

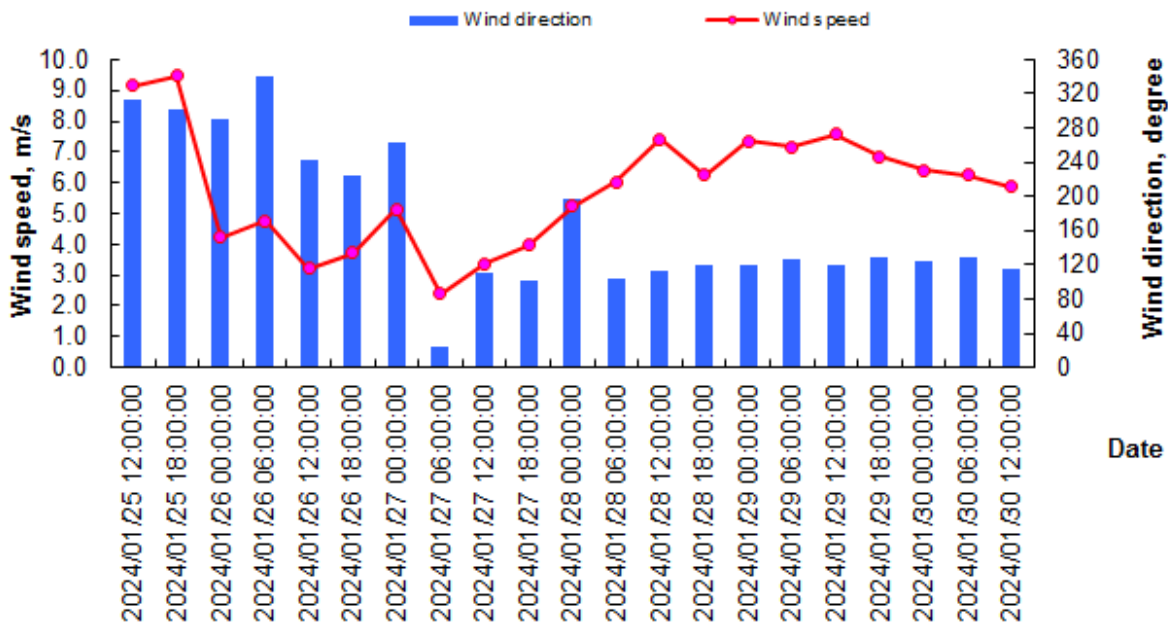


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

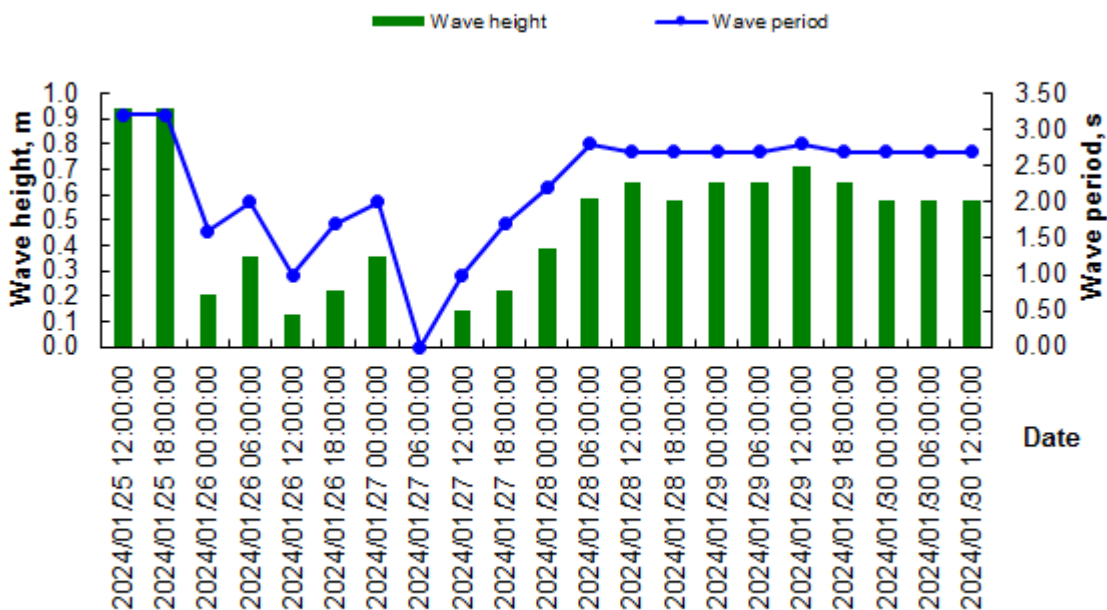
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 25-30 January 2023.**

