

Astana 2025, № 6

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

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

In May, 6 cases of surge phenomena were observed. In Pehnoy, the level rise reached 44 cm (from minus 28.76 to minus 28.32 m). In Fetisovo, a drop in the level of 17 cm was observed (from minus 29.10 to minus 29.27 m).

Sea level.

The maximum was recorded at the Igolinskaya Banka - 232 cm, and the minimum at the Kuryk - minus 186 cm. The average level was minus 93 cm or minus 28.93 m BS.

Table 1. Characteristics of sea level

| Station name | Mean level | Maximum level | Date of observation | Minimum level | Date of observation |
|-------------------|------------|---------------|---------------------|---------------|---------------------|
| Igolinskaya banka | 212 | 232 | 01.06.2025 | 189 | 30.06.2025 |
| Zhanbay | | | | | |
| Peshnoy | -60 | -30 | 24.06.2025 | -79 | 23.01.2025 |
| Kulaly | -145 | -140 | 20.06.2025 | -152 | 15.06.2025 |
| Fort-Shevchenko | -137 | -120 | 24.06.2025 | -156 | 17.06.2025 |
| Saura | -138 | -129 | 25.06.2025 | -150 | 23.06.2025 |
| Kuryk | -163 | -136 | 03.06.2025 | -186 | 21.06.2025 |
| Aktay | -143 | -133 | 08.06.2025 | -157 | 12.06.2025 |
| Peschany | -144 | -82 | 03.06.2025 | -154 | 18.06.2025 |
| Fetisovo | -119 | -108 | 28.06.2025 | -129 | 01.06.2025 |

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in June was about 21.0°C, with fluctuations from minus 11.2°C (Saura) to 32.5°C (Fetisovo).

Air temperature.

The average air temperature in June was about 23.1°C. The maximum air temperature reached 35.1°C in the area of Fetisovo, the minimum air temperature reached minus 11.5°C in the area of the Igolinskaya banka sea station.

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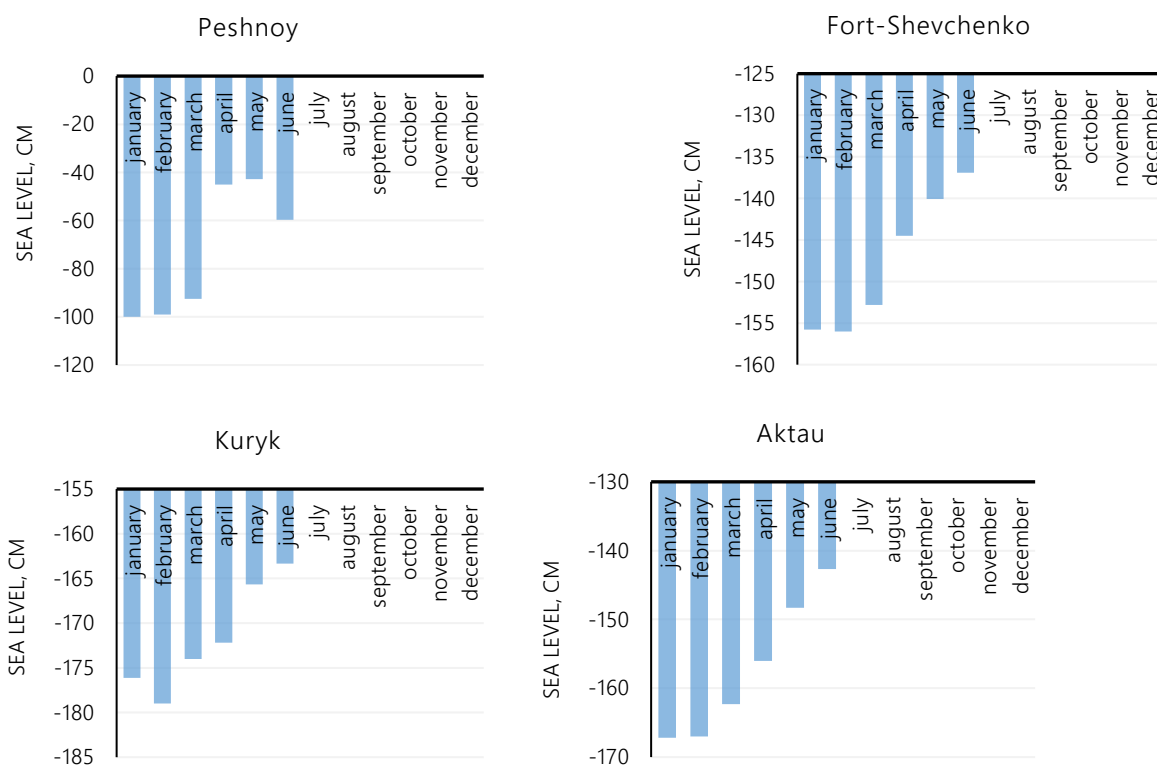


Fig.1. Average sea level, cm

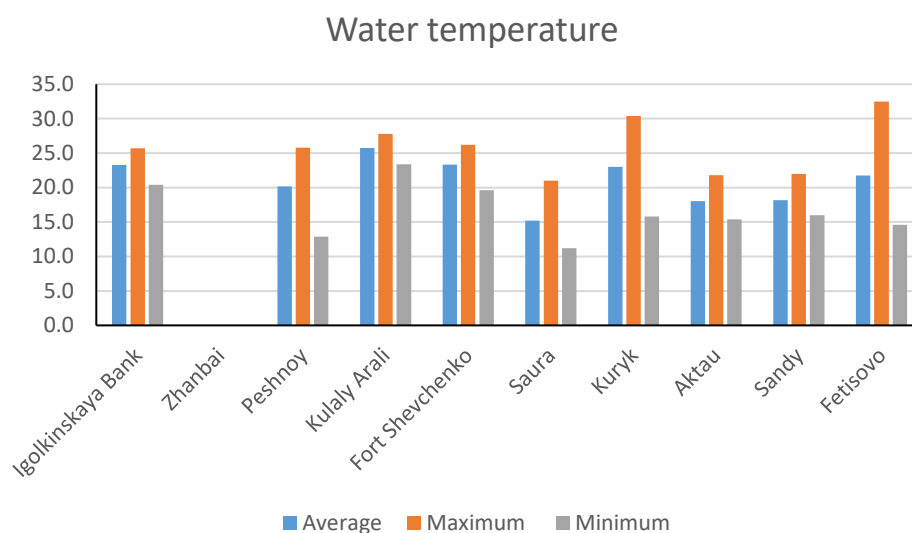


Fig.2. Water temperature, °C

Wind speed and direction.

In June 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 (Fetisovo).

The prevailing wind direction in June was west (20.9%), northwest (15.8%) and southwest (14.3%).