

Astana 2025, № 4

Monthly hydrometeorological review for April 2025 for the Kazakhstan coast of the Caspian Sea.

All current data are raw (operational) monitoring data of RSE "Kazhydromet".

In April, 5 cases of surge phenomena were observed. In Fort-Shevchenko, the level rise reached 34 cm (from minus 29.46 to minus 29.12 m). In Fort Shevchenko, a drop in the level of 26 cm was observed (from minus 29.38 to minus 29.64 m).

Sea level.

The maximum was recorded at the Igolinskaya Banka - 103 cm, and the minimum at the Kuryk - minus 186 cm. The average level was minus 106 cm or minus 29.06 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	97	103	02.04.2025	94	19.04.2025
Zhanbay					
Peshnoy	-45	-25	27.04.2025	-73	23.04.2025
Kulaly	-153	-143	24.04.2025	-159	11.04.2025
Fort-Shevchenko	-145	-112	20.04.2025	-164	10.04.2025
Saura	-167	-144	01.04.2025	-168	02.04.2025
Kuryk	-172	-151	25.04.2025	-186	11.04.2025
Aktay	-156	-149	19.04.2025	-165	05.04.2025
Peschany	-86	-83	03.04.2025	-88	07.04.2025
Fetisovo	-123	-115	11.04.2025	-130	15.04.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in April was about 12.9°C, with fluctuations from minus 1.6°C (Peshnoy) to 28.2°C (Kuryk).

Air temperature.

The average air temperature in April was about 14.1°C. The maximum air temperature reached 27.6°C in the area of Kuryk, the minimum air temperature reached minus 0.0°C in the area of the Peshnoy sea station.

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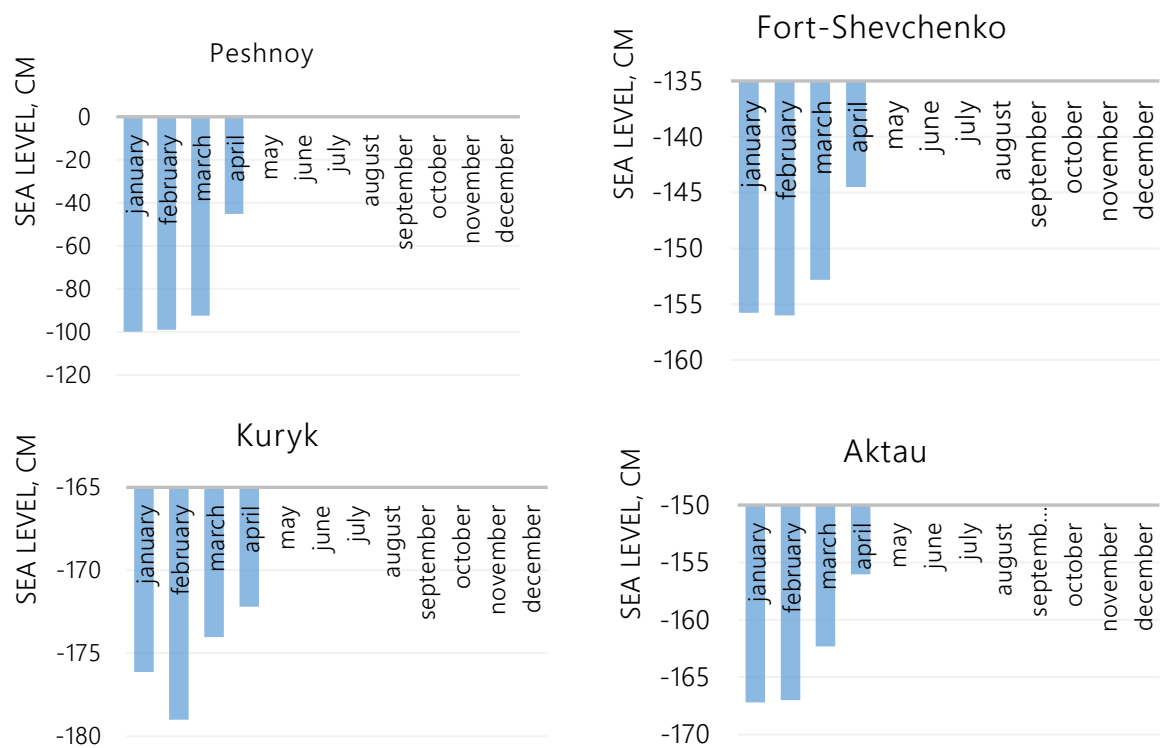


Fig.1. Average sea level, cm

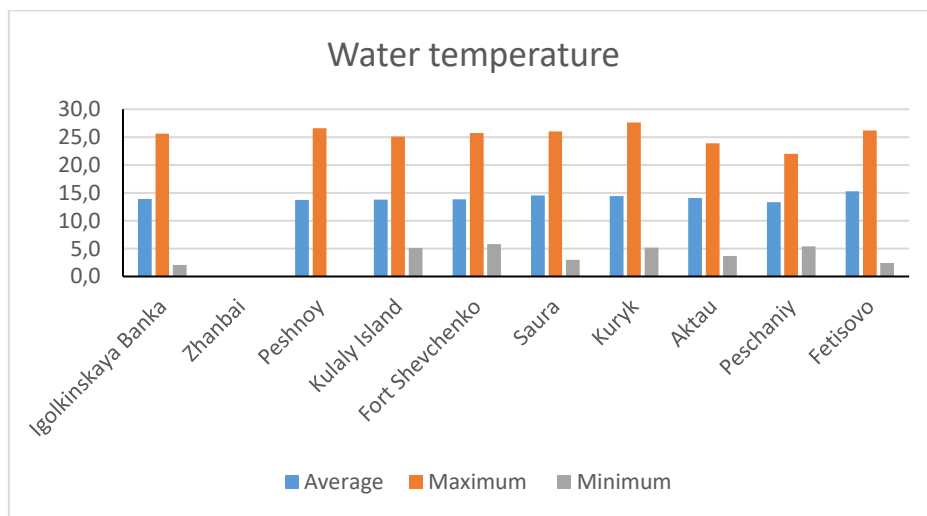


Fig.2. Water temperature, °C

Wind speed and direction.

In April in the Kazakh part of the Caspian Sea, the average wind speed was about 4.7 m/s, the maximum speed reached 16 m/s (Peshnoy).

The prevailing wind direction in April was north (11.3%), east (11.0%) and south-east (10.5%).