Wind condition in the 21050 unit



Wave condition in the 21050 unit



| Date Time | Wind speed (WS) and wind direction (WD) | | Wave height (H) and wave period (τ) | |
|---------------------|---|----------|--|------|
| | WS, m/s | WD, rumb | H, m | t, s |
| 2024/01/25 12:00:00 | 9 | NW | 0.94 | 3.20 |
| 2024/01/25 18:00:00 | 9 | NW | 0.94 | 3.20 |
| 2024/01/26 00:00:00 | 4 | W | 0.21 | 1.60 |
| 2024/01/26 06:00:00 | 5 | N | 0.36 | 2.00 |
| 2024/01/26 12:00:00 | 3 | SW | 0.13 | 1.00 |
| 2024/01/26 18:00:00 | 4 | SW | 0.22 | 1.70 |
| 2024/01/27 00:00:00 | 5 | W | 0.36 | 2.00 |
| 2024/01/27 06:00:00 | 2 | NE | 0.00 | 0.00 |
| 2024/01/27 12:00:00 | 3 | E | 0.14 | 1.00 |
| 2024/01/27 18:00:00 | 4 | E | 0.22 | 1.70 |
| 2024/01/28 00:00:00 | 5 | S | 0.39 | 2.20 |
| 2024/01/28 06:00:00 | 6 | E | 0.59 | 2.80 |
| 2024/01/28 12:00:00 | 7 | SE | 0.65 | 2.70 |
| 2024/01/28 18:00:00 | 6 | SE | 0.58 | 2.70 |
| 2024/01/29 00:00:00 | 7 | SE | 0.65 | 2.70 |
| 2024/01/29 06:00:00 | 7 | SE | 0.65 | 2.70 |
| 2024/01/29 12:00:00 | 8 | SE | 0.71 | 2.80 |
| 2024/01/29 18:00:00 | 7 | SE | 0.65 | 2.70 |
| 2024/01/30 00:00:00 | 6 | SE | 0.58 | 2.70 |
| 2024/01/30 06:00:00 | 6 | SE | 0.58 | 2.70 |
| 2024/01/30 12:00:00 | 6 | SE | 0.58 | 2.70 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;

