● ASSÖBADET 87 ⊕ GRÄDDÖ, BJÖRKÖ ÖRN 88 ● MÄLBYBADET 89 ● RÄDMANSHOLMEN 90 ◆ RÄDMANSHOLMEN 91 ▲ GISEN 92 ◆ A LARGEN NYKÖPING 93 ● STRANDSTUGEVIKEN	164 • F2, HÄGERNÄS
26 A STORA SUNDBY	92 ⊕ ▲ LARGEN	165 • NASAANGSBADET
ABORSÖKNABADET ABORSÖKNABADET ABORSÖKNABADEN ABORSTABY ASUNDBY ASUNDBYHOLM BASSERBY ASUNDBYHOLM BASSERBY ASUNDBYHOLM BASSERBY ASUNDBYHOLM BASSERBY ASUNDBYHOLM BASSERBY ASUNDBYHOLM BASSERBY BASSERBY	92 → LANGEN NYKÖPING 93 → STRANDSTUGEVIKEN NYKVARN 94	166 ▲ ANGSHOLMSBADET
28 ⊕ ▲ VILSTA	93 STRANDSTUGEVIKEN	167 ▲ RÖSJÖBADET
FLEN	NYKVARN	168 A SKAVLÖTEN
29 A HUSJUBADET	94 A HOKMOSSENBADET	TIERP
31 A SPARREHOLMSRADET	95 A TAXINGERADET	169 A ÄNGSKÄR TYRESÖ
32 A YNGAREBADET	ÖREBRO	170 • SANDHOLMSBADET
HALLSBERG	97 ▲ ALNÄNGARNA	171 • STRANDBADET
33 ⊝ ▲ BÄCKSJÖN	98 ▲ HAMPETORP, HJÄLMAREN	172 • TRINNTORPSBADET
34 ⊝ ▲ SOTTERN	99 A JARLEAN, NORSEBACK	173 ALBYBADET
35 (a) A TISARSTRAND, CAMPINGEN	100 A KATRINELUND	174 A KUMLABADET
1ANINGE	101 A LÄNGEN	175 A ÖRINGEBADET UPPLANDS-BRO
37 ANSTA HAVSBAD	103 A SÖDRA ÅNNAROS IÖN	176 A HÄLLKANA
38 KÄLLVIKSUDD MUSKÖ	104 - A VÄSTÅPARKEN	177 A LILLSJÖN
39 O SCHWEIZERDALEN, DALARÖ	ÖSTERÅKER	UPPLANDS-VÄSBY
40 O SKÄLÅKER, GÅLÖ	105 • TRÄLHAVET, BREVIKSBADET 106 • TRÄLHAVET, ÖSTERSKÄRS HAVSBAD	178 A KAIRO
41 ▲ DREVVIKEN, DALEN	106 TRÄLHAVET, ÖSTERSKÄRS HAVSBAD	UPPSALA
12 A DREVVIKEN, VENDELSÖ GÅRD	107 DRANGSJON, DOMARUDDEN	179 A BJÖRKLINGE, LÅNGSJÖN
IS A RUDAN	108 A GARINSVINSBADET	180 ⊕ ▲ LYSSNAÄNGEN
14 ▲ ÄLVÅSA, FÄRNÖSANDSBADET	109 A A JOGERSÖ	181 ▲ RAMSEN, FJÄLLNORA 182 ▲ SIGGEFORASJÖN
15 ⊝ ▲ ÖSTA FRITID, VÄSTERUDD	SALA	183 A TREHÖRNINGEN, FJÄLLNORA
IUDDINGE	110 ⊙ ▲ MÅNS OLS BADET	VADSTENA
16 ▲ DREVVIKEN, BADUDDEN	111 ⊙ ▲ SILVKÖPARENS BAD	184 ▲ BÅRSTAD
17 ⊕ ▲ DREVVIKEN, SJÖÄNGEN	112 ▲ STÄVREBADET	185 ▲ JERNEVID
8 A FLOTTSBROBADET	SALEM	186 A TYCKLINGE
9 🛕 VÅRBYFJÄRDEN, VÅRBYBADET	113 MÖLLEBADET	187 A VATTERVIKSBADET
ÄRFÄLLA 50 ▲ GÖRVÄLNSBADET	SIGTUNA 114 ▲ ROSERSBERGSBADET	VALDEMARSVIK 188 ⊕ ● EKÖN
1 ▲ KALLHÄLLSBADET	115 A SJUDARGÅRDSBADET	189 + GRÄNNÄS
ARLSKOGA	116 A STENINGEBADET	190 ⊕ SANDGÄRDET 191 ⊝ ▲ YXNINGEN
52 ▲ MÖCKELN, ESPENÄS	SKINNSKATTEBERG	191 ⊝ ▲ YXNINGEN
53 ▲ MÖCKELN, NÄSET ÖSTRA	117 A LIENS CAMPING	VARMDO
MÖCKELN, NÄSET VÄSTRA	118 A SANDVIKSBADET	192 ⊖ ● BJÖRKVIK/BJÖRNÖ
MÖCKELN, ÖSTERVIKSBADET	119 A SKÄRSJÖN	193 ⊕ GRISSLINGE HAVSBAD
56 ▲ MÖCKELN, SANDTORPSBADET 57 ▲ MÖCKELN, SANDVIKSBADET	SÖDERTÄLJE 120	194 SODERSVED VÄSTERÅS
58 A MÖCKELN, STRANDVALLEN	121 • FARSTANÄSBADET	195 A BJÖRNÖBADET, BADBRYGGAN
CATRINEHOLM	122 • SKILJETORPSBADET	196 ⊕ ▲ BJÖRNÖBADET, BADVIKEN
59 ⊝ ▲ DJULÖSJÖN	123 ▲ BERGABADET	197 A FRAMNÄS, BADVIKEN
KÖPING	124 ⊕ ▲ MÄLARBADET	198 ⊕ ▲ FRAMNAS,BADBRYGGAN
60 ▲ MALMÖN	125 ⊕ ▲ MÅSNAREN, EKLUNDSNÄSBADET	199 🛦 HÖKÅSEN, GRUSGROPEN
-AXA	126 A NYA MALMSJÖBADET	200 ⊕ ▲ JOHANNESBERG, BADVIKEN
61 A TIVEDSBADET	127 A VIKSBERGSBADET	201 A JOHANNESBERG, SODRA BADBRYGGAN
EKEBERG 62 <u>LEKEN</u>	SOLLENTUNA 128 ⊕ ● EDSVIKEN, STRANDVÄGEN	202 ▲ KVICKSUND, SANDABADET 203 ▲ LÖVUDDEN
IDINGÖ	129 A NORRVIKEN, ROTSUNDA	204 ⊝ ▲ ÖSTRA HOLMEN, BADVIKEN
53 • FÅGELÖUDDE	130 A NORRVIKEN, TORPARÄNGEN	205 A ÖSTRA HOLMEN, VÄSTRA BADBRYGGAN
54 ⊙ • KÄPPALABADET	131 ⊕ ▲ RÖSJÖBADET	206 A SÖDRA BJÖRNÖN, ABB BRYGGAN
55 SÖDERGARN	STOCKHOLM	207 A SUNDÂNGEN
66 STICKLINGE UDDE, SANDVIKSBADET	132 • LILLA VÄRTAN, EKHAGEN	VAXHOLM
57 ⊝ ▲ BADBERGSVÄGEN, KOTTLASJÖN	133 ⊕ ▲ ANGBYBADET O	208 • ERIKSÖBADET
	134 ▲ ANGBYBADET V	209 • TENÖBADET



1 MÖCKELN, BÖKHULTS BADPLATS ÄLMHULT ▲ SJÖANÄS ▲ SPÅNEN ▲ TORNE 2 3 BORGHOLM

5 ○ BJÄRBYBADET

6 ⊕ BÖDA HAMN

7 BÖDA SAND

8 ⊕ BYRUM-SANDVIK BYHUM-SANDVIK
 DJUPVIKEN
 EKERUMS CAMPING
 FRÖNÄS-WIKEGÄRD
 KALLBADHUSET, BORGHOLM
 KÄREHAMNS BADPLATS
 KÖPINGEBUKTEN
 LUNDEGÄRDS BADPLATS 10 11 14 15 ± 16 **MEJERIVIKEN** 17 SANDBYBADET
18 SANDVIKEN
19 STORA RÖR
20 TOKENÄS **EKSJÖ** ▲ FÖRSJÖN, MOVÄNTABADET ▲ HUNSNÄSEN, PRÄSTÄNGSBADET ▲ LÅNGANÄSSJÖN 22 NORRSÅNNA GNOSJÖ SPILHAMMARBADET 26 ⊕ ▲ FLATEN 27 ▲ HÄREN (HÄREN (VÄLORNA) GOTLAND GNISVÄRD 34 35 GOTHEM 36 GRYNGE 37 GUSTAVS 38 ⊕ GUSTAVSVIK, VISBY HERTA HIDEVIKEN
 HOLMHÄLLAR
 IHREVIKEN 40 41 42 IHREVIKEN
KALLBADHUSET, VISBY
KAPPELSHAMN
KATTHAMMARSVIK
★ KNEIPPBYN
★ KVARNÅKERSHAMN
LICKERSHAMN
LJUGARN
NÄRS HAMN
♦ NISSEVIKEN
NORDFRSTRAND, VISBY 45 46 47 49 50 51 NORDERSTRAND, VISBY NORSTA AURAR SANDVIKEN, BUNGE SANDVIKEN, ÖSTERGARN 53 54 55 SJAUSTER SLITE SNÄCKVIKEN, VISBY 57 58 SUDERSAND 59 JODERSANDTOFTAVALLEVIKENVÄNDBURGENVÄSTERGARN 60 62 63 ▲ TINGSTÄDE TRÄSK 65 A FURUSJÖN
66 A VÄTTERN, BASKARP
67 A VÄTTERN, DOMSAND
HÖGSBY
68 A CÖST HOGSBY

68 ⊕ A GÖSJÖBADET

69 A VÄLENBADET

JÖNKÖPING

70 A ÄSABADET

71 ⊝ A AXAMOBADET

72 A BADLAGUN GRÄNNA

73 ⊝ A ROCKSJÖBADET

74 A VÄTTERSTRANDEN

KAI MAR

KALMAR

BERGAVIK

EKÖ ENEREVET KALMARSUNDSPARKEN 102 A GISSHULTSBADET
103 A STORESJÖN, VAREVIKSBADET
104 A UPPSJÖN, SANDSJÖBADET
NYBRO 105 ▲ CAMPINGEN LINNEASJÖN 106 ▲ ORRANÄSASJÖN 107 ⊕ ▲ RISMÅLA GÖL 108 ▲ STORE HINDSJÖN 108 ▲ STORE HINDSJÖN
OSKARSHAMN
109 ● ÅSVALLESUND
110 ⊕ BREVIKEN
111 ● DRAGSKÄR
112 ⊕ GUNNARSÖ HOPPTORN
113 ⊕ HAVSLÄTT
114 ⊕ NÖTÖ
115 ▲ BJÖRNHULT
116 ▲ RÅSSVIK
TINGSRYD TINGSRYD ▲ BLÖTAN ▲ DJUPASJÖN ▲ MÅRDSLYCKESAND ▲ MIDINGSBRÅTE 118 119 120 120 ▲ MIBINGSBAAT
121 ▲ NABBEN
122 ▲ NORRARYD
123 ▲ RÄVABACKEN
124 ▲ URSÖBADET
TORSÅS 125 ⊕ ● DALSKÄR TRANÅS 126 ▲ HÄTTEBADEN 127 ▲ SOMMENS BADPLATS 127 ▲ SOMMENS BADPL VAGGERYD 128 ▲ HJORTSJÖN 129 ⊝ ▲ LINNESJÖBADET VÄRNAMO VARNAMO

