

Astana 2025, № 5

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

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

In May, 10 cases of surge phenomena were observed. In Fetisovo, the level rise reached 19 cm (from minus 29.29 to minus 29.1 m). In Fort Shevchenko, a drop in the level of 18 cm was observed (from minus 29.38 to minus 29.56 m).

### Sea level.

The maximum was recorded at the Igolinskaya Banka - 232 cm, and the minimum at the Kuryk - minus 182 cm. The average level was minus 96 cm or minus 28.96 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	156	232	29.05.2025	94	01.05.2025
Zhanbay					
Peshnoy	-43	-24	01.05.2025	-79	29.05.2025
Kulaly	-147	-142	02.05.2025	-153	12.05.2025
Fort-Shevchenko	-140	-128	17.05.2025	-156	21.05.2025
Saura	-165	-137	30.05.2025	-168	01.05.2025
Kuryk	-166	-141	06.05.2025	-182	27.05.2025
Aktay	-148	-139	31.05.2025	-159	01.05.2025
Peschany	-86	-83	14.05.2025	-88	01.05.2025
Fetisovo	-122	-110	19.05.2025	-133	11.05.2025

Note: MHP Zhanbay data were received with gaps

### Water temperature.

The average water temperature in May was about 17.6°C, with fluctuations from minus 5.4°C (Peshnoy) to 29.3°C (Fetisovo).

### Air temperature.

The average air temperature in May was about 19.9°C. The maximum air temperature (35.1°C) and minimum temperature (5.8°C) were observed in the area of the Pesnoy marine station.

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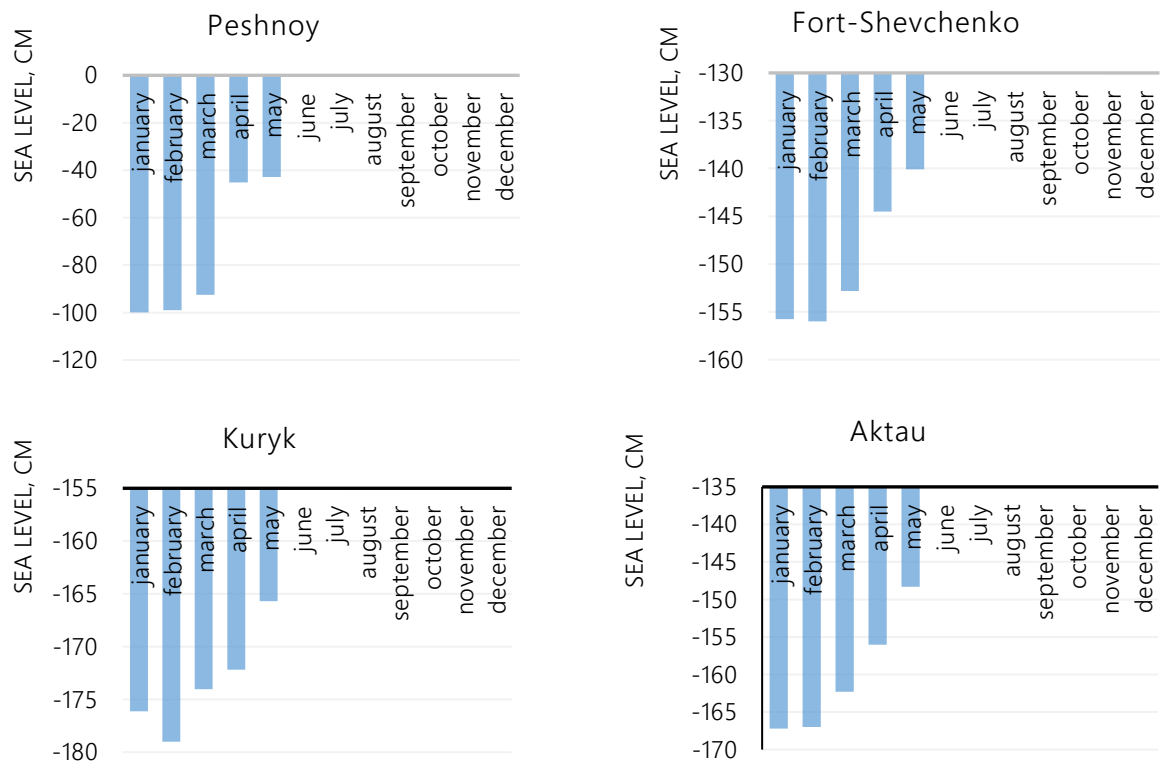


Fig.1. Average sea level, cm

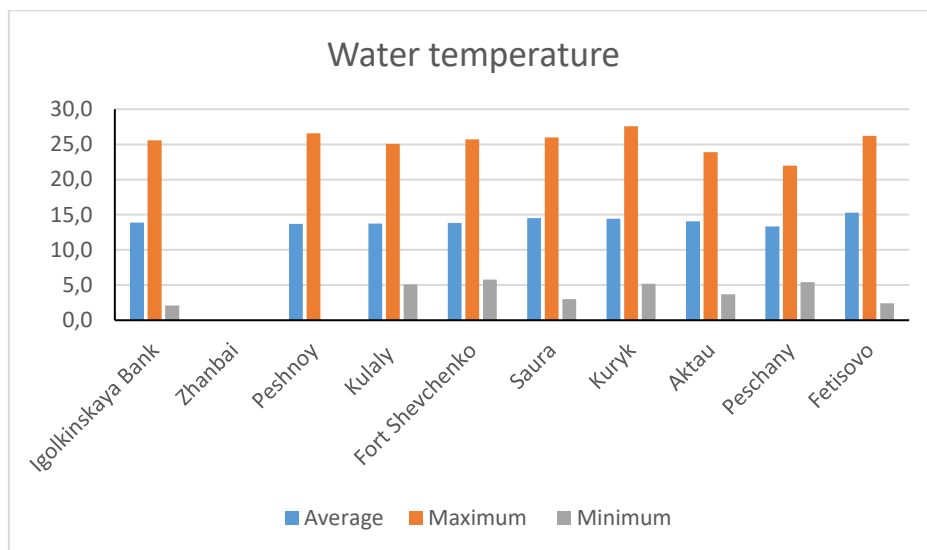


Fig.2. Water temperature, °C

### Wind speed and direction.

In May in the Kazakh part of the Caspian Sea, the average wind speed was about 4.6 m/s, the maximum speed reached 16 m/s (Peshnoy).

The prevailing wind direction in May was west (13.9%), northwest (12.8%) and east (10.8%).