

Astana 2025, № 7

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

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

In July, 4 cases of surge phenomena were observed. In Pehnoy, the level rise reached 16 cm (from minus 28.68 to minus 28.52 m). In Fetisovo, a drop in the level of 15 cm was observed (from minus 29.23 to minus 29.38 m).

Sea level.

The maximum was recorded at the Igolinskaya Banka - 188 cm, and the minimum at the Kuryk - minus 178 cm. The average level was minus 102 cm or minus 29.02 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	167	188	01.07.2025	150	22.07.2025
Zhanbay					
Peshnoy	-73	-32	07.07.2025	-84	30.07.2025
Kulaly	-146	-135	01.07.2025	-150	09.07.2025
Fort-Shevchenko	-141	-132	12.07.2025	-152	04.07.2025
Saura	-142	-132	10.07.2025	-169	19.07.2025
Kuryk	-166	-154	15.07.2025	-178	04.07.2025
Aktay	-145	-139	13.07.2025	-152	19.07.2025
Peschany	-152	-149	02.07.2025	-173	16.07.2025
Fetisovo	-123	-107	03.07.2025	-142	09.07.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in July was about 23.8°C, with fluctuations from minus 11.2°C (Saura) to 33.0°C (Pehnoy).

Air temperature.

The average air temperature in July was about 27.9°C. The maximum air temperature reached 40.4°C in the area of Aktay, the minimum air temperature reached minus 12.1°C in the area of the Pehnoy sea station.

04.08.2025

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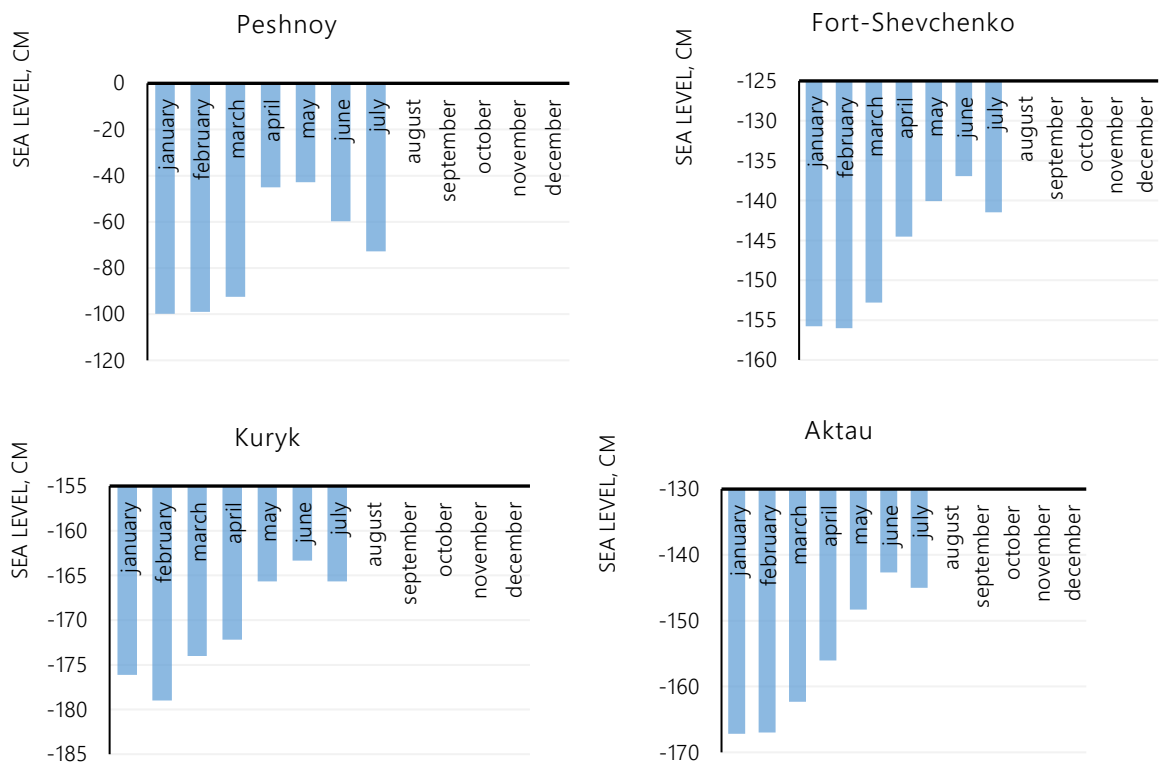


Fig.1. Average sea level, cm

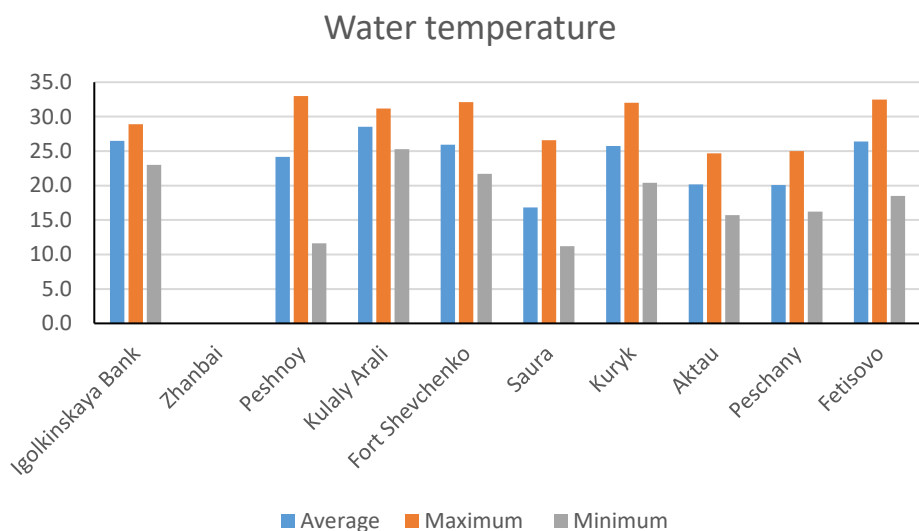


Fig.2. Water temperature, °C

Wind speed and direction.

In Jule in the Kazakh part of the Caspian Sea, the average wind speed was about 4.1 m/s, the maximum speed reached 16 m/s (Pehnoy).

The prevailing wind direction in Jule was northwest (15.9%), north (15.3%) and west (13.4%).