130 ▲ ANNEBERGSSJÖN

131 ▲ HJORTSJÖBADET, HELGASJÖN

132 ⊝ ▲ NÄSUDDEN Ö, HINDSEN

133 ⊝ ▲ NÄSUDDEN V, HINDSEN

134 ⊝ ▲ OSUDDEN, VIDÖSTERN

135 ▲ PROSTSJÖN

VÄSTERVIK

136 ⊕ ● JUDÖN/SANDSTRAND, LYSINGSBADET VÄXJÖ ARABY, HELGASJÖN

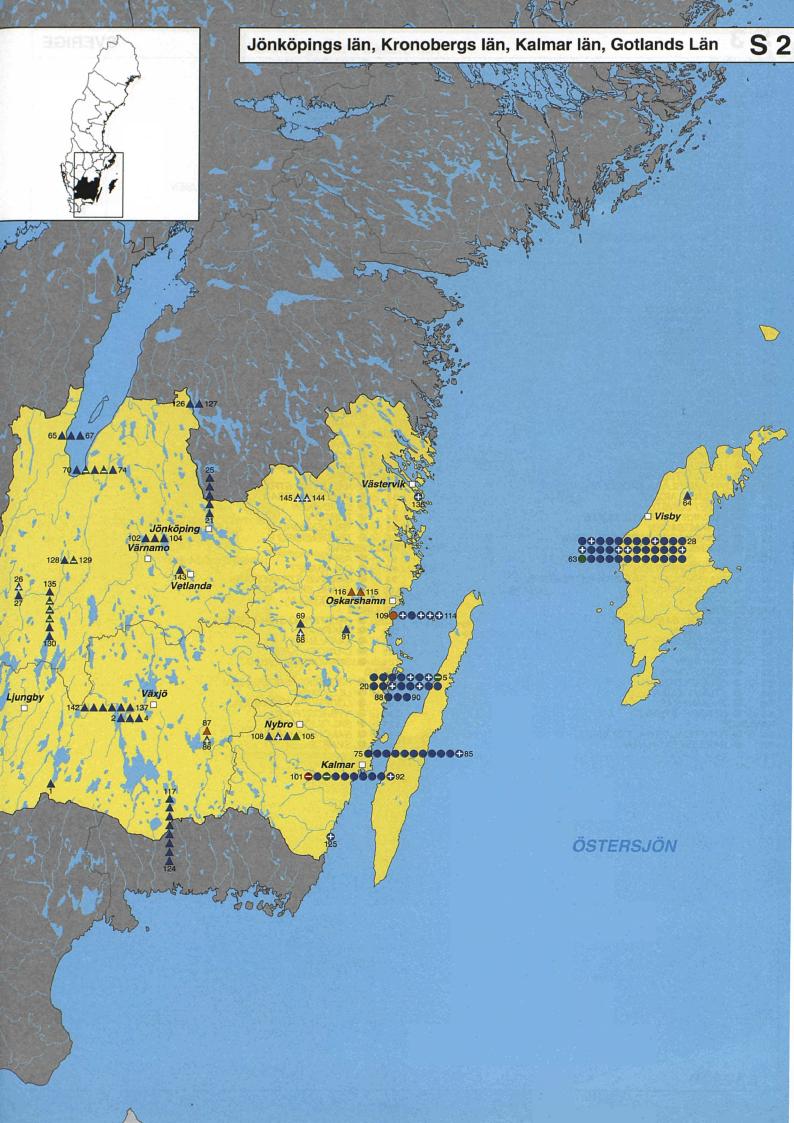
AEVEDAL, HELGASJÖN

GAMLA EVEDAL, HELGASJÖN

ÖJABY, HELGASJÖN

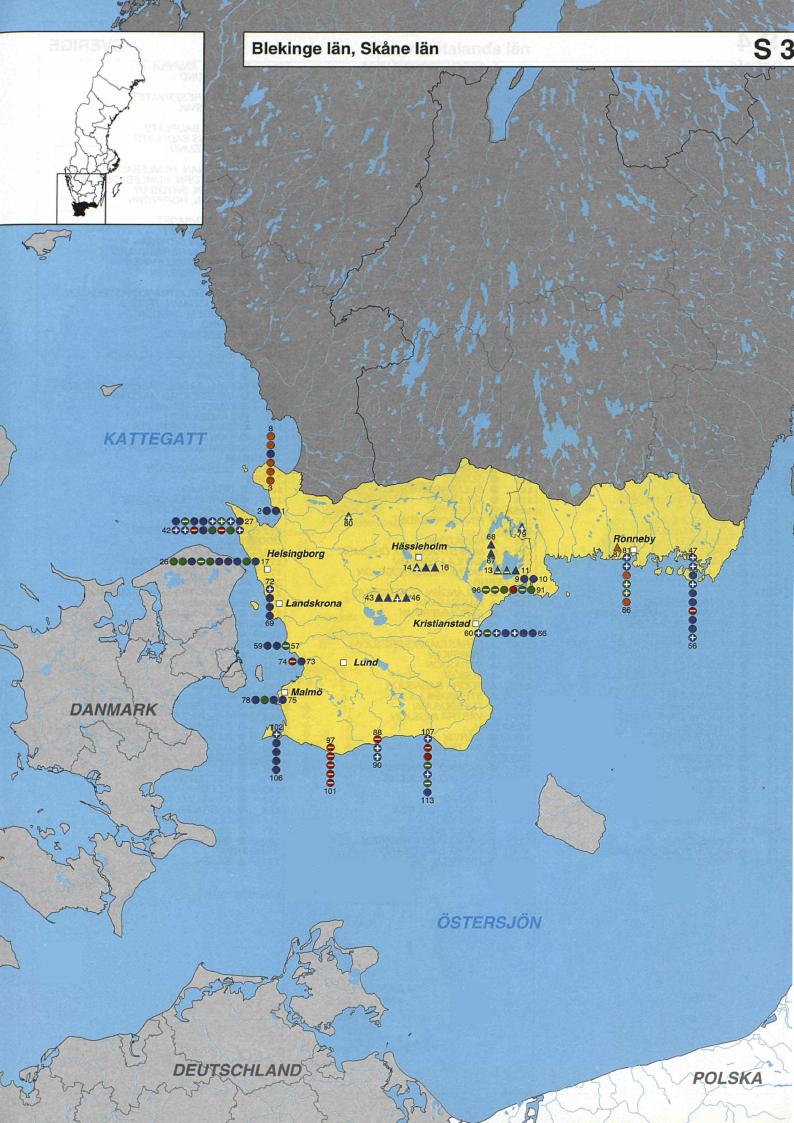
SANDSBRO, HELGASJÖN

SIKABACKEN, TORSJÖN 137 138 139 140 141 143 A ÖSTANÅ, GRUMLAN VIMMERBY **VETLANDA** 144 ⊕ ▲ JUTTERN, STJÄRNEVIKSBADET 145 ⊕ ▲ NOSSENBADET



ÄNGEL	
	RABOCKA
	VEJBYSTRAND S
BASTA	
	MALENS HAVSBAD
	MORGONBRYGGAN, TOREKOVS HAMN
5	SEGELSTORPS STRAND
6	SKANSENBADET, BÅSTAD HAMN
7	STORAHULTS STRAND TOREKOVS STRAND
8 9	TOREKOVS STRAND
BROMÖ	
	EDENRYDS BADPLATS
10	VALJEBADET
11	KORSHOLMEN, IVÖSJÖN
12 🔾	RÅBYBADET
	STRANDÂNGEN
HASSLE	
	BJÖRKVIKEN, FINJASJÖN
	BOSARPSSJON
	LUHRSJON
HELSIN	
	DOMSTEN
18	
19	HITTARP
	KALLBADHUSET
21	
	ORBY ANGAR
23 🖯) PARAPETEN) RÅÅ VALLAR
24	RAA VALLAR
25	RYDEBACK
26	RYDEBÄCK VIKINGSTRAND
HOGAN	AS
	FÅGELVIKEN, MÖLLE
28 ⊕ €	
	GRÄSA BRYGGA, VIKEN
	HAMNPIREN LERBERGET
	HAMNPIREN, LERHAMN
32	KALLBADHUSET, ARILD
	KVICKBADET
34	
	MARGRETEBERG
	NYHAMNSLAGE BADPLATS
37 ⊖	RANSVIK, MOLLE
	REVET JONSTORP
39	
40 🔾	
	SVANEBACKS BADPLATS, VIKEN
42 ±	VIKENS HAVSBAD
HÖÖR	DACCTORREGIÖN
43 A	∆ DAGSTORPSSJÖN ∆ Ö:A, RINGSJÖN, SÄTOFTA BÅTPLATS
	TJÖRNARPSSJÖN
KARLS	
	DRAGSÖ BARNBADVIK
48 +	
49	
50 +	SALTÖ
51	SENOREN
52	SKÖNSTAVIK
53 \odot	STUDENTVIKEN
54	STUMHOLMEN
	TRUMMENÄS
55 56 ⊕	
KÄVLIN	
57 O	BARSEBÄCKS SALTSJÖBAD
58	BARSEBÄCKSHAMN
30	D. II IOLDAOROI IAMIN