e-mail: ugmikm@meteo.kz

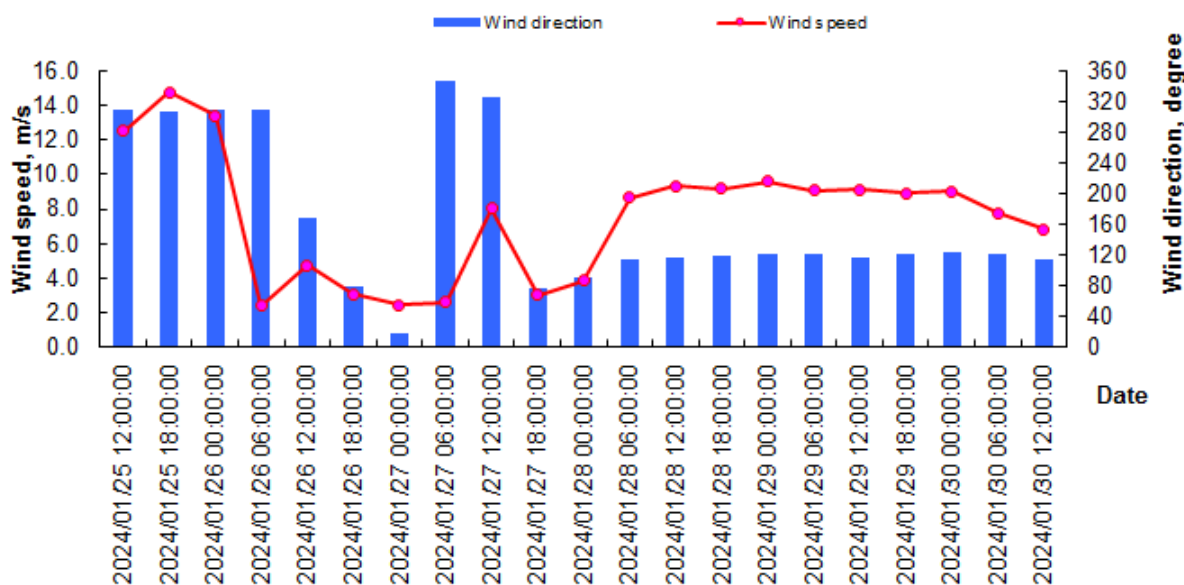


MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN

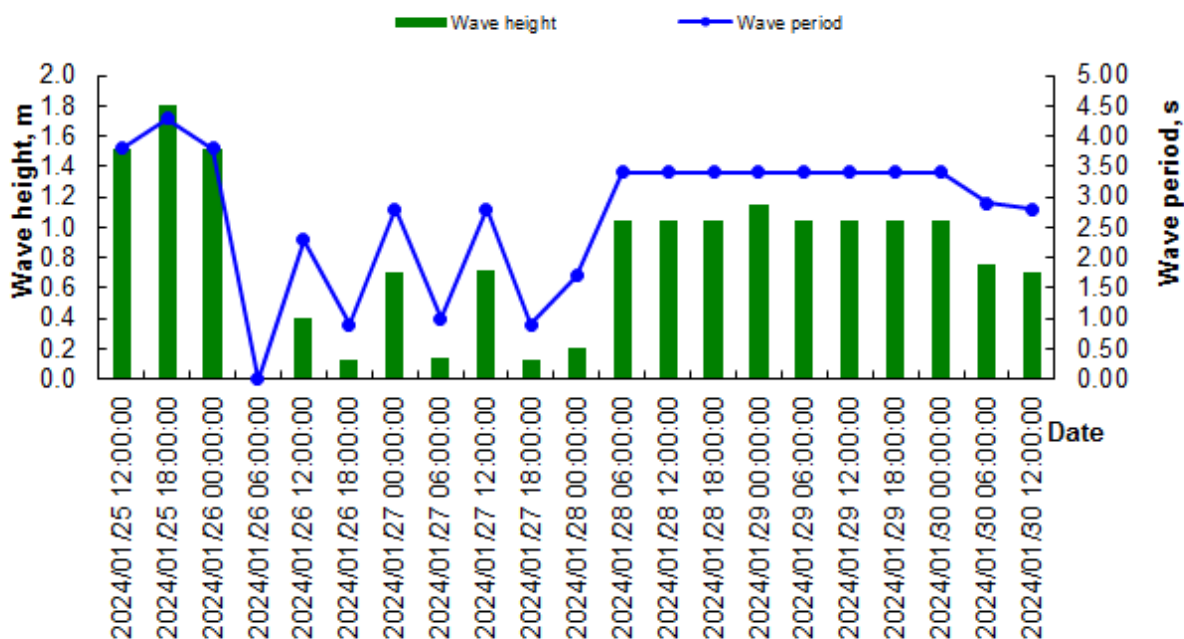
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 25-30 January 2023.

Wind condition in the 21141 unit



Wave condition in the 21141 unit



| Date Time | Wind speed (WS) and wind direction (WD) | | Wave height (H) and wave period (τ) | |
|---------------------|---|----------|--|------|
| | WS, m/s | WD, rumb | H, m | t, s |
| 2024/01/25 12:00:00 | 13 | NW | 1.52 | 3.80 |
| 2024/01/25 18:00:00 | 15 | NW | 1.80 | 4.30 |
| 2024/01/26 00:00:00 | 13 | NW | 1.52 | 3.80 |
| 2024/01/26 06:00:00 | 2 | NW | 0.00 | 0.00 |
| 2024/01/26 12:00:00 | 5 | S | 0.40 | 2.30 |
| 2024/01/26 18:00:00 | 3 | E | 0.12 | 0.90 |
| 2024/01/27 00:00:00 | 7 | N | 0.70 | 2.80 |
| 2024/01/27 06:00:00 | 3 | N | 0.14 | 1.00 |
| 2024/01/27 12:00:00 | 8 | NW | 0.72 | 2.80 |
| 2024/01/27 18:00:00 | 3 | E | 0.12 | 0.90 |
| 2024/01/28 00:00:00 | 4 | E | 0.20 | 1.70 |
| 2024/01/28 06:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/28 12:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/28 18:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/29 00:00:00 | 10 | SE | 1.15 | 3.40 |
| 2024/01/29 06:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/29 12:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/29 18:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/30 00:00:00 | 9 | SE | 1.05 | 3.40 |
| 2024/01/30 06:00:00 | 8 | SE | 0.75 | 2.90 |
| 2024/01/30 12:00:00 | 7 | SE | 0.70 | 2.80 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: ugmikm@meteo.kz

