

CONTENTS

Preface

Acknowledgements

Contents

List of tables

List of figures

Acronyms

Introduction

Chapter 1. History of regular observations over the Kerch Strait and the data sets available 30

Eremeev V., Ivanov V., Ilyin Yu., Trotsenko B., Shlyakhov V.

Chapter 2. Morphology and bathymetry of the Kerch Strait 34

Eremeev V., Ivanov V., Ilyin Yu., Trotsenko B., Kochetkov V.

Chapter 3. Background hydro-meteorological conditions of the Kerch Strait area 38

[Ovsienko S.], Fashchuk D., Zatsepa S., Ivchenko A., Petrenko O., Ilyin Yu., Yurenko Yu., Postnov A., Fomin V., Repetin L., Diakov N., Lavrova O.

Chapter 4. Hydrometeorological conditions during the 10–12 November 2007 catastrophic storm, chronology of events, administrative actions taken and consequences of the disaster 55

[Ovsienko S.], Fashchuk D., Zatsepa S., Ivchenko A., Petrenko O., Kabatchenko I., Filippov Yu., Yurenko Yu., Ilyin Yu., Chernov V.

Chapter 5. Standard hydrochemistry 79

Agapov S., Korpakova I., Aleksandrova Z., Romova M., Baskakova T., Matishov G., Berdnikov S., Savitsky R., Komorin V., Orlova I., Pavlenko N., Denga Yu., Ivanov D., Ilyin Yu., Malchenko Yu., Shibaeva S., Djakov N., Chasovnikov V., Nasurov A., Ermakov V., Petrenko O., Trotsenko B., Zhugailo S., Sebakh L.

Chapter 6. Petroleum hydrocarbons pollution

Subchapter 6.1. Marine waters 109

[Ivanov A.], Tkachenko Yu., Derbicheva T., Ilyin Yu., Malchenko Yu., Shibaeva S., Djakov N., Gozhik P., Bagriy I., Ivanova A., Petrenko O., Zhugailo S., Sapozhnikov V., Korshenko A., Panova A., Krutov A., Ermakov V., Kochetkov V., Komorin V., Orlova I., Pavlenko N., Denga Yu., Chasovnikov V., Belyaev N., Kolyuchkina G., Shapovalova E., Simakova U., Nasurov A., Mironov O., Alyomov S., Basar E., Kutaeva N., Pisheva D., Patlatyuk E.

Subchapter 6.2. Bottom sediments	130
<i>Petrenko O., Ilyin Yu., Fashchuk D., Flint M., Spiridonov V., Makarov A., Kolyuchkina G., Shapovalova E., Simakova U., Sapozhnikov F., Kozlovsky V., Peresykin V., Belyaev N., Khlebopashev P., Chasovnikov V., Nasurov A., Gogitidze T., Korshenko A., Ermakov V., Komorin V., Denga Yu., Orlova I., Kochetkov A., Ivanov D., Mironov O., Alyomov S., Zhugailo S.</i>	
Subchapter 6.3. Pollution of the coast	152
<i>Fashchuk D., Lavrova O., Stochkov A., Mironov O., Alyomov S., Spiridonov V., Makarov A., Kolyuchkina G., Simakova U., Khlebopashev P.</i>	
Subchapter 6.4. Satellite monitoring of the oil spill in the Kerch Strait	161
<i>Lavrova O., Bocharova T., Mityagina M.</i>	
Chapter 7. Other pollutants	167
<i>Chasovnikov V., Nasurov A., Korshenko A., Ermakov V., Zhugailo S., Ereemeev V., Ivanov V., Ilyin Yu., Khmara T., Komorin V., Orlova I., Denga Yu., Stokozov N., Malakhova L., Kostova S., Mirzoeva N. Kotelianets E.</i>	
Chapter 8. Description of biological communities and impacts	185
<i>Ereemeev V., Boltachev A., Mironov O., Burdiyan N., Mukhanov V., Rylkova O., Brjantseva Yu., Zagorodnyaya Yu., Alyomov S., Gaevskaya A., Komorin V., Kovalishina S., Klimova T., Karpova E., Fashchuk D., Velikova V., Spiridonov V., Simakova U., Kolyuchkina G., Belyaev N., Shapovalova E. Birkun A., Krivokhizhin S.</i>	
Chapter 9. Socio-economic aspects of the oil spill and administrative actions	213
<i>Ereemeev V., Boltachev A., Velikova V., Kutaeva N., Chernov V., Krutov A., Postnov A., Korshenko A., Bon A., Tarasova O., Komorin V., Denga Yu., Pavlenko N.</i>	
Summary & lessons learnt	230
Literature cited	246

Annexes:

- Annex 1. Contact details of authors and contributors
- Annex 2. Inventory of cruises and field investigations
- Annex 3. Inventory of Data sets on the Kerch Strait accident oil spill, 11 November 2007
- Annex 4. Oceanographical, hydrophysical, chemical and biological laboratories, participated in the Kerch accident oil spill studies
- Annex 5. Measures taken by Ukraine
- Annex 6. Measures taken by the Russian Federation