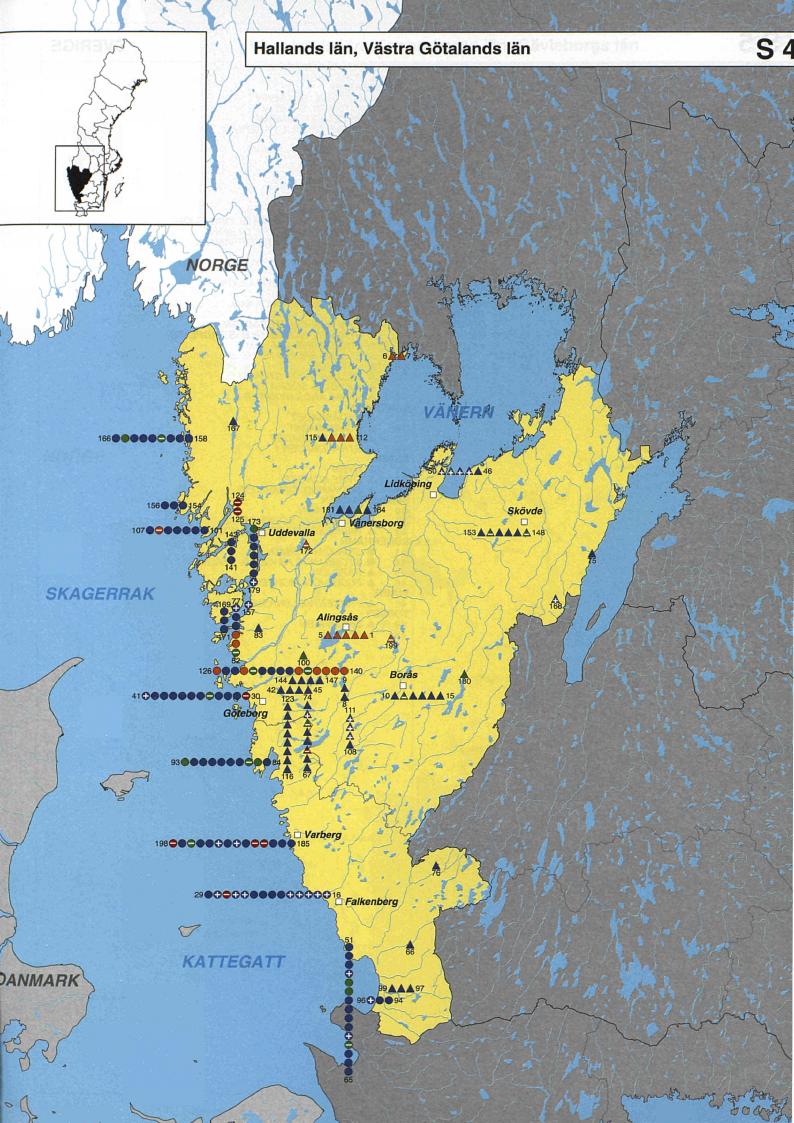
	VIKHÖGS HAMN
KRISTIA	
	FRISEBODA
	NYEHUSEN
	REVHAKEN
	RIGELEJE
64 ⊕ ●	SNICKARHAKEN
65 6 6	TÄPPET YNGSJÖ
	BALSBY
LANDSK	PONA
	CAMPINGPLATSEN, BORSTAHUSEN
70	KYRKBACKEN
71	LILL-OLAS BRYGGA
	PIREN. BORSTAHUSEN
LOMMA	
	LÅNGA BRYGGAN
74 🗇	NORRA BADPLATSEN
MALMÖ	
75	
	KLAGSHAMNS BADPLATS
	SIBBARP, BARNVIKEN
78	SIBBARPS KALLBADHUS
OLOFST	RÖM
79 ⊕ ▲	HALEN
ÖRKELL	
80 +	HJÄLMSJÖN,MAMMAS VIK
RONNE	
	EKENAS
82 🕀 🌑	
	KARÖN
	MILLEGARNE
	SAXEMARA INRE
	HARSTORPSSJON
SKURUF	
	BINGSMARKEN
89 🕀	MOSSBY MOSSBYSTRAND
SÖLVES	
	HÄLLEVIKS STRAND
	NORJE HAVSBAD
93	SANDVIKEN
94	TORSÖ V.
95 ⊖ ●	
	TREDENBORG V
TRELLE	
	ÄSPÖ
98 🖯 🌑	DALABADET
99 🖯 🌑	GISLÖVS STRANDMARK
100 🗇 🌑	SKÅRE SKANSAR
101 🖯 🜑	SKATEHOLM
VELLING	
102 🕀 🛡	FALSTERBO STRANDBAD
103	KAMPINGE
	KANALBADET
105	LJUNGSKOGEN
	SKANÖRS HAVSBAD
YSTAD	EDEDDIKEDEDGEVÄGEN
107 🕀) FREDRIKSBERGSVÄGEN
108 🖯) LILLESKOG) LÖDERUPS STRANDBAD
109	NYBROSTRAND
111 +	SALTSJÖBADEN
112 🗇	SANDHAMMAREN
113	SVARTE
113	OVALLE



	S 4	•	
	ALINGS	AS SOLITORIAN	70 🛦 🤆
		GRÄFSNÄS SLOTTSPARK INGAREDS BADPLATS	71 ▲ F
		LÖVEKULLE CAMPING LYGNAREDS CAMPING	73 ⊕ ▲ F
	.5 . 🔺	PLAYA MJÖRN	HJO
	AMAL 6	ÖRNÄS I RESTAURANGVIKEN	75 ▲ 6 HYLTE
	7	ÖRNÄS VID SIMSTADION	76 ▲ S KUNGÄLV
	BOLLEB	Ö:A NEDSJÖN, TUBBARED	77 ⊕ ■ L
	9 BORÅS	V:A NEDSJÖN, NEDFLO	78 • A
	10	ÖRESJÖ, ALMENÄS	80 🔘 🖊
	12	ÖRESJÖ, ASKLANDA SÄVEN-TÄMTA	81 9 F 82 9 5
	12 A 13 A 14 A 15 A	STORA DALSJÖN, DALSJÖFORS STORA HÅLSJÖN, BUA	83 ▲ // KUNGSBA
	15	VIAREDSSJÖN, SJÖMARKEN	04
	FALKEN	HANSAGÅRD	85
	17 🕀 🜑	KALLE OTTOS VÄG LÅNGASAND	87 0 5
	19 💮	OLOFSBO N OLOFSBO S	89 0 7
	20 ① ①	OLOFSBO S RINGSEGÅRD/SKREA STRAND N	90 😈 /
	22	RINGSEGÅRD/SKREA STRAND N ROSENDALS HAVSBAD SKREA CABARE SKREA N - BRYGGAN	92 0 V
	24	SKREA N - BRYGGAN	93 • V
	25 (+)	STAFSINGE STRANDEN	94 E
	27 💮	STENSJÖ BADPLATS UGGLARPS CAMPING NORRA	95 • E
	28 + • • • • • • • • • • • • • • • • • •	UGGLARPS CAMPING SÖDRA VEKA	97 A E
	GÖTEBO	PRG ASKIMSBADET	99 ▲ C
	31	BILLDAL	100 A A
	32 • 33 •	FISKEBÄCK HÄSTEVIK	101 • F
	24 (HOVÅSBADET	102 OF
	36	LILLEBY SALTHOLMEN	103 0 C
	37	SALTSJÖNÄS (NÄSET) SILLVIK	105
	39	SMITHSKA UDDEN	107 • F
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	42	BERGSJÖN HÄRLANDA TJÄRN LILLA DELSJÖN STORA DELSJÖN	109 ⊕ ▲ A 110 ⊕ ▲ S
	44	LILLA DELSJÖN	111 ⊕ ▲ 5
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	46	BJÖRKULLESAND VÄNERN, ÅRNAS JUTAVIKEN	113 🔺 🐧
	48 🕀 🔺	VANERN, BLOMBERG	115 A V
	49 ⊕ ▲	VÄNERN, KÄLLBY VÄNERN, KINNEKULLE CAMPING	MÖLNDAL 116 ▲ F
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	57	HAGÖNS CAMPINGPLATS HAVERDAL	MUNKEDA
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	60	RINGENÄS	ÖCKERÖ
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	63 • 64 •	TYLÖBÄCK TYLÖSAND	128 • F 129 • C
	65	VILSHÄRAD _	130 @ #
	HÄRRYD	BREAREDSSJÖN DA	131 • F
	67 A	GINGSJÖN GRÖEN KOMMUNALBADET	133 • H
The second second		GRÖEN PÅLEN	135 0 F
j			

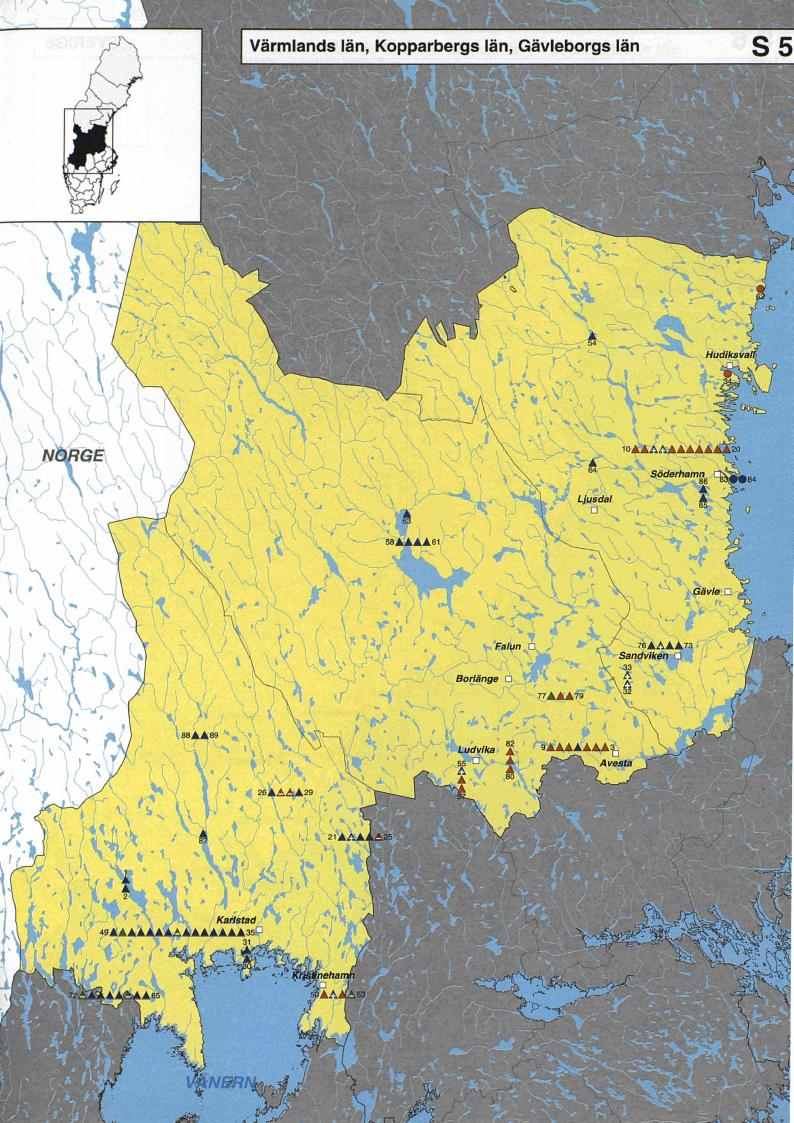
70	▲ GRÓEN-FRÓKENS UDDE
11	▲ HORNASJÖN ▲ RADASJÖN
73 ⊕	A RAMMSJON
74 HJO	▲ VASTRA NEDSJON
75	▲ GULDKROKEN
HYLTI 76	E ▲ SKÄRSHULTS CAMPING
KUNG	ÄLV "
77 ⊕ 78	 LÖKEBERG MARSTRAND CAMPING
79	MARSTRAND STRANDVERKET
80	NORDÔN
81 82 ⊝	RÖRTÄNGENSUNDHAMMAR VIK
83	▲ INGETORPSSJÖN
	SBACKA ● GÅRDA BRYGGA
85	LERKIL
86 ⊖ 87	SÄRÖ VÄSTERSKOGSMARHOLMEN
88	SORVIK
89	TJOLÖHOLM TORSTENSVIK
90 91	UTHOLMEN-GOTTSKÄR
92	VALLDA SANDO
93 LAHO	VALLERSVIK
94	BIRGER PERS VÄG
95 96 ①	EJDERVÄGENSIMVÄGEN
97	▲ BJÖRSJÖN
98 99	▲ GATESSJON ▲ GLÄNNINGE SJÖ
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100 LYSEI	▲ ASPEN
101	FISKEBÄCKSKILS BADPLATS
102	FISKEBACKSVIK
103 104	● GOVIK ● GULLMARSBADEN
105	● KOLLERÖD
106 G	LÄNGEVIK PINNEVIKSBADET
MARK	
108 109 (+)	▲ HANATORP ▲ MOS STRAND Ö:A ÖRESJÖN
110 \oplus	▲ SATILA LYGNERN
MELL	▲ SKENE HEDGARDESJÓN FRUD
112	▲ ÅKLÅNGEN, SUNDSERUD ▲ NÄS SANNAR ▲ STRÖMMERSVIK
113 114	▲ NAS SANNAR ▲ STRÖMMERSVIK
115	▲ VITA SANNAR
MOLN	IDAL ▲ FÄRÅSTJÄRN(BERGSJÖN)
116 117	▲ HORSIKAN
118	▲ RÅDASJÖN
119 120	▲ SISJÖN ▲ SÖDRA BARNSJÖN
121	▲ STENSJÖN "
122 123	▲ TULEBOSJON ▲ VÄSTRA INGSJÖN
MUNK	(EDAL
124 ⊖ 125 ⊝	● GÁRVIK ● SALTKÄLLAN
ÖCKE	RÖ
126 127	BJÖRKÖ, TIMMERVIKEN BJÖRKÖ, TROLLVIK
128	● FOTO
129 130 ⊝	● GRÖTÖ● HÄLSÖ, TJOLMEN
131	ALIAI VIK
132	HONO, HÄSTEN
133 134	HÖNÖ, HÄSTEN HÖNÖ, JUNGFRUVIKEN HÖNÖ, LAPPOSAND
135	HYPPÉLN

