

Astana 2025, № 10

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

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

In October, 10 cases of surge phenomena were observed. In Fort-Shevchenko, a drop in the level of 24 cm (from minus 29.54 to minus 29.78m).

Sea level.

The maximum was recorded at the Igolinskaya Banka - 148 cm, and the minimum at the Kuryk - minus 195 cm. The average level was minus 124 cm or minus 29.24 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	144	148	25.10.2025	140	08.10.2025
Zhanbay					
Peshnoy	-126	-122	22.10.2025	-130	15.10.2025
Kulaly	-169	-156	11.10.2025	-177	01.10.2025
Fort-Shevchenko	-162	-149	10.10.2025	-178	30.10.2025
Saura	-161	-132	30.10.2025	-172	01.10.2025
Kuryk	-185	-168	30.10.2025	-195	01.10.2025
Aktay	-164	-154	05.10.2025	-171	01.10.2025
Peschany	-153	-149	05.10.2025	-156	26.10.2025
Fetisovo	-137	-124	31.10.2025	-146	08.10.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in October was about 13.6°C, with fluctuations from 0.6°C (Peshnoy) to 23.1 C (Fetisovo).

Air temperature.

The average air temperature in October was about 14.5°C. The maximum air temperature reached 27.0°C in the area of Fort-Shevchenko, the minimum air temperature reached 0.4°C in the area of the Peshnoy sea station.

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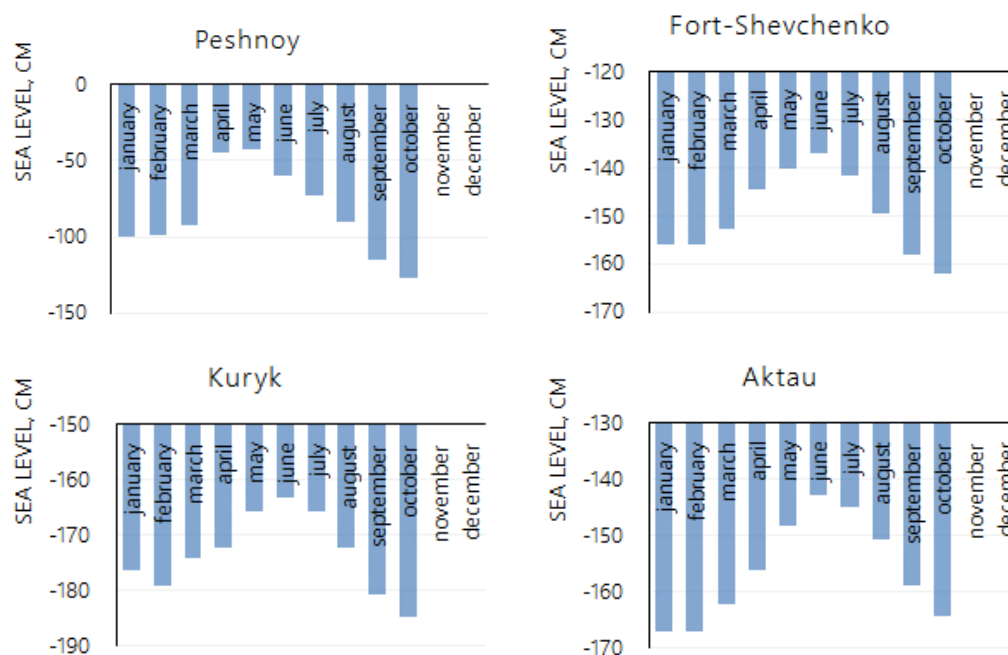


Fig.1. Average sea level, cm

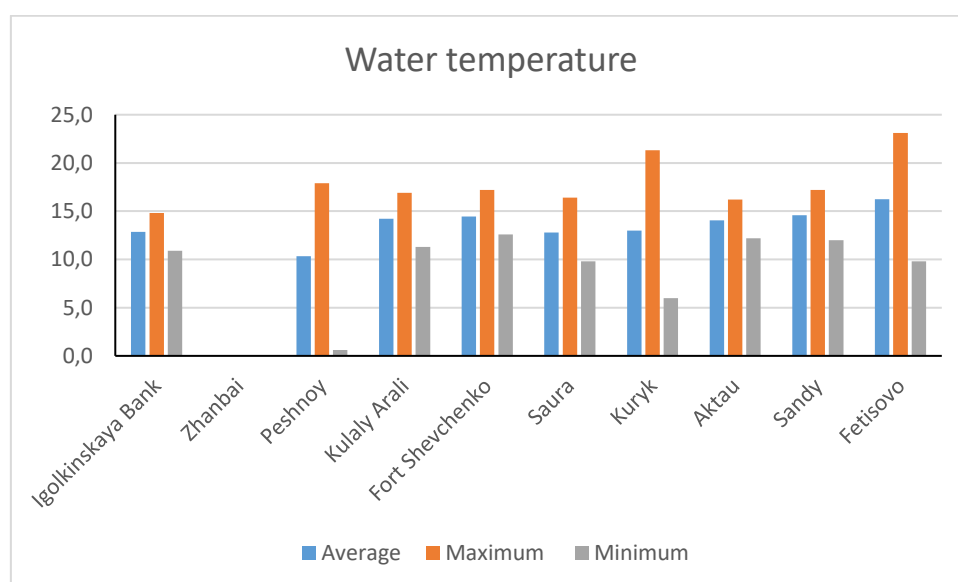


Fig.2. Water temperature, °C

Wind speed and direction.

In October in the Kazakh part of the Caspian Sea, the average wind speed was about 4.6 m/s, the maximum speed reached 14 m/s (Fetisovo).

The prevailing wind direction in October was eastern (22.8%), south-east (15.6%) and northeast (11.9%).