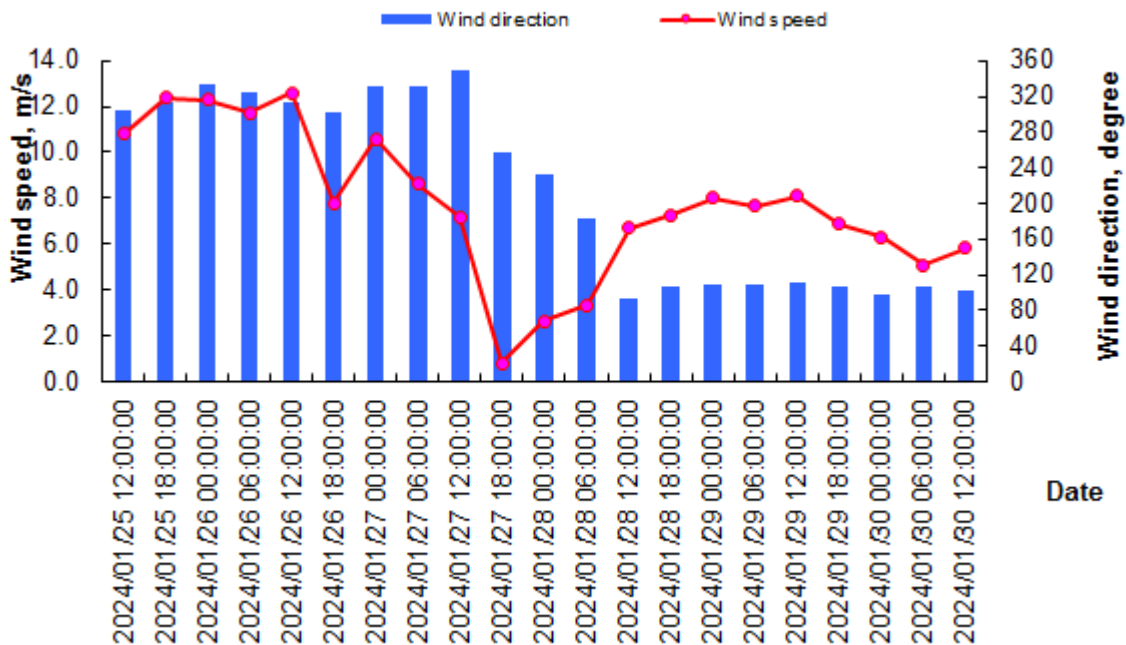


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

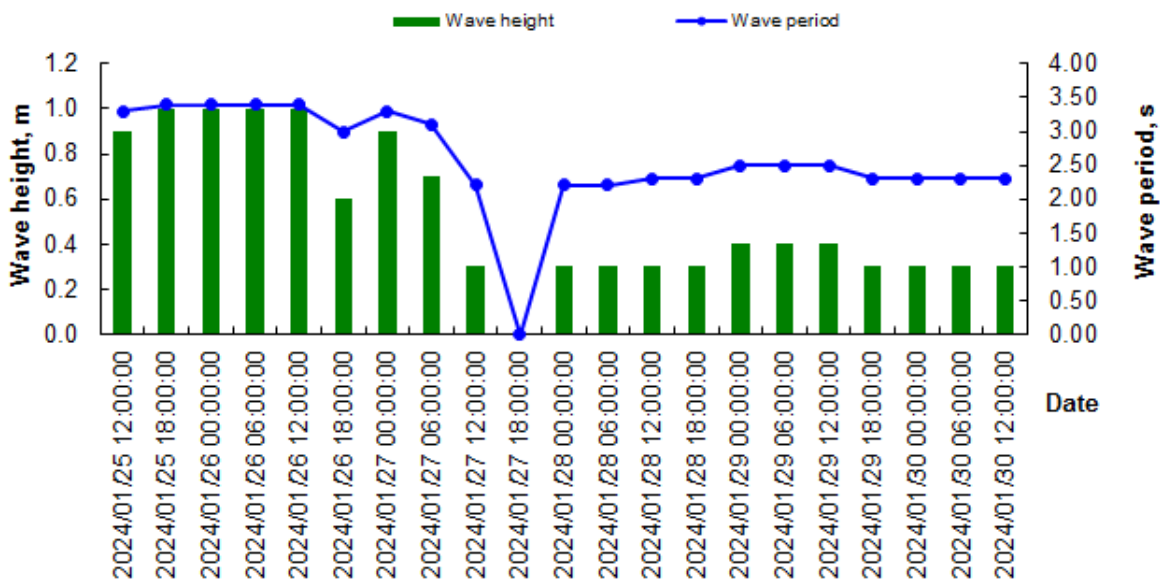
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 25-30 January 2023.**