		SVE	HIG
	137 138	KALVSUND RÖRÖ	
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1	140	SALTASVIK	
	ORU	● ELLÖS BADPLATS	
	142	HENANS BADPLATS	
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ļ	PAR	TILLE	
	144	▲ BRYGGAN, HUMLEBADET ▲ HOPPTORN, HUMLEBADET	
	145 146 147	▲ KĄSJÖN, BRYGGAN	
ı		= 10100011, 11011 10111	
	SKO	VDE ⊝ ≜ LÅNGENBADET	
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	150	▲ SIMSJÖN BRYGGAN	
	151	▲ SIMSJÖN HERREKVARN ∋ ▲ SIMSJÖN VILLEVIKEN	
	153		
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	154	HUNNEBOSTRAND HASTEDA	LEN
	155 156	KUNGSHAMN, TANGENSMÖGEN, SANDÖN	
	STEN	NUNGSUND	
	157 (⊕ © STENUNGSÖN	
	158	■ BADHOLMEN, FJÄLLBACKA	
	159	BOVIKEN	
	160	● EDSVÍK ⊝ ● FJÄLLBACKA, SÄLVIKS BADPI	
	161	FJALLBACKA, SALVIKS BADPI CREBBESTAD, ANKDAMMEN	LATS
	162 163	 GREBBESTAD, ANKDAMMEN HAMBURGSUND 	
	164	LÄNGEKÄRR	
	165	SANNAS BADPLATS	
	166	▲ SUNDSHULTS BADPLATS	
	TIDA	HOLM	
		⊕ ▲ LILLA HAVSSJÖN	
	TJOF 169		
	170	■ KÅREVIKS BADPLATS	
	171	● LÅKA BADPLATS	
		LLHATTAN ⊝ ▲ <i>ÖRESJÖ, PHOENIX</i>	
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	173	BODELE	
	174 175 176	FOSSENS CAMPING HAFSTENS CAMPING	
	176	• LINDESNÄS	
	177	LYCKORNA KUNGSPARKENSAXENHOF	
	178	● SAXENHOF • • UNDA CAMPING	
	ULRI	ICEHAMN	
		▲ ÅSUNDEN PRÅNGEN	
	181	ERSBORG A GARDESANNA	
	182	▲ NORDKROKEN	
	183	▲ SIKHALL	
	184 VAR	▲ URSAND BERG	
	185	APELVIKEN 1	
	186	APELVIKEN 2	
	187	● BARNENS BADSTRAND⊝ ● BJÖRKÄNG	
	188	⊝ ● DJUPA DRĂKT	
	190	ESPEVIK	
	191	⊕ GETTERÖN 1:A VIK● GETTERÖN 4:E VIK	
	193		
	194	KARRADAL NORRA(1)	
	195	● KÄRRADAL SÖDRA(2) ⊝ ● LILLA APELVIKEN	
	196	SKARPENORD	
	198	⊝ ● TRASLOVSLAGE	
		GÅRDA	
	199	⊝ ▲ SAVEN	



4 7 9	
ARVIKA	Not would be the second of the second second
1	GLAFSFJORDEN, INGESTRAND
2	GLAFSFJORDEN, KÖRSELVIKEN
AVESTA	
	FALKUDDEN .
	HALSJÖN
	LILLSJÖN
	NÄVDEN
	SANDVIKABADET
8	
9 👗	UTSUNDSBADET
BOLLNA	D IÖDIZT IÄDAT IÄDN
	BJORKTJARATJARN
	GALVEN
	KARLSLUND
13 ⊕ ▲	NÄSET
14	ORBADEŅ
	PRÄSTNÄSET
	RENGSJÖ, SKIDTJÄRN
	SKAJET
18	SKEPPSTAN
19	UNDERSVIK
20	VEVLINGE
FILIPST	AD
	DJUPRÄMMEN NORRA
22 ⊕ ▲	LESJÖBYN
23	NYKROPPA
24	SANDVIKEN
25 ⊖ ▲	TALLUDDEN
HAGEOF	RS
26	LIDSJÖN, LIDSBRON RADASJÖN, RADASTRAND
27 ⊖ ▲	RÅDASJÖN, RÅDASTRAND
28 (-)	RÅDASJÖN, UDDEHOLM
	UVÅN, GATABADET
HAMMAI	
	VÄNERN, GETINGBERGET
	VÄNERN, MÖRUDDEN
HOFORS	
	EDSKEN
	MALMJÄRN
33 ⊕ ▲ HUDIKS	
	MALNBADEN
KARLST	
	ALSTER
36	ÄLVSBACKA
	BOMSTAD
	GRANINGEBADET
	ILANDATJARN
	KILLSTABADET
	KROPPKÄRRSSJÖN
	KUNGSNAS
	MANGENBADET
	MARIEBERGSSKOGEN
	ÖRSHOLMSTJÄRN
46	SKUTBERGET
47	SÖDRA MOSAREN

48	. 🛦	SUNDSTATJÄRN
49		TORSVIKEN
		EHAMN
50	_	GOTTBOL, SKAGERN
51	(+)	JUTVIKEN, VÄŅERN
52		REVSAND I, VANERN
		SKYMNINGEN II, VÄNERN
LJU	SDA	L
54		NOREBADET, VÄXNAN
LUD	VIK	A JOARNIO
55	(+)	JÄGARNÄS
56		KYRKVIKEN
57		SKUTHAMN
MOF		Andoino ou un
58		ÅMÅSÄNG, SILJAN
59		KRÅKBERGS BADPLATS, ORSASJÖN
60		LEFSNAS BADPLATS, SILJAN
61		VAMHUS BADPLATS, ORSASJON
		NSTIG
62		SÖRFJÄRDEN
ORS		CTRANDRADET ORGAGIÖN
63		STRANDBADET, ORSASJON
OVA		
64		KVARNSVEDEN, VOXNAN
SAF	LLE	BYÄLVEN, KÄLLARBACKEN
65		BYÄLVEN, KALLAHBACKEN BYÄLVEN, SANDBACKENS BADPLATS
66		DIALVEN, SANDBACKENS BADPLAIS
67		DUSE KLÍPPBAD
68		ELDANS BADPLATS
69	· 🛖	GETEBOL
70		MELLAN SVAN, STRAND
71		SJÖNSJÖ, SÖDRA ED
72 SAN		VÄRMLANDS NYSÄTER
	DAII	HEDÅSBADET
73	- 7	HÖCRORADET
74		HÖGBOBADET
		SÖRTUTTSBADET
76		STRANDBADEN I
SAT		LIVEN
77		HYEN ÖVBE KLINGEN
78		OVRE KLINGEN
79 CME		SOLVARBO, DAMMSJÖN
		BACKEN
80	-	GLADTJARN
81	-	HAGUDDEN, SÖDERBÄRKE
82	EDI	RISINGSBO BADPLATS, KOLBÄCKSÅN
		HAMN
83		STENO HAVSBAD
84	_	STORSANDS HAVSBAD, STÅLNÄS
85		FÄRSJÖN FLORSJÖN MOHED
86		FLORSJÖN, MOHED
SUN	INE	FRYKEN, KOLSNÄSUDDEN
87 TOP	SBY	FITTEN, NOLONAGUDDEN
	SDY	BREDVIKEN
88	-	NÖTÖN
89		NÖTÖN



ÅNGE
1 ▲ STORSAND
BJURHOLM
2 ANGSJÖNS CAMPING
BODEN
3 ▲ ALDERSJÖN
HAPARANDA
4 ⊝ ■ TROMSÖVIKEN
5 ○ ▲ KARSIKKOJÄRVI
KALIX
6 ⊝ FREVISÖRENS HAVSBAD
7 O STORÖNS BADPLATS
8 ⊝ ▲ BJUMISTRÄSK
LULEÅ
9 GYLTZAUDDEN
10 KÄNGSÖN, RÅNEÅ
11 O LULSUNDÉT
12 ULVIKSBADET
13 RÖRBÄCKEN
14 A STORSAND
15 A TROLLTJÄRN
ÖRNSKÖLDSVIK
16 A CHILLYING HAVEDAD

17 ⊕ NYÁNGETS HAVSBAD
18 ● SALUSANDS HAVSBAD
19 ⊕ ▲ LOMSJÖNS BAD
PITEÅ
20 ● ANKARSKATAN
21 ● BONDÖFJÄRDEN, GLÄNTAN
22 ● HEMLUNDA
23 ● HEMLUNDA, FURUHOLMEN
24 ● NORRSTRANDSBADET
25 ● ÖJEBYN, HAMNVIKEN
26 ● PITE HAVSBAD
27 ● SANDÖN, BORGARUDDEN
SUNDSVALL
28 ● BÄNKÅSVIKEN, ALNÖ
29 ⊕ ● BERGAFJÄRDEN, NJURUNDA
30 ● FLÄSIAN NO
31 ● FLÄSIAN NO
31 ● FLÄSIAN NO
32 ● HARTUNGVIKEN, ALNÖ
33 ● SLÄDAVIKEN, ALNÖ
34 ● TRANVIKEN, ALNÖ
35 ● BETTNESAND
36 ▲ NYDALA



Vastemporianda lén Jamilanda inn. Visterbelgans las Notibelitations las

United Kingdom

1999 bathing season

England and Wales: 15 May to 30 September Scotland and Northern Ireland: 1 June to 15 September Gibraltar: 15 April to 30 October

2. Main results

Table 1 — Evolution of the results from 1992 to 1999

 Σ : total number of bathing areas; C (I): percentage of bathing areas sufficiently sampled which comply with mandatory values; C (G): percentage of bathing areas sufficiently sampled which comply with guide values;

NF : percentage of bathing areas insufficiently sampled;

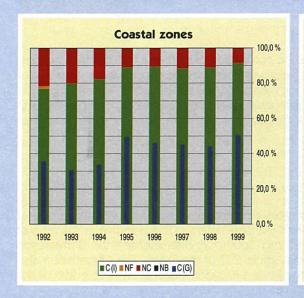
NC : percentage of bathing areas which do not comply with mandatory values or which are not sampled (or no data

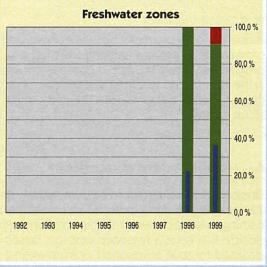
NB : percentage of points where bathing was prohibited for the duration of the bathing season.

