

Astana 2025, № 9

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

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

In September, 10 cases of surge phenomena were observed. In Fort-Shevchenko, a drop in the level of 20 cm (from minus 29.48 to minus 29.68m).

Sea level.

The maximum was recorded at the Igolinskaya Banka - 147 cm, and the minimum at the Kuryk - minus 195 cm. The average level was minus 118 cm or minus 29.18 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	143	147	01.09.2025	140	19.09.2025
Zhanbay					
Peshnoy	-115	-100	04.09.2025	-127	30.09.2025
Kulaly	-157	-136	16.09.2025	-176	30.09.2025
Fort-Shevchenko	-158	-144	03.09.2025	-176	14.09.2025
Saura	-158	-142	01.09.2025	-167	11.09.2025
Kuryk	-181	-146	21.09.2025	-195	30.09.2025
Aktay	-159	-152	04.09.2025	-172	30.09.2025
Peschany	-152	-147	26.09.2025	-154	07.09.2025
Fetisovo	-129	-111	06.09.2025	-142	19.09.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in September was about 18.2°C, with fluctuations from 2.5°C (Pehnoy) to 28.9 C (Peshnoy).

Air temperature.

The average air temperature in September was about 19.6°C. The maximum air temperature reached 34.3°C in the area of Peshnoy, the minimum air temperature reached 2.4°C in the area of the Peshnoy sea station.

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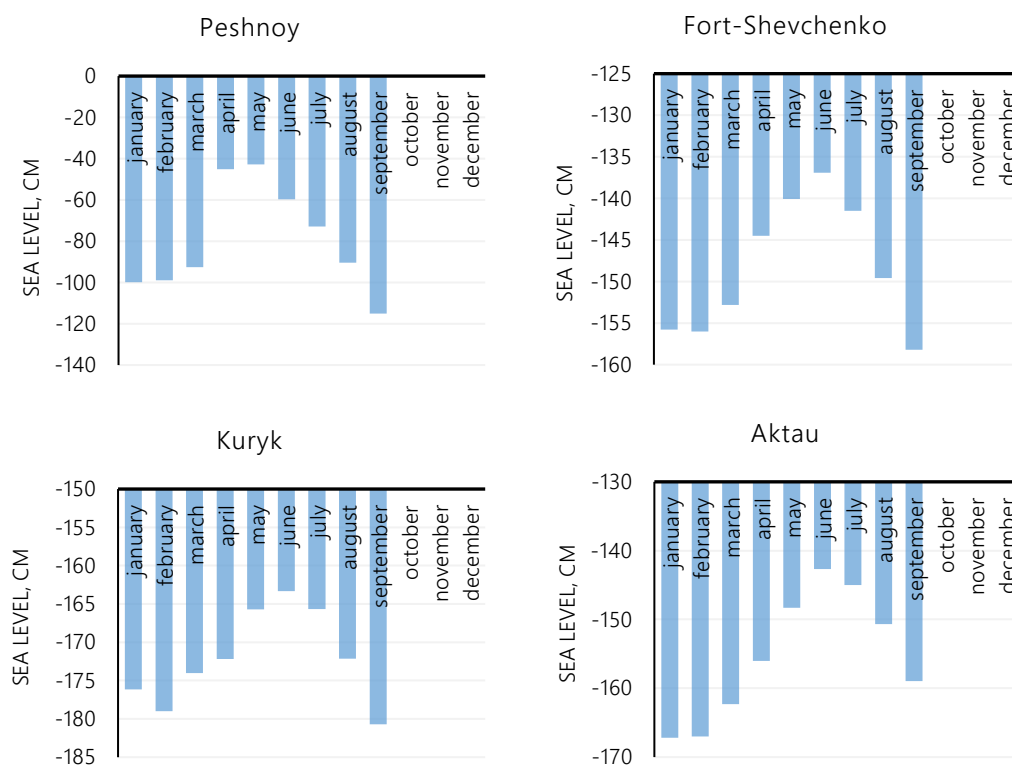


Fig.1. Average sea level, cm

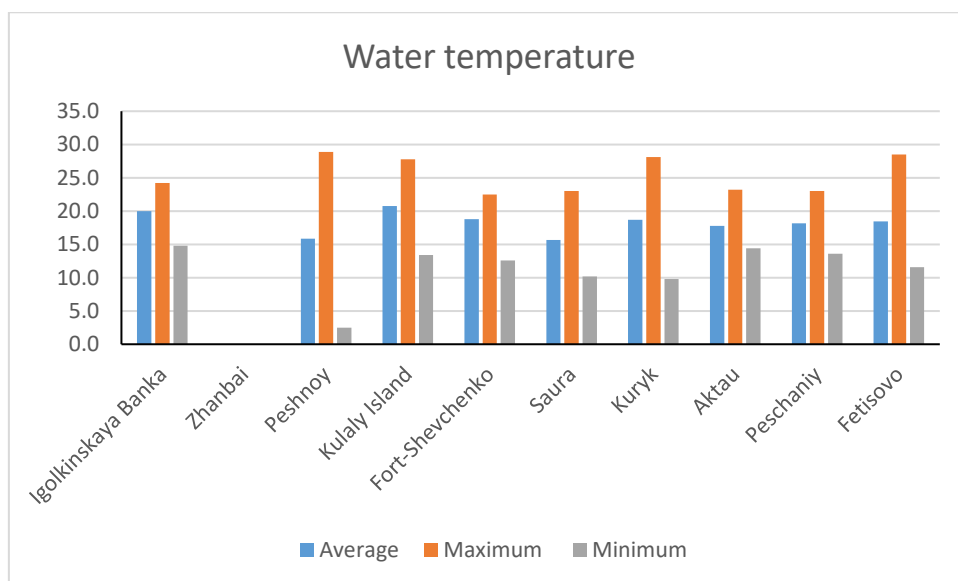


Fig.2. Water temperature, °C

Wind speed and direction.

In September in the Kazakh part of the Caspian Sea, the average wind speed was about 4.4 m/s, the maximum speed reached 13 m/s (Kulaly island).

The prevailing wind direction in August was northeast (18.5%), eastern (14.8%) and northern (14.6%).