

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

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

In February, 5 cases of surge phenomena were observed. In Peschany, the level rise reached 16 cm (-29.00 m). In Peschany there was a drop in level of 19 cm (-29.18 m).

Sea level.

The maximum was recorded at the Igolkinskaya Banka point - 104 cm, and the minimum at the Kuryk point - minus 192 cm. The average level was minus 116 cm or minus 29.16 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolkinskaya banka	97	104	28.02.2025	94	01.02.2025
Zhanbay					
Peshnoy	-99	-88	17.02.2025	-118	23.01.2025
Kulaly	-156	-148	04.02.2025	-159	08.02.2025
Fort-Shevchenko	-156	-146	02.02.2025	-170	18.02.2025
Saura	-168	-163	05.02.2025	-174	07.02.2025
Kuryk	-179	-160	06.02.2025	-192	21.02.2025
Aktay	-167	-160	26.02.2025	-173	08.02.2025
Peschany	-86	-80	27.02.2025	-89	09.02.2025
Fetisovo	-134	-120	27.02.2025	-147	01.02.2025

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in February was about 2,0°C, with fluctuations from minus 2,1°C (Kulaly) to 8.8°C (Kuryk).

Air temperature.

The average air temperature in February was about minus 2.3°C. The maximum air temperature reached 11.0°C in the area of Aktay, the minimum air temperature reached minus 16.4°C in the area of the Peshnoy sea station.

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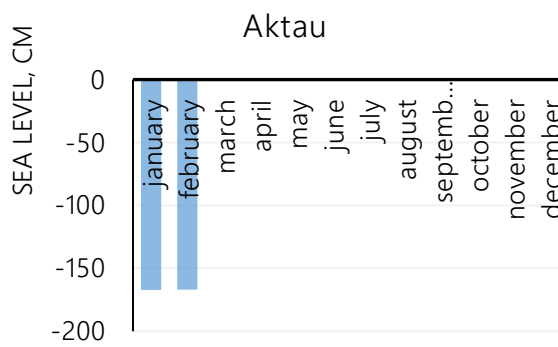
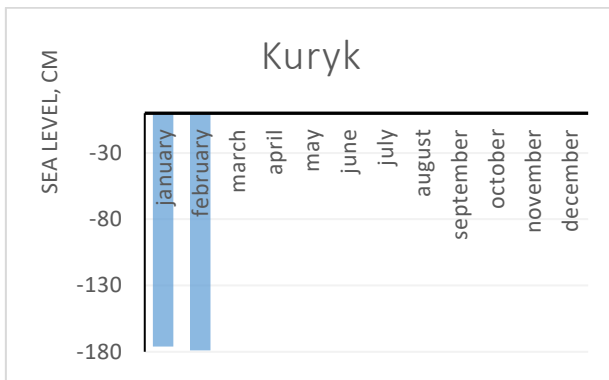
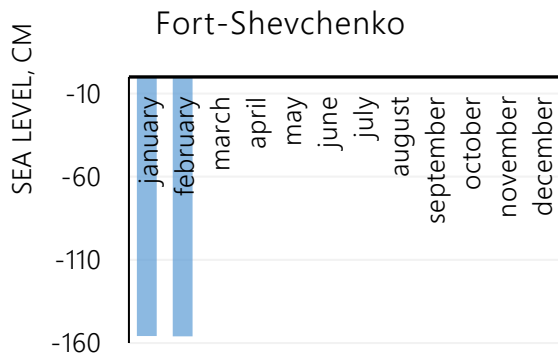
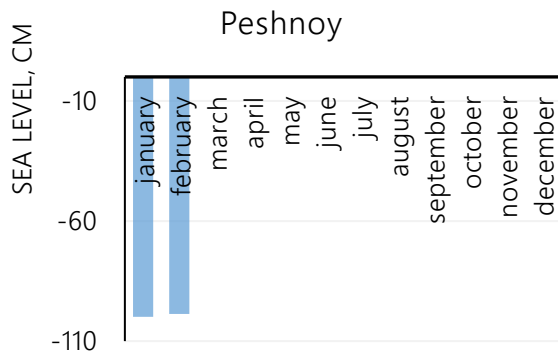


Fig.1. Average sea level, cm

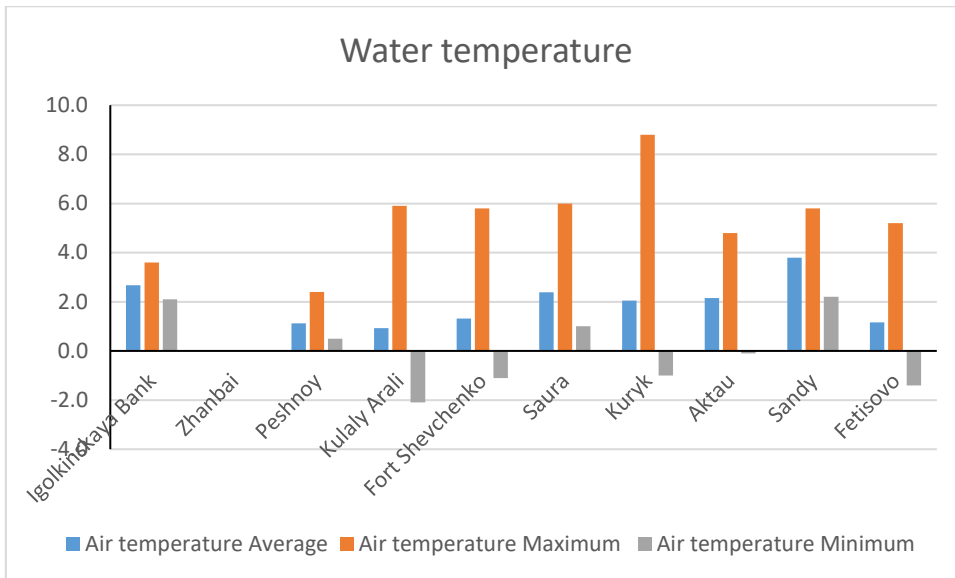


Fig.2. Water temperature, °C

Wind speed and direction.

In January, in the Kazakh part of the Caspian Sea, the average wind speed was about 4.8 m/s, the maximum speed reached 16 m/s (Peshnoy).

The predominant wind direction in January was southeast (24.0%), east (12.5%).