Parameters for which compliance is calculated: total coliforms, faecal coliforms, mineral oils, surface-active substances, and phenols.

United Kingdom		Σ	C (I) (%)	C (G) (%)	NF (%)	NC (%)	NB (%)
Coastal zones	1992	455	77.1	35.6	1.3	21.5	0.0
	1993	457	79.9	30.6	0.0	20.1	0.0
	1994	457	82.3	33.7	0.0	17.7	0.0
	1995	464	89.0	49.6	0.0	11.0	0.0
	1996	472	89.4	46.0	0.0	10.6	0.0
	1997	486	88.3	43.4	0.0	11.7	0.0
	1998	496	88.7	44.2	0.0	11.3	0.0
	1999	541	91.5	50.5	0.0	8.5	0.0
Freshwater zones	1998	9	100.0	22.2	0.0	0.0	0.0
	1999	11	90.9	36.4	0.0	9.1	0.0
Gibraltar — Coastal zones	1992	6	100.0	100.0	0.0	0.0	0.0
	1993	6	100.0	100.0	0.0	0.0	0.0
	1994	6	100.0	100.0	0.0	0.0	0.0
	1995	6	100.0	100.0	0.0	0.0	0.0
	1996	6	100.0	100.0	0.0	0.0	0.0
	1997	6	100.0	50.0	0.0	0.0	0.0
	1998	6	100.0	50.0	0.0	0.0	0.0
	1999	6	100.0	50.0	0.0	0.0	0.0

Figure 1 — Evolution of the results from 1992 to 1999





3. Number of bathing areas (coastal: 547; freshwater: 11)

In the case of the coastal zones, 41 new bathing areas were added for the 1999 bathing season and 2 were withdrawn. Two new freshwater bathing areas were added. This was the second year in succession that the United Kingdom took account of freshwater bathing areas.

As in previous bathing seasons, Gibraltar took account of six coastal bathing areas.

4. Comments

In the coastal zones, the results indicated an appreciable improvement in average bathing water quality. The percentage of bathing areas complying with the guide values (50.5 %) and/or mandatory values (91.4 %) rose by 6.3 and 2.7 % respectively. However, the percentage of bathing areas complying with the guide values was still fairly low and should be improved. The percentage of bathing areas not complying with the mandatory values in turn fell by 2.7 % to 8.6 % in the 1999 bathing season. As in previous bathing seasons, no bathing area was insufficiently sampled and there were no areas where bathing was prohibited.

The average quality of the freshwater bathing areas seems to have fallen slightly, but this trend must be put into the context of the small number of bathing areas taken into account during this bathing season. The percentage of bathing areas complying with the mandatory values, which had been 100 % during the previous bathing season, slipped back to 90.9 % during the 1999 season. This was the result of deterioration in one bathing area which had complied with the mandatory values in the 1998 bathing season but no longer complied (see analysis of the cross-reference tables). This accounted for 9.1 % of the bathing areas failing to comply with the mandatory values during the 1999 bathing season. The percentage of bathing areas complying with the stricter guide values rose by 14.2 % to 36.4 % for the 1999 bathing season. No bathing area was insufficiently sampled and there were no areas where bathing was prohibited.

The six bathing areas in Gibraltar all complied with the mandatory values (100 %) but only three (50 %) also complied with the stricter guide values.

5. General information

Public information

The updated coliform results for each bathing area in the United Kingdom are posted for consultation. Full information on bathing water monitoring is available to the public from the registers kept by the competent authorities. Detailed summaries, plus information on the trends and improvement schemes, are published annually.

The Environment Agency, the Scottish Environmental Protection Agency and the Environment and Heritage Agency for Northern Ireland each have websites providing up-to-date results for each bathing area during the bathing season.

Wastewater treatment

A number of improvement schemes have yet to be completed as part of a GBP 2 billion national programme to improve bathing water quality. The government has also approved another major programme to take the rate of compliance with the mandatory values laid down for bathing water in the directive up to 97 % by 2005, combined with a significant improvement in compliance with the associated guide values. The programme includes improvement of a substantial number of storm basins.

6. Infringement procedure

Since the United Kingdom has yet to take the measures required to comply with the Court of Justice's 1993 judgment on failure to comply with the parameters in the directive in the case of bathing waters between Blackpool (Lancashire) and Southport (Merseyside), the Commission decided to issue a reasoned opinion, based on Article 228 of the Treaty. The Commission also decided to issue a reasoned opinion against the United Kingdom, based on Article 226 of the Treaty, for incorrect implementation of the directive.

7. Analysis of the changes

Table 2 — Cross-reference table (bathing season 1998 and 1999)

y booms	1999	DEL	Ban	NS	NC	Freq	C (I)	C (G)	Tot. 99
1998	5. 16.10 (APP) (A	2	0	0	46	0	222	273	541
NEW	41	to have		7	4		13	24	41
Ban	0	일: 설심·							0
NS	0								0
NC	56	1	and the second		19		30	6	55
Freq	0								0
C (I)	224	1			19		135	69	223
C (G)	222				4		44	174	222
Tot. 98	502	2	0	0	42	0	209	249	

Coastal zones (TC, FC, MO, SA, PHE)

Coastal zones (ratio = 1.6; stability = 65.6 %)

The ratio is 1.6, which shows that the average status of the bathing areas improved from one bathing season to another. Also, 37 new bathing areas complying with the mandatory and; or guide values were taken into account for the 1999 bathing season.

The stability index is particularly low considering that it seems to be easier to maintain quality from one bathing season to another in coastal waters than in freshwater zones. This reflects numerous, somewhat erratic, changes from one bathing season to another. Although the ratio is over 1 and most of the changes recorded from one bathing season to another were signs of an improvement in status, attention needs to be paid to this relative instability. In particular, it could suggest problems and certain imperfections with maintaining the quality of the coastal bathing areas.

Freshwater zones (TC, FC, MO, SA, PHE) 1999 DEL Ban NS C (1) C (G) Tot. 99 Freq 1998 0 0 0 0 6 11 NEW 2 2 9 0 0 Ban NS 0 0 0 0 NC 0 0 Freq 7 4 2 C (1) 1 7 2 2 C (G) 2 Tot. 98 9 0 0 4 4

Freshwater zones (ratio = 2.0; stability = 66.7 %)

The ratio is 2.0, which reflects a marked improvement in the average quality of the freshwater bathing areas compared with the previous bathing season. As in the case of coastal waters, the stability index is fairly low, but it is coupled with a high ratio, which cancels out any negative trend. However, neither the ratio nor the stability index are of any real interest, given the particularly small number of bathing areas concerned.

Two new bathing areas were taken into account for the 1999 bathing season, both of them complying with the mandatory values laid down by the directive. Of the seven bathing areas complying with the mandatory values during the previous bathing season, two were also brought into line with the guide values during the 1999 season, while one area ceased to comply with the mandatory values (whereas none had failed to comply during the 1998 bathing season).

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LLANDUDNO NORTH SHORE
79  LLANDUDNO NORTH SHORE
LLANDUDNO WEST SHORE
        82  LYDSTEP
MANORBIER
83  MANORBIER
MARLOES
84  MARLOES
MORFA BYCHAN
85  MORFA BYCHAN
85  MORFA DINLLE
86  MORFA DINLLE
NEWGALE
87  NEWGALE
87  NEWGALE
NEWPORT
88  NEWPORT
89  NEWOUAY HARBOUR
NORTH CORNWALL
90  BUDE CROOKLETS
91  BUDE SANDY MOUTH
92  BUDE SUMMERLEAZE
93  CONSTANTINE BAY
94  DAYMER BAY
95  MOTHER IVEY'S BAY
97  POLZEATH
98  PORTHCOTHAN
99  ROCK
100  TREVONE BAY
101  TREYARNON BAY
102  WIDEMOUTH SAND
NORTH DEVON
NORTH DEVON
NORTH DEVON
NORTH DEVON
NORTH DEVON
BARRICANE BAY, WOO

B BARRICANE BAY, WOO
101 TREYARNON BAY
102 WIDEMOUTH SAND
NORTH DEVON
103 BARRICANE BAY, WOOLACOMBE
104 COMBE MARTIN
105 CROYDE BAY
106 ILFRACOMBE CAPSTONE (WILDERSMOUTH)
107 ILFRACOMBE TUNNELS BEACH
109 INSTOW
110 LYNMOUTH
111 OS AUNTON SANDS
112 WOOLACOMBE PUTSBOROUGH
113 WOOLACOMBE VILLAGE
OXWICH BAY
114 OXWICH BAY
PEMBREY
PENDINE
115 PENDINE
116 PENDINE
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116 PENDINE
PENMAENMAWR
117 PENMAENMAWR
PENWITH
118 CARPIC SWEET
   132  PLYMOUTH HOE EAST
133  PLYMOUTH HOE WEST
POOLE
134  POOLE HARBOUR LAKE
135  POOLE HARBOUR SANDBANKS
136  POOLE HARBOUR SANDBANKS
137  POOLE SANDBANKS CAR PARK
138  POOLE SANDBANKS CAR PARK
138  POOLE SANDBANKS
139  POPPIT SANDS
PORT EYNON BAY
140  PORT EYNON BAY
PORTH DAFARCH
141  PRESTATYN
142  PRESTATYN
142  PRESTATYN
144  DURDLE DOOR EAST
144  DURDLE DOOR WEST
145  KIMMERIDGE BAY
146  LULWORTH COVE
147  SHELL BAY NORTH
148  STUDLAND KNOLL HOUSE
149  SWANAGE CENTRAL
PWLLHELI
150  PWLLHELI
REST BAY PORTHCAWL
151  REST BAY PORTHCAWL
RESTORMEL
152  CHARLESTOWN
153  CRANTOCK
154  CRINNIS GOLF LINKS
155  CRINNIS GOLF LINKS
155  CRINNIS GOLF LINKS
157  FISTRAL
158  GORRAN HAVEN (VAULT)
159  GORRAN HAVEN (VAULT)
159  GORRAN HAVEN (VAULT)
159  GORRAN HAVEN (VAULT)
160  GREAT WESTERN
161  LUSTY GLAZE
162  MAWGAN PORTH
163  PAR
164  PENTEWAN
165  POLSTREATH
167  PORT MELLON
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168 ○ PORTH
169 PORTHLUNEY
170 ○ PORTHPEAN
171 ◆ READYMONEY
172 TOLCARNE
173 TOWAN
174 ○ WATERGATE
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175 AHOSNEIGR
RHOSSILI
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177 RHYL
     RHYL

177   RHYL

SANDY BAY PORTHCAWL

178   SANDY BAY PORTHCAWL

SAUNDERSFOOT

179   SAUNDERSFOOT

SEDGEMOOR

180   BERROW NORTH OF UNITY FARM

181   BREAN

182   BURNHAM JETTY

SOUTH HAMS

183   BANTHAM
 SWANSEA BAY
201  SWANSEA BAY
TAL-Y-BONT
202 TAL-Y-BONT
TEIGNBRIDGE
203 DAWLISH CORYTON COVE
204 DAWLISH TOWN
205 DAWLISH WARREN
206 NESS COVE
207 SHALDON
208 TEIGNMOUTH HOLCOMBE
209 TEIGNMOUTH TOWN
TENBY NORTH
210 TENBY NORTH
211 TENBY SOUTH
211 BABACOMBE
213 BABACOMBE
213 BABACOMBE
214 BROADSANDS
215 GOODRINGTON
216 HOLLICOMBE
217 MAIDENCOMBE
218 MEADFOOT
219 ODDICOMBE
210 PAIGNTON PAIGNTON SANDS
221 PAIGNTON PRESTON SANDS
221 PAIGNTON PRESTON SANDS
221 PAIGNTON PRESTON SANDS
221 DAIGNTON PRESTON SANDS
222 SHOALSTONE
223 ST.MARY'S BAY
224 TORRE ABBEY
225 WATCOMBE
TORRIDGE
226 DAIGNTON POIGNTON SANDS
227 WESTWARD HO!
224 ● TORRE ABBEY

10RRIDGE

226 ● HARTLAND QUAY

227 ● WESTWARD HO!

