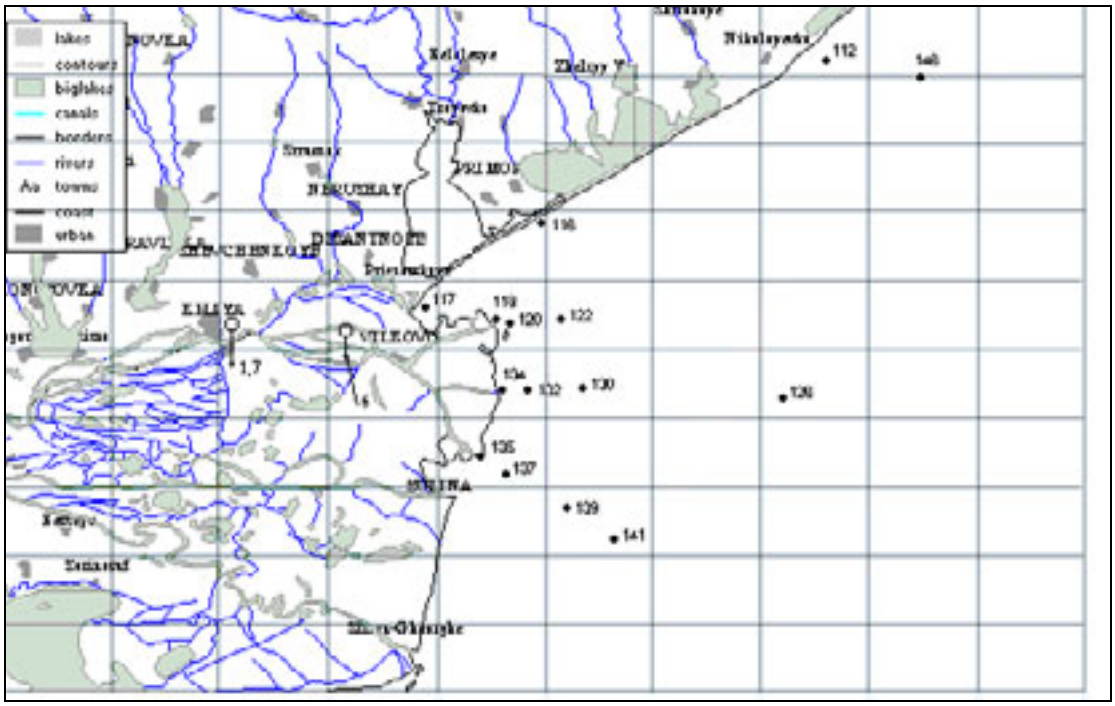
The 18th expedition of the research vessel "V.Parshin" (15-30.09.1995) of the Ukrainian Scientific center of Ecology of the Sea was performed in the framework of International program Global Environmental Facility "Black Sea Environmental Programme" (GEF/BSEP), organized in compliance with the Bucharest Conventions provisions and decisions of the Odessa Ministerial Declaration on Black Sea protection from pollution and aimed at their implementation.

In compliance with the Ministerial Declaration, in 1996, it is necessary to complete assessment of sources and levels of pollution by substances enumerated in Annexes I and II to Protocols on protection from land sources and dumping of the Convention on Black Sea protection from Pollution and to carry out preliminary study of their influence upon the environment. Implementation of this task is one of the main purposes of the BSEP working plan for 1995 and the expedition in question - an important step in realization of this aim.



Example location of the sampling stations (Danube reagion)

Description of the trip database

The trip database includes the following files:

Mainf.DBF - the file of the general trip information;
OSV.DBF – the file of the general station information;
TGM.DBF – the file of the hydrological and hydrochemical information.

Field Name	Field Description	Field Type	Field Length	Deci-mals
MAINF.DBF				
COUNTRY	Country name	Character	17	0
CODCOUNTRY	Code of country	Character	6	0

