

Observation of the marine environment pollution of the Caspian sea water area adjacent to the Russian territory

Observation system	Environment monitoring system
Observation area	Lopatin*
Number of ship stations	3
Starting year of observations	1972**
Observation types	<i>Meteorology</i> : air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology</i> : sea roughness, transparency, colour, depth, water temperature and salinity; <i>Hydrochemistry</i> : O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***</i> : oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to the northern part of Agrakhan peninsula, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Terek
Number of ship stations	5
Starting year of observations	1972**
Observation types	<i>Meteorology</i> : air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology</i> : sea roughness, transparency, colour, depth, water temperature and salinity; <i>Hydrochemistry</i> : O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***</i> : oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to the Terek delta, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Sulak*
Number of ship stations	5
Starting year of observations	1972**
Observation types	<i>Meteorology:</i> air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology:</i> sea roughness, transparence, colour, depth, water temperature and salinity; <i>Hydrochemistry:</i> O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***:</i> oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to the Sulak delta, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Makhachkala*
Number of ship stations	9
Starting year of observations	1972**
Observation types	<i>Meteorology:</i> air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology:</i> sea roughness, transparence, colour, depth, water temperature and salinity; <i>Hydrochemistry:</i> O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***:</i> oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to Makhachkala, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Kaspiysk*
Number of ship stations	9
Starting year of observations	1972**
Observation types	<i>Meteorology:</i> air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology:</i> sea roughness, transparence, colour, depth, water temperature and salinity; <i>Hydrochemistry:</i> O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***:</i> oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to Kaspiisk, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Izberg*
Number of ship stations	3
Starting year of observations	1972**
Observation types	<i>Meteorology:</i> air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology:</i> sea roughness, transparence, colour, depth, water temperature and salinity; <i>Hydrochemistry:</i> O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***:</i> oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to Izberbash, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Derbent*
Number of ship stations	2
Starting year of observations	1972**
Observation types	<i>Meteorology:</i> air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology:</i> sea roughness, transparence, colour, depth, water temperature and salinity; <i>Hydrochemistry:</i> O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***:</i> oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to Derbent, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Samur*
Number of ship stations	2
Starting year of observations	1972**
Observation types	<i>Meteorology</i> : air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology</i> : sea roughness, transparence, colour, depth, water temperature and salinity; <i>Hydrochemistry</i> : O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***</i> : oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	6 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * water area, adjacent to the Samur river, ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Century cross-section III*
Number of ship stations	5
Starting year of observations	1972**
Observation types	<i>Meteorology</i> : air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology</i> : sea roughness, transparency, colour, depth, water temperature and salinity; <i>Hydrochemistry</i> : O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***</i> : oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	4 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Astrakhan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * North Caspian, longitude 49; ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Century cross-section IIIa*
Number of ship stations	4
Starting year of observations	1972**
Observation types	<i>Meteorology</i> : air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology</i> : sea roughness, transparency, colour, depth, water temperature and salinity; <i>Hydrochemistry</i> : O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***</i> : oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	4 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Astrakhan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
Organization, running digital database	All-Russian research institute of hydrometeorological information
Form of data provision for common use	Annual data on the regime and quality of marine and coastal estuarine water
Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * North Caspian, longitude 48; ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization

Observation system	Environment monitoring system
Observation area	Century cross-section IV*
Number of ship stations	3
Starting year of observations	1972**
Observation types	<i>Meteorology:</i> air temperature and humidity, atmospheric pressure, wind speed and direction; <i>Hydrology:</i> sea roughness, transparency, colour, depth, water temperature and salinity; <i>Hydrochemistry:</i> O ₂ , NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ and total N, P mineral and P total, Si <i>Pollution***:</i> oil products, phenols, synthetic surfactants, heavy metals, organochlorine pesticides
Observation periodicity	4 times a year
Type of ownership for observation data	State federal
Organization owning observation data	Federal Service for hydrometeorology and environment monitoring
Organization, conducting observations and temporary storage of information hard copies	Dagestan Center for hydrometeorology and environment monitoring
Organization, supervising the observations	North – Caucasian Department for hydrometeorology and environment monitoring State Oceanographic Institute
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Organizations, preparing data for common use	State Oceanographic Institute

Footnote: * Border between the Middle and the North Caspian, longitude 44; ** year of establishing of the state service for environment observation and pollution control, *** specified list of controlled substances is annually determined by the supervising organization