TRAETH GWYN NEW QUAY

228 ● TRAETH GWYN NEW QUAY

TREARDDUR BAY

229 ● TREARDDUR BAY

TRECCO BAY PORTHCAWL

230 ● TRECO BAY PORTHCAWL

TRESAITH

231 ● TRESAITH

TYWYN

232 ● TYWYN

WEST DORSET

234 ● EYPEMOUTH WEST

235 ● LYME REGIS CHURCH BEACH

236 ● LYME REGIS COBB

237 ● SEATOWN

238 ● WEST BAY (WEST)

WEST SOMERSET

239 ● BLUE ANNCHOR WEST

241 ● MINEHEAD TERMINUS

242 ● PORLOCK WEIR

WEYMOUTH AND PORTLAND

243 ● BOWLEAZE COVE

244 ● CHURCH OPE COVE

245 ● PORTLAND HARBOUR CASTLE COVE

246 ● PORTLAND HARBOUR SANDSFOOT CASTLE

247 ● RINGSTEAD BAY

WEYMOUTH CONTROL

248 ● WEYMOUTH COMMON

WHITESANDS

WHITESANDS

WHITESANDS

WHITESANDS

WHITMORE BAY BARRY

WOODSPRING

252 ● CLEVEDON BEACH

253 ● WESTON MAIN
         251 • WHIT MOHE BAT BATTET

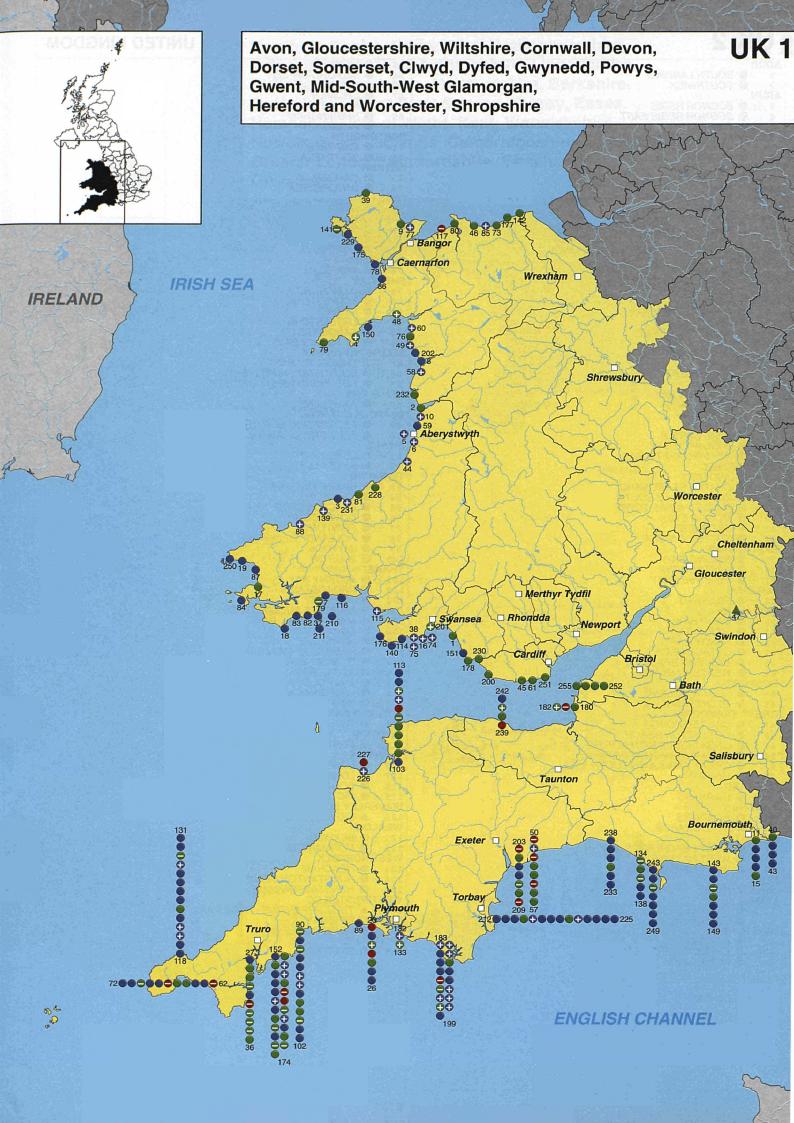
WOODSPRING

252 • CLEVEDON BEACH

253 • WESTON MAIN

254 • WESTON-S-MARE SAND BAY

255 • WESTON-S-MARE UPHILL SLIPWAY
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41	CATALAN BAY		
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HOVE	HOVE		
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60 🖯 🔵	NEWHAVEN		
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62	CALSHOT		
63	CHRISTCHLIRC	HRAV	

HIGHCLIFFE

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65 • LEPE

66 • MILFORD-ON-SEA

NORTH NORFOLK

67 • CROMER

68 • MUNDESLEY

69 • SHERINGHAM

70 • WELLS
 PORTSMOUTH
 73 CAMBER
74 • WINCHELSEA
RYDE RYDE
 SANDOWN
76 SANDOWN
SEAGROVE
 77 ⊕ SEAGROVE SHANKLIN
 78 🖯 🔵 SHANKLIN
 SHEPWAY
 SHEPWAY
79 DYMCHURCH
80 FOLKESTONE
81 HYTHE
82 LITTLESTONE
83 SANDGATE
84 ST MARY'S BAY
SOUTHEND-ON-SEA
  ST HELENS
 88 ST HELENS
SUFFOLK COASTAL
89 FELIXSTOWE NORTH
90 FELIXSTOWE SOUTH
 SWALE
 91 ⊖ LEYSDOWN
92 SHEERNESS
 TENDRING
 THANET
101 ⊕ BOTANY BAY
102 ● BROADSTAIRS
103 ● JOSS BAY
104 ⊕ MARGATE FULSAM ROCK
105 ● MARGATE THE BAY
106 ● MINNIS BAY
107 ● RAMSGATE
108 ● RAMSGATE MAIN SANDS
109 ● ST MILDRED'S BAY
110 ⊕ STONE BAY
111 ⊕ WALPOLE BAY
112 ● WESTBROOK BAY
113 ⊕ WESTGATE BAY
TOTLAND BAY
 101 - BOTANY BAY
 TOTLAND BAY
 114 O TOTLAND BAY VENTNOR
 115 • VENTNOR WAVENEY
WAVENEY

116   LOWESTOFT NORTH

117   LOWESTOFT SOUTH

118   SOUTHWOLD THE DENES

119   VICTORIA BEACH

WAVERLEY BC

120   FRENSHAM GREAT POND

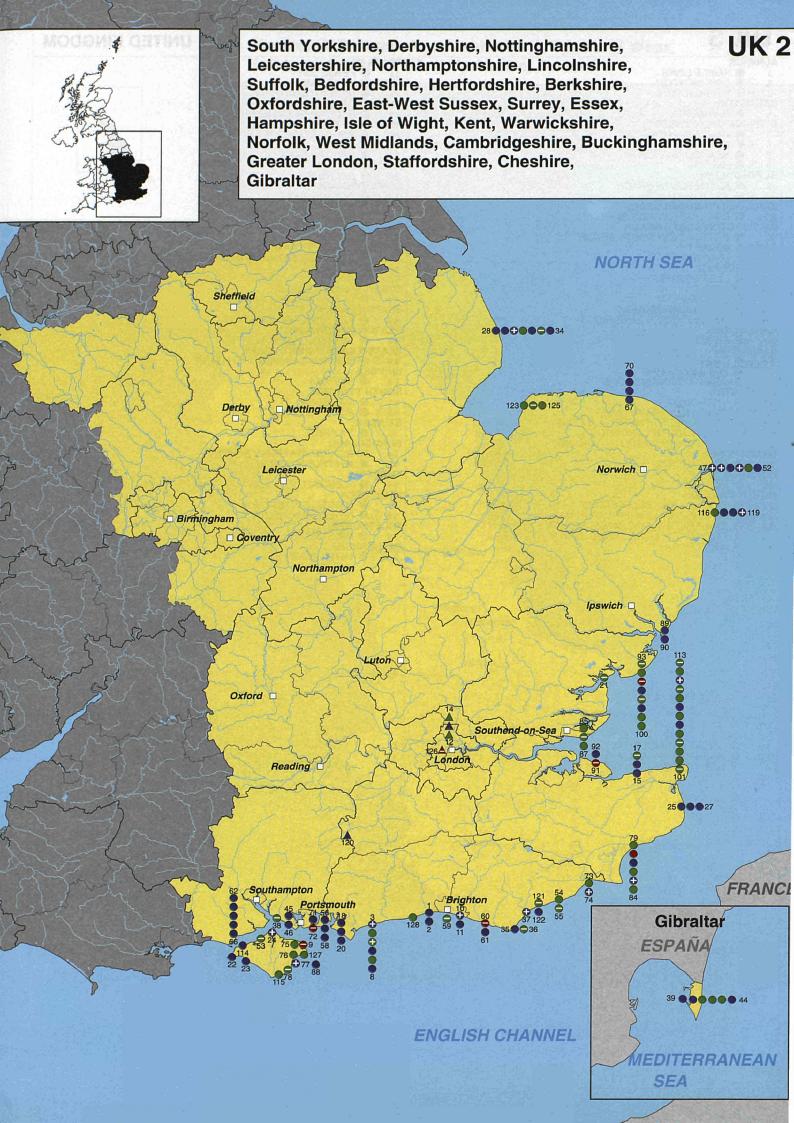
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 WEALDEN
121 ○ ● BEXHILL
122 ● NORMAN'S BAY
122 ● NORMAN'S BAY
WEST NORFOLK

123 ● HEACHAM

124 ○ HUNSTANTON BEACH

125 ● HUNSTANTON MAIN BEACH
WESTMINSTER CC

126 ○ ▲ THE SERPENTINE - HYDE PARK
WHITECLIFFE BAY
 127 ● WE
WORTHING
          WHITECLIFFE BAY
            WORTHING
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ALNWICK

PEASE BAY 31 PEASE BAY
REDCAR COATHAM 32 • REDCAR COATHAM
REDCAR GRANVILLE
33 • REDCAR GRANVILLE REDCAR LIFEBOAT STATION
34 REDCAR LIFEBOAT STATION
REDCAR STRAY REDCAR STRAY SALTBURN 36 ⊕ SALTBURN SCARBOROUGH CAYTON BAY
 FILEY 37 38 REIGHTON
 ROBIN HOODS BAY
 SANDSEND 40 41 41 SANDSEND
42 SCARBOROUGH NORTH BAY
43 SCARBOROUGH SOUTH BAY
44 STAITHES
45 SWHITBY SEA AT MARSKE SANDS

