

Astana 2025, № 3

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

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

In March, 9 cases of surge phenomena were observed. In Saura, the level rise reached 29 cm (from minus 29.60 to minus 29.31 m). In Fort Shevchenko, a drop in the level of 22 cm was observed (from minus 29.46 to minus 29.68 m).

Sea level.

The maximum was recorded at the Igolinskaya Banka - 121 cm, and the minimum at the Kuryk - minus 186 cm. The average level was minus 111 cm or minus 29.11 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	114	121	10.03.2025	102	29.03.2025
Zhanbay					
Peshnoy	-93	-61	31.03.2025	-123	22.03.2025
Kulaly	-155	-151	17.03.2025	-159	22.03.2025
Fort-Shevchenko	-153	-144	06.03.2025	-168	19.03.2025
Saura	-168	-166	05.03.2025	-174	04.03.2025
Kuryk	-174	-163	30.03.2025	-186	20.03.2025
Aktay	-162	-131	05.03.2025	-170	25.03.2025
Peschany	-85	-82	02.03.2025	-90	27.03.2025
Fetisovo	-126	-112	24.03.2025	-140	14.03.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in March was about 5.5°C, with fluctuations from minus 2.1°C (Kulaly) to 19.0°C (Kuryk).

Air temperature.

The average air temperature in March was about 6.8°C. The maximum air temperature reached 27.8°C in the area of Kuryk, the minimum air temperature reached minus 21.2°C in the area of the Peshnoy sea station.

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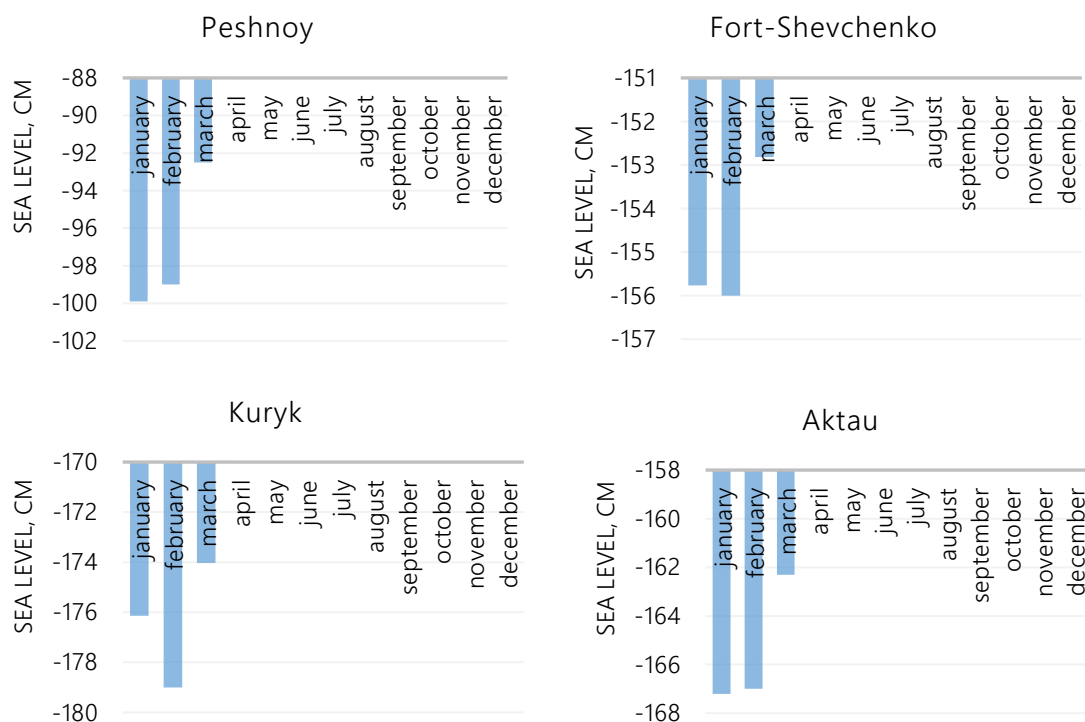


Fig.1. Average sea level, cm

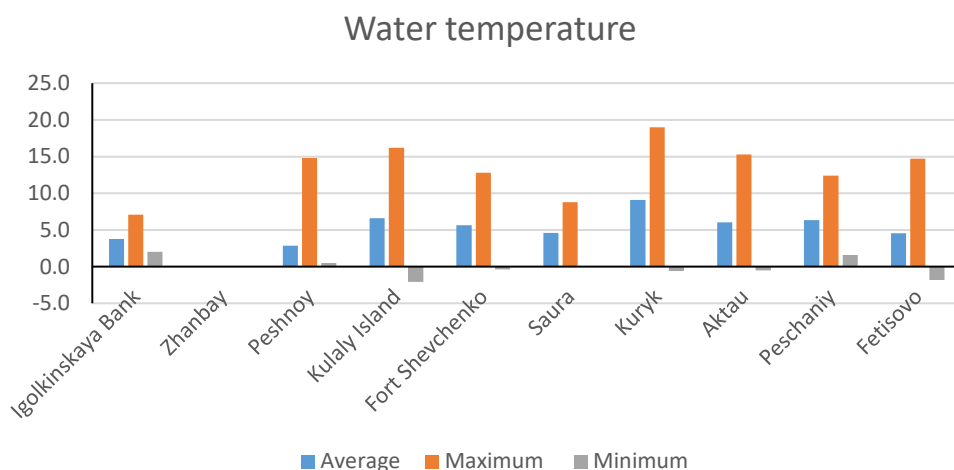


Fig.2. Water temperature, °C

Wind speed and direction.

In March, in the Kazakh part of the Caspian Sea, the average wind speed was about 4.8 m/s, the maximum speed reached 15 m/s (Fort-Shevchenko).

The prevailing wind direction in March was south-east (19.6%), east (14.6%).