Field Name	Field Description	Field Type	Field Length	Deci-mals
INST	Short name of institute	Character	17	0
FULLINST	Full name of institute	Character	70	0
CODINST	Institute code	Character	6	0
SHIP	Ship name	Character	40	0
CODSHIP	Ship code	Character	6	0
POZYVNOI	Call sign	Character	4	0
NREIS	Trip number	Character	3	0
VEDOMSTVO	Department	Character	70	0
CODPROEKT	Project code	Character	4	0
TYPECOMP	Type of computer system	Character	15	0
MAXSHPSPD	Max. ship speed (knots)	Numeric	4	1
OSV.DBF				
NST	Station number	Numeric	3	0
DAT_N	Date start of sampling	Date	8	0
TIM_N	Time start of sampling	Character	4	0
Q	Geographical quadrant	Character	1	0
LAT_N	Latitude start of sampling	Character	5	0
LON_N	Longitude start of sampling	Character	6	0
DAT_K	Date end of sampling	Character	2	0
TIM_K	Time end of sampling	Character	4	0
LAT_K	Latitude end of sampling	Character	5	0
LON_K	Longitude end of sampling	Character	6	0
KOD	Code of the sea	Character	4	0
DPM	Depth of the place	Character	5	0
PROZ	Transmittance of water	Character	3	0
COLOR	Color of water	Character	4	0
VD	Direction of wind	Character	3	0
VS	Wind speed	Character	2	0
TIPW	The type of wind waves	Character	1	0
WD	Direction of wind waves	Character	3	0
SW	The speed of wind waves	Character	1	0
WH	The height of wind waves	Character	2	0
WL	The length of wind waves	Character	3	0
WP	The period of wind waves	Character	2	0
ZD	Direction of swell	Character	3	0
ZH	The height of swell	Character	2	0
ZL	The length of swell	Character	3	0
ZP	The period of swell	Character	3	0
PM	Condition of a surface of the sea	Character	1	0
VID	Visibility	Character	2	0
TAIR	Air temperature	Character	5	0
ABSV	Absolute humidity	Character	5	0
OTNV	Relative humidity	Character	3	0
ATMD	Atmospheric pressure	Character	6	0
OBCOM	Total of cloud phenomena	Character	1	0
OBLOW	Quantity of a cloud phenomena of the lower circle	Character	1	0
FU	The form of clouds of the upper circle	Character	1	0
FM	The form of clouds of an average circle	Character	1	0
FL	The form of clouds of a lower circle	Character	1	0
ISS	Intensity of solar glowing	Character	1	0
TWAT	Surface water temperature	Character	4	0
POG	Weather in time	Character	2	0

Field Name	Field Description	Field Type	Field Length	Deci-mals
IV	Kind of ice	Character	2	0
IFF	The form of ice	Character	2	0
IG	Thickness of ice	Character	2	0
IP	Quantity of buoyant ice	Character	2	0
IN	Quantity of fixed ice	Character	2	0
IR	Distance up to the ice edge	Character	2	0
ID	Direction on to the ice edge	Character	3	0
PREDEL	Limit of depth on the station	Character	4	0
TGM.DBF				
NST	Station number	Numeric	3	0
DEEP	Depth	Numeric	4	0
QDEEP	Kind of horizon	Character	1	0
TEMP	Temperature	Numeric	5	2
QTEMP	Sign of quality of temperature	Character	1	0
SOL	Salinity	Numeric	6	3
QSOL	Sign of quality of salinity	Character	1	0
O2	Dissolved oxygen	Numeric	5	2
QO2	Sign of quality of dissolved oxygen	Character	1	0
PH	pH value	Numeric	5	2
QPH	Sign of quality of pH value	Character	1	0
ALK	Alkalinity	Numeric	5	3
QALK	Sign of quality of alkalinity	Character	1	0
PO	Phosphates	Numeric	6	2
QPO	Sign of quality of phosphates	Character	1	0
SI	Silicates	Numeric	5	0
QSI	Sign of quality of silicates	Character	1	0
NO2	Nitrites	Numeric	6	1
QNO2	Sign of quality of nitrites	Character	1	0
NO3	Nitrates	Numeric	6	1
QNO3	Sign of quality of nitrates	Character	1	0
H2S	Hydrogen sulphide	Numeric	6	2
QH2S	Sign of quality of hydrogen sulphide	Character	1	0
POB	Total phosphorus	Numeric	6	1
QPOB	Sign of quality of total phosphorus	Character	1	0
NOB	Total nitrogen	Numeric	6	1
QNOB	Sign of quality of total nitrogen	Character	1	0
NH4	Ammonia	Numeric	5	1
QNH4	Sign of quality of ammonia	Character	1	0
EH	Redox potential	Numeric	4	0
QEH	Sign of quality of redox potential	Character	1	0