46 SEA AT MARSKE SANDS

SEATON CAREW CENTRE

47 SEATON CAREW CENTRE

SEATON CAREW NORTH 48 SEATON CAREW NORTH
SEATON CAREW NORTH GARE
49 SEATON CAREW NORTH GARE SKIPSEA 50 SKIPSEA
SOUTH TYNESIDE
51 MARSDEN
52 SOUTH SHIELDS ST ABBS ST ABBS
53 ST ABBS
SUNDERLAND
54 ROKER/ WHITBURN SOUTH
55 WHITBURN NORTH
TUNSTALL
56 TUNSTALL
WANSBECK 57 NEWBIGGIN NORTH 58 NEWBIGGIN SOUTH WILSTHORPE 59 • WILSTHORPE
WITHERNSEA 60 ⊝ ● WITHERNSEA



LARNE
35 ⊕ BROWN'S BAY

36 • MAGILLIGAN
MILLPORT, CUMBRAE
37 • MILLPORT, CUMBRAE
MOYLE 38 BALLYCASTLE
NEWRY & MOURNE
39 CRANFIELD (CRANFIELD BAY)
40 CRANFIELD (NICHOLSONS STRAND) NORTH DOWN NORTH DOWN

41 ⊕ BALLYHOLME

42 • CRAWFORDSBURN

43 • GROOMSPORT

44 ⊕ HELEN'S BAY

PRESTWICK

45 ⊕ PRESTWICK ROCKCLIFFE 46 ● ROCKCLIFFE
SALTCOATS SOUTH BEACH
47 ⊕ SALTCOATS SOUTH BEACH
SANDYHILLS 48 ⊕ ● SANDYHILLS SEFTON SEFTON

49 ○ AINSDALE

50 ● FORMBY

51 ○ SOUTHPORT

SOUTH LAKELAND

52 ⊕ ALDINGHAM

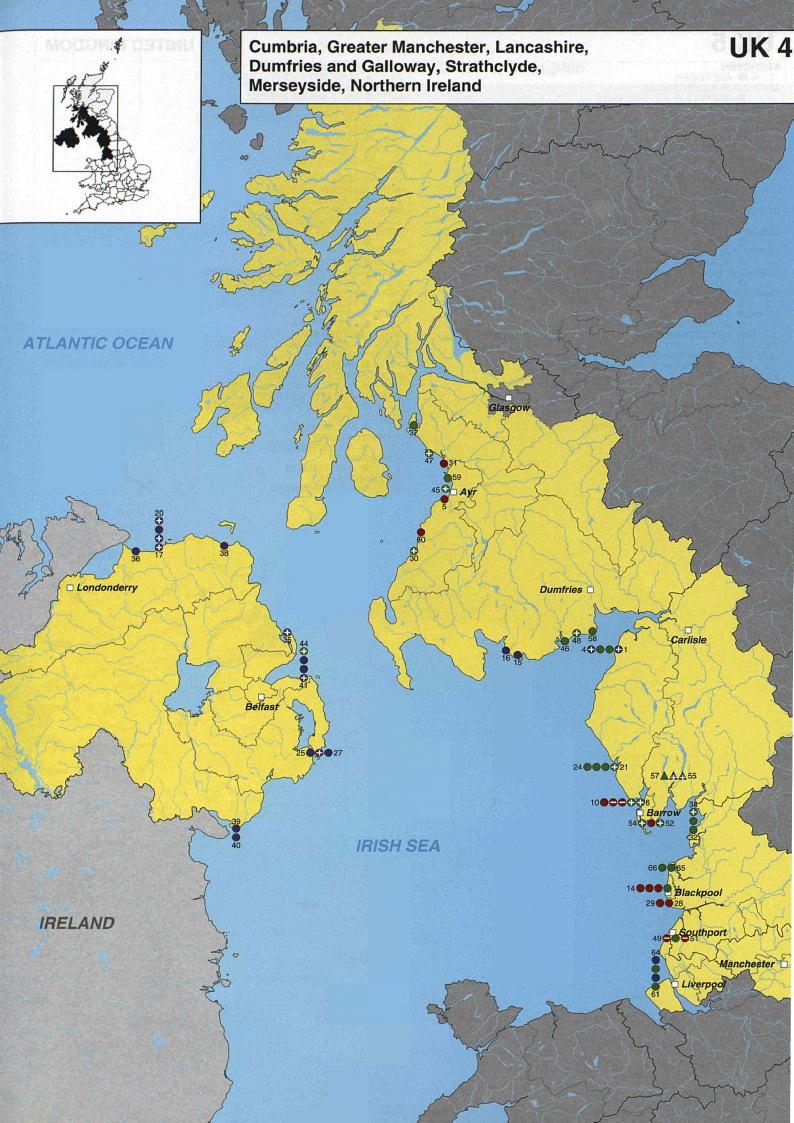
53 ● BARDSEA

54 ⊕ NEWBIGGIN

55 ⊕ A WINDERMERE, FELLFOOT

56 ⊕ A WINDERMERE, MILLERGROUND LANDING

SOUTHERNESS SOUTHERNESS 58 SOUTHERNESS TROON SOUTH BEACH 59 TROON SOUTH BEACH TURNBERRY TURNBERRY WIRRAL MEOLSMORETONNEW BRIGHTON 61 62 63 64 WYRE WEST KIRBY CLEVELEYS 65 • FLEETWOOD 66



KINGSBARNS

LUSS BAY (LOCH LOMOND)

23 LUSS BAY (LOCH LOMOND)

MACHRIHANISH BAY

24 MACHRIHANISH BAY

MILSEY BAY (NORTH BERWICK)

25 MILSEY BAY (NORTH BERWICK)

MONTROSE

26 MONTROSE

MORAR BEACH

27 MORAR BEACH

NAIRN

28 NAIRN

NAIRN (CENTRAL BEACH)

29 NAIRN (CENTRAL BEACH)

NORTH BERWICK BAY

30 NORTH BERWICK BAY

PETERHEAD (LIDO)

31 PETERHEAD (LIDO)

PETTYCUR

32 PETTYCUR

32 PORTOBELLO CENTRAL (JAMES STREET)

33 PORTOBELLO WEST (KINGS ROAD)

34 PORTOBELLO WEST (KINGS ROAD)

ROSEHEARTY

35 ROSEHEARTY

SETON SANDS/LONGNIDDRY

36 SETON SANDS/LONGNIDDRY

SHELL BAY

37 SHELL BAY

ST ANDREWS EAST SANDS

38 ST ANDREWS EAST SANDS

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ST ONEHAVEN

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THORNTONLOCH

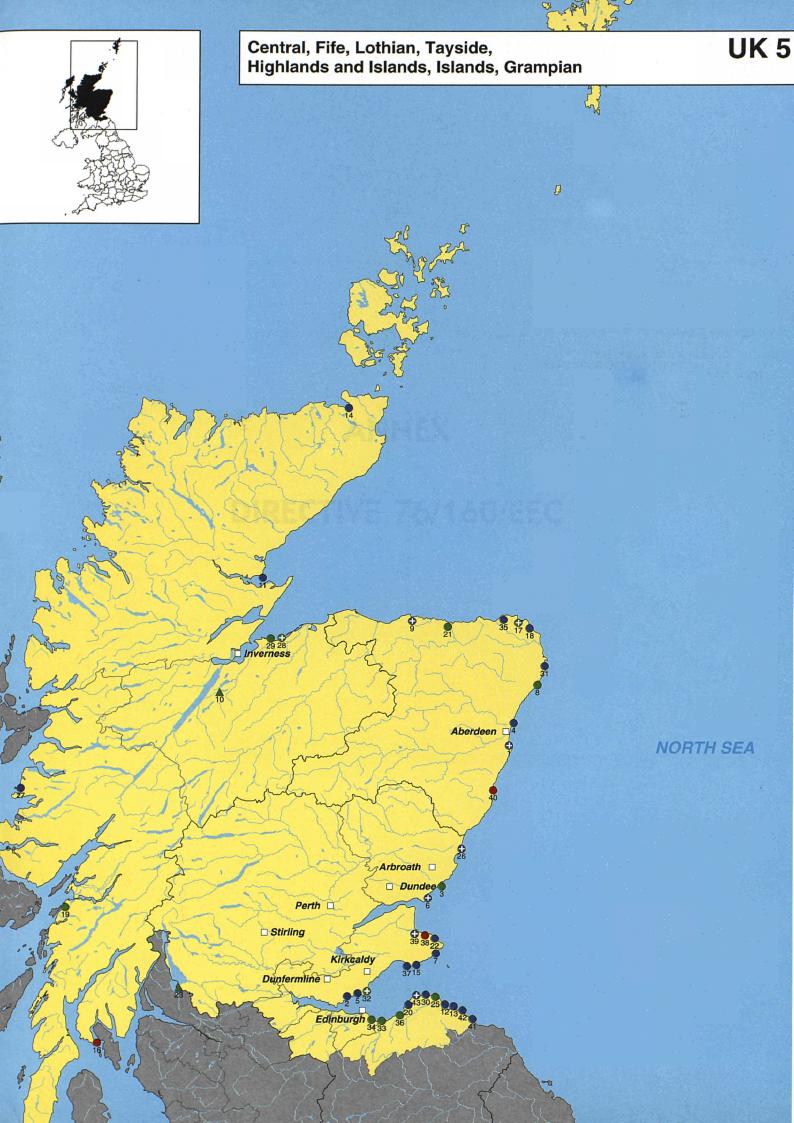
41 THORNTONLOCH

WHITESANDS

42 WHITESANDS

YELLOWCRAIGS

43 YELLOWCRAIGS



ANNEX DIRECTIVE 76/160/EEC

COUNCIL DIRECTIVE

of 8 December 1975

concerning the quality of bathing water

(76/160/EEC) (OJ L 31, 5.2.1976)

THE COUNCIL OF THE EUROPEAN COMMUNITIES.

Having regard to the Treaty establishing the European Economic Community, and in particular Articles 100 and 235 thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Parliament (1),

Having regard to the opinion of the Economic and Social Committee (2),

Whereas, in order to protect the environment and public health, it is necessary to reduce the pollution of bathing water and to protect such water against further deterioration;

Whereas surveillance of bathing water is necessary in order to attain, within the framework of the operation of the common market, the Community's objectives as regards the improvement of living conditions, the harmonious development of economic activities throughout the Community and continuous and balanced expansion;

Whereas there exist in this area certain laws, regulations or administrative provisions in Member States which directly affect the functioning of the common market; whereas however, not all the powers needed to act in this way have been provided for in the Treaty;

Whereas the programme of action of the European Communities on the environment (3) provides that quality objectives are to be jointly drawn up fixing the various

requirements which an environment must meet *inter alia* the definition of parameters for water, including bathing water;

Whereas, in order to attain these quality objectives, the Member States must lay down limit values corresponding to certain parameters; whereas bathing water must be made to conform to these values within 10 years following the notification of this directive;

Whereas it should be provided that bathing water will, under certain conditions, be deemed to conform to the relevant parametric values even if a certain percentage of samples taken during the bathing season does not comply with the limits specified in the annex;

Whereas, to achieve a certain degree of flexibility in the application of this directive, the Member States must have the power to provide for derogations; whereas such derogations must not, however, disregard requirements essential for the protection of public health;

Whereas technical progress necessitates rapid adaptation of the technical requirements laid down in the annex; whereas, in order to facilitate the introduction of the measures required for this purpose, a procedure should be provided for whereby close cooperation would be established between the Member States and the Commission within a committee on adaptation to technical progress;

⁽¹⁾ OJ C 128, 9.6.1975, p. 13.