Wind condition in the Bautino Bay



Wave condition in the Bautino Bay



| Date Time | Wind speed (WS) and wind direction (WD) | | Wave height (H) and wave period (τ) | |
|---------------------|--|----------|--|------|
| | WS, m/s | WD, rumb | H, m | t, s |
| | | | | |
| 2024/01/25 12:00:00 | 11 | NW | 0.90 | 3.30 |
| 2024/01/25 18:00:00 | 12 | NW | 1.00 | 3.40 |
| 2024/01/26 00:00:00 | 12 | NW | 1.00 | 3.40 |
| 2024/01/26 06:00:00 | 12 | NW | 1.00 | 3.40 |
| 2024/01/26 12:00:00 | 13 | NW | 1.00 | 3.40 |
| 2024/01/26 18:00:00 | 8 | NW | 0.60 | 3.00 |
| 2024/01/27 00:00:00 | 11 | NW | 0.90 | 3.30 |
| 2024/01/27 06:00:00 | 9 | NW | 0.70 | 3.10 |
| 2024/01/27 12:00:00 | 7 | N | 0.30 | 2.20 |
| 2024/01/27 18:00:00 | 1 | W | 0.00 | 0.00 |
| 2024/01/28 00:00:00 | 3 | SW | 0.30 | 2.20 |
| 2024/01/28 06:00:00 | 3 | S | 0.30 | 2.20 |
| 2024/01/28 12:00:00 | 7 | E | 0.30 | 2.30 |
| 2024/01/28 18:00:00 | 7 | E | 0.30 | 2.30 |
| 2024/01/29 00:00:00 | 8 | E | 0.40 | 2.50 |
| 2024/01/29 06:00:00 | 8 | E | 0.40 | 2.50 |
| 2024/01/29 12:00:00 | 8 | E | 0.40 | 2.50 |
| 2024/01/29 18:00:00 | 7 | E | 0.30 | 2.30 |
| 2024/01/30 00:00:00 | 6 | E | 0.30 | 2.30 |
| 2024/01/30 06:00:00 | 5 | E | 0.30 | 2.30 |
| 2024/01/30 12:00:00 | 6 | E | 0.30 | 2.30 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;

e-mail: ugmikm@meteo.kz

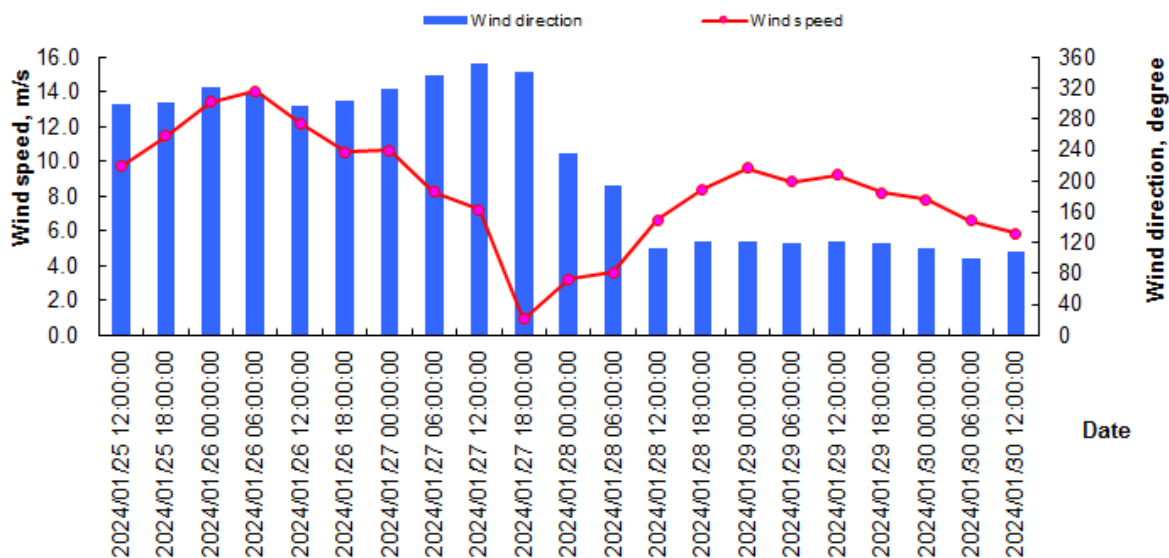


MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN

