

Astana 2025, № 8

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

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

In August, 3 cases of surge phenomena were observed. In Fort-Shevchenko, a drop in the level of 20 cm (from minus 29.36 to minus 29.56 m).

Sea level.

The maximum was recorded at the Igolkinskaya Banka - 158 cm, and the minimum at the Kuryk - minus 181 cm. The average level was minus 109 cm or minus 29.09 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolkinskaya banka	153	158	07.08.2025	145	28.08.2025
Zhanbay					
Peshnoy	-90	-75	18.08.2025	-112	31.08.2025
Kulaly	-144	-138	03.08.2025	-156	30.08.2025
Fort-Shevchenko	-150	-134	04.08.2025	-168	21.08.2025
Saura	-149	-137	10.08.2025	-159	30.08.2025
Kuryk	-172	-161	02.08.2025	-181	28.08.2025
Aktay	-151	-145	08.08.2025	-158	23.08.2025
Peschany	-151	-147	21.08.2025	-154	01.08.2025
Fetisovo	-124	-112	14.08.2025	-134	31.08.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in august was about 23.2°C, with fluctuations from 11.8°C (Saura) to 32.1 C (Kulaly island).

Air temperature.

The average air temperature in august was about 27.0°C. The maximum air temperature reached 39.0°C in the area of Kuryk, the minimum air temperature reached 13.1°C in the area of the Pehnoy sea station.

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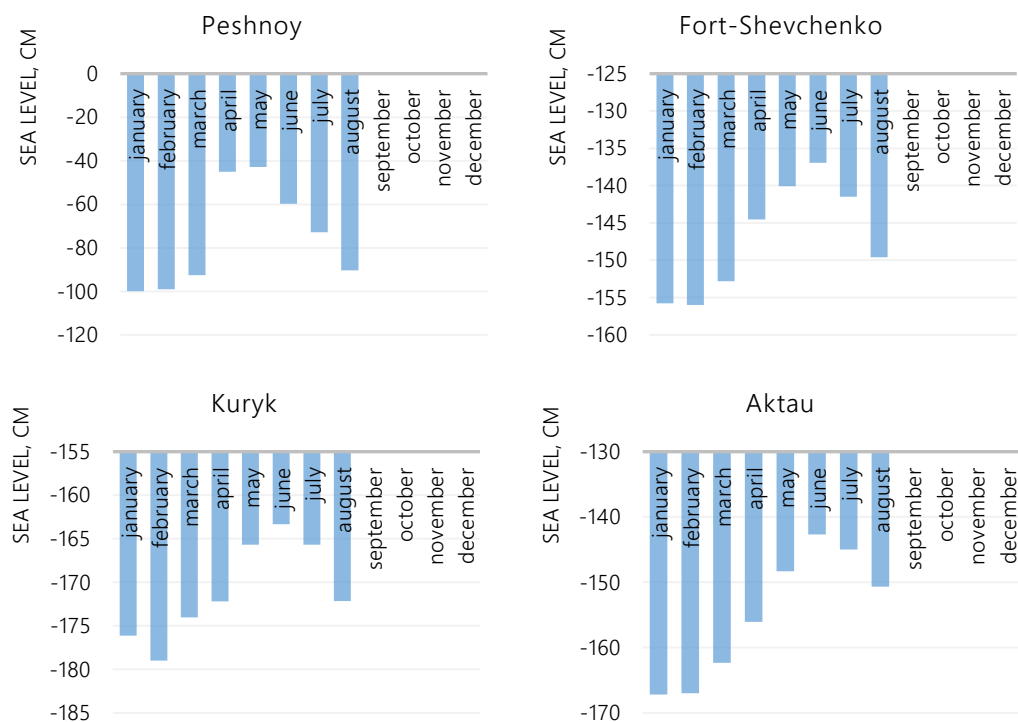


Fig.1. Average sea level, cm

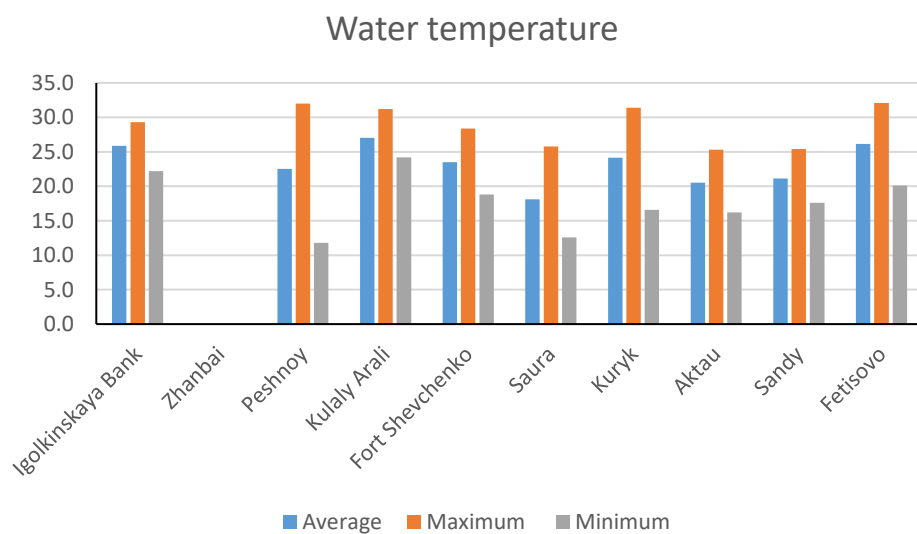


Fig.2. Water temperature, °C

Wind speed and direction.

In august in the Kazakh part of the Caspian Sea, the average wind speed was about 4.4 m/s, the maximum speed reached 20 m/s (Kulaly island).

The prevailing wind direction in august was north (12.3%), south-east(11.3%) and eastern (11.0%).