^(*) OJ C 286, 15.12.1975, p. 5.

⁽a) OJ C 112, 20.12.1973, p. 3.

Whereas public interest in the environment and in the improvement of its quality is increasing; whereas the public should therefore receive objective information on the quality of bathing water,

HAS ADOPTED THIS DIRECTIVE:

Article 1

- 1. This directive concerns the quality of bathing water, with the exception of water intended for therapeutic purposes and water used in swimming pools.
- 2. For the purposes of this directive:
- (a) 'bathing water' means all running or still fresh waters or parts thereof and sea water, in which:
 - bathing is explicitly authorised by the competent authorities of each Member State, or
 - bathing is not prohibited and is traditionally practised by a large number of bathers;
- (b) 'bathing area' means any place where bathing water is found;
- (c) 'bathing season' means the period during which a large number of bathers can be expected, in the light of local custom, and any local rules which may exist concerning bathing and weather conditions.

Article 2

The physical, chemical and microbiological parameters applicable to bathing water are indicated in the annex which forms an integral part of this directive.

Article 3

1. Member States shall set, for all bathing areas or for each individual bathing area, the values applicable to bathing water for the parameters given in the annex.

In the case of the parameters for which no values are given in the annex, Member States may decide not to fix any values pursuant to the first subparagraph, until such time as figures have been determined.

- 2. The values set pursuant to paragraph 1 may not be less stringent than those given in Column I of the annex
- 3. Where values appear in Column G of the annex, whether or not there is a corresponding value in Column I of the annex, Member States shall endeavour, subject to Article 7, to observe them as guidelines.

'Article 4

- 1. Member States shall take all necessary measures to ensure that, within 10 years following the notification of this directive, the quality of bathing water conforms to the limit values set in accordance with Article 3.
- 2. Member States shall ensure that, in bathing areas specially equipped for bathing to be created by the competent authorities of the Member States after the notification of this directive, the 'I values' laid down in the annex are observed from the time when bathing is first permitted. However, for bathing areas created during the two years following the notification of this directive, these values need not be observed until the end of that period.
- 3. In exceptional circumstances Member States may grant derogations in respect of the 10-year time limit laid down in paragraph 1. Justification for any such derogations based on plans for the management of water within the area concerned must be communicated to the Commission as soon as possible and not later than six years following the notification of this directive. The Commission shall examine these justifications in detail and, where necessary, make appropriate proposals concerning them to the Council.

4. As regards sea water in the vicinity of frontiers and water crossing frontiers which affect the quality of the bathing water of another Member State, the consequences for the common quality objectives for bathing areas so affected shall be determined in collaboration by the riparian Member States concerned.

The Commission may participate in these deliberations.

Article 5

1. For the purposes of Article 4, bathing water shall be deemed to conform to the relevant parameters:

if samples of that water, taken at the same sampling point and at the intervals specified in the annex, show that it conforms to the parametric values for the quality of the water concerned, in the case of:

- 95 % of the samples for parameters corresponding to those specified in Column I of the annex;
- 90 % of the samples in all other cases with the exception of the 'total coliform' and 'faecal coliform' parameters where the percentage may be 80 %;

and if, in the case of the 5, 10 or 20 % of the samples which do not comply:

- the water does not deviate from the parametric values in question by more than 50 %, except for microbiological parameters, pH and dissolved oxygen;
- consecutive water samples taken at statistically suitable intervals do not deviate from the relevant parametric values.
- 2. Deviations from the values referred to in Article 3 shall not be taken into consideration in the calculation of the percentage referred to in paragraph 1 when they are the result of floods, other natural disasters or abnormal weather conditions.

Article 6

- 1. The competent authorities in the Member States shall carry out sampling operations, the minimum frequency of which is laid down in the annex.
- 2. Samples should be taken at places where the daily average density of bathers is highest. Samples should preferably be taken 30 cm below the surface of the water except for mineral oil samples which shall be taken at surface level. Sampling should begin two weeks before the start of the bathing season.
- 3. Local investigation of the conditions prevailing upstream in the case of fresh running water, and of the ambient conditions in the case of fresh still water and sea water should be carried out scrupulously and repeated periodically in order to obtain geographical and topographical data and to determine the volume and nature of all polluting and potentially polluting discharges and their effects according to the distance from the bathing area.
- 4. Should inspection by a competent authority or sampling operations reveal that there is a discharge or a probable discharge of substances likely to lower the quality of the bathing water, additional sampling must take place. Such additional sampling must also take place if there are any other grounds for suspecting that there is a decrease in water quality.
- 5. Reference methods of analysis for the parameters concerned are set out in the annex. Laboratories which employ other methods must ensure that the results obtained are equivalent or comparable to those specified in the annex.

Article 7

1. Implementation of the measures taken pursuant to this directive may under no circumstances lead either directly or indirectly to deterioration of the current quality of bathing water.

2. Member States may at any time fix more stringent values for bathing water than those laid down in this directive.

2. The committee shall draw up its own rules of procedure.

Article 8

This directive may be waived:

- (a) in the case of certain parameters marked
 (0) in the annex, because of exceptional weather or geographical conditions;
- (b) when bathing water undergoes natural enrichment in certain substances causing a deviation from the values prescribed in the annex.

Natural enrichment means the process whereby, without human intervention, a given body of water receives from the soil certain substances contained therein.

In no case may the exceptions provided for in this article disregard the requirements essential for public health protection.

Where a Member State waives the provisions of this directive, it shall forthwith notify the Commission thereof, stating its reasons and the periods anticipated.

Article 9

Such amendments as are necessary for adapting this directive to technical progress shall relate to:

- the methods of analysis;
- the G and I parameter values set out in the annex.

They shall be adopted in accordance with the procedure laid down in Article 11.

Article 10

1. A committee on adaptation to technical progress (hereinafter called 'the committee') is hereby set up. It shall consist of representatives of the Member States and be chaired by a representative of the Commission.

Article 11

- 1. Where the procedure laid down in this article is to be followed, matters shall be referred to the committee by the chairman, either on his own initiative or at the request of the representative of a Member State.
- 2. The representative of the Commission shall submit to the committee a draft of the measures to be adopted. The committee shall deliver its opinion on the draft within a time limit set by the chairman having regard to the urgency of the matter. Opinions shall be adopted by a majority of 41 votes, the votes of the Member States being weighted as provided in Article 148 (2) of the Treaty. The chairman shall not vote.
- (a) The Commission shall adopt the measures envisaged where they are in accordance with the opinion of the committee.
 - (b) Where the measures envisaged are not in accordance with the opinion of the committee, or if no opinion is adopted, the Commission shall without delay propose to the Council the measures to be adopted. The Council shall act by a qualified majority.
 - (c) If, within three months of the proposal being submitted to it, the Council has not acted, the proposed measures shall be adopted by the Commission.

Article 12

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this directive within two years of its notification. They shall forthwith inform the Commission thereof.

2. Member States will communicate to the Commission the texts of the main provisions of national law which they adopt in the field covered by this directive.

Article 13

Member States shall, four years following the notification of this directive and at regular intervals thereafter, submit a comprehensive report to the Commission on their bathing water and the most significant characteristics thereof.

After prior consent has been obtained from the Member State concerned the Commission may publish the information obtained.

Article 14

This directive is addressed to the Member States.

Done at Brussels, 8 December 1975.

For the Council The President M. PEDINI

Annex

Quality requirements for bathing water

C 72	Parameters	G		Minimum sampling frequency	Method of analysis and inspection
	Microbiological				
1	Total coliforms/100 ml	500	10 000	Fortnightly (1)	Fermentation in multiple tubes. Subculturing of the positive tube
				2 15	on a confirmation medium. Count according to MPN (most probable number)
			4 15 N		or
2	Faecal coliforms/100 ml	100	2 000	Fortnightly (1)	membrane filtration and culture of an appropriate medium such Tergitol lactose agar, endo-ago 0.4 % Teepol broth, subculturing and identification of the suspe
			1.50		colonies.
					In the case of 1 and 2, the incub tion temperature is variable a cording to whether total or face coliforms are being investigated
3	Faecal	100	_	(2)	Litsky method
9	streptococci/100 ml				Count according to MPN (most probable number)
					or filtration on membrane
4	Salmonella/litre		0	(2)	Culture on an appropriate media Concentration by membrane filt tion
					Inoculation on a standard mediu Enrichment — subculturing on isolating agar — identificatio
5	Enteroviruses PFU/10 litres	_	0	(2)	Concentrating by filtration floco- lation or centrifuging and cont mation
	Physico-chemical				
6	рH	_	6-9 (0)	(2)	Electrometry with calibration at pH 7 and 9

	Parameters	G	Annex	Minimum sampling frequency	Method of analysis and inspection
7	Colour	. —	No abnormal change in colour (0)	Fortnightly (1)	Visual inspection or
		_	_	(2)	photometry with standards on the Pt. Co scale
8	Mineral oils mg/litre	_	No film visible on the surface of the water	Fortnightly (1)	Visual and olfactory inspection
			and no		
		≤ 0.3	odour —	(2)	extraction using an adequate volume and weighing the dry residue
9	Surface-active substances reacting with methylene blue	_	No lasting foam	Fortnightly (1)	Visual inspection
	(Lauryl sulfate) mg/l	≤ 0.3	_	(2)	absorption spectro- photometry with methylene blue
10	Phenols mg/l (phenol indices) C ₆ H ₅ OH	_	No specific odour	Fortnightly (1)	Verification of the absence of specific odour due to phenol or absorption spectro- photometry
		≤ 0.005	≤ 0.05	(2)	4-aminoantipyrine (4 AAP) method
11	Transparency m	2	1 (0)	Fortnightly (1)	Secchi's disc
12	Dissolved oxygen % saturation O _Q	80 to 120	-	(2)	Winkler's method or electrometric method (oxygen metre)
13	Tarry residues and floating materials such as wood, plastic articles, bottles, containers of glass, plastic, rubber or any other substance. Waste or splinters	Absence		Fortnightly (1)	Visual inspection
14	Ammonia mg/l NH ₄			(3)	Absorption spectro- photometry, Nessler's method or indophenol blue method
15	Nitrogen Kjeldahl mg/litre N			(3)	Kjeldahl method

	Parameters	G	1208000	Minimum sampling frequency	Method of analysis and inspection
16	Other substances regarded as indications of pollution: Pesticides mg/litre (parathion, HCH, dieldrin)			(2)	Extraction with appropriate solvents and chromatographic determination
17	Heavy metals such as: arsenic mg/litre As cadmium Cd chrome VI Cr VI lead Pb mercury Hg			} (2)	Atomic absorption possibly preceded by extraction
18	Cyanides mg/litre Cn			(2)	Absorption spectrophotometry using a specific reagent
19	Nitrates mg/litre NO ₃ and Phosphates PO ₄			(3)	Absorption spectrophotometry using a specific reagent

G = guide I = mandatory

- (0) Provision exists for exceeding the limits in the event of exceptional geographical or meteorological conditions.
- (1) When a sampling taken in previous years produced results which are appreciably better than those in this annex and when no new factor likely to lower the quality of the water has appeared, the competent authorities may reduce the sampling frequency by a factor of 2.
- (2) Concentration to be checked by the competent authorities when an inspection in the bathing area shows that the substance may be present or that the quality of the water has deteriorated.
- (3) These parameters must be checked by the competent authorities when there is a tendency towards eutrophication of the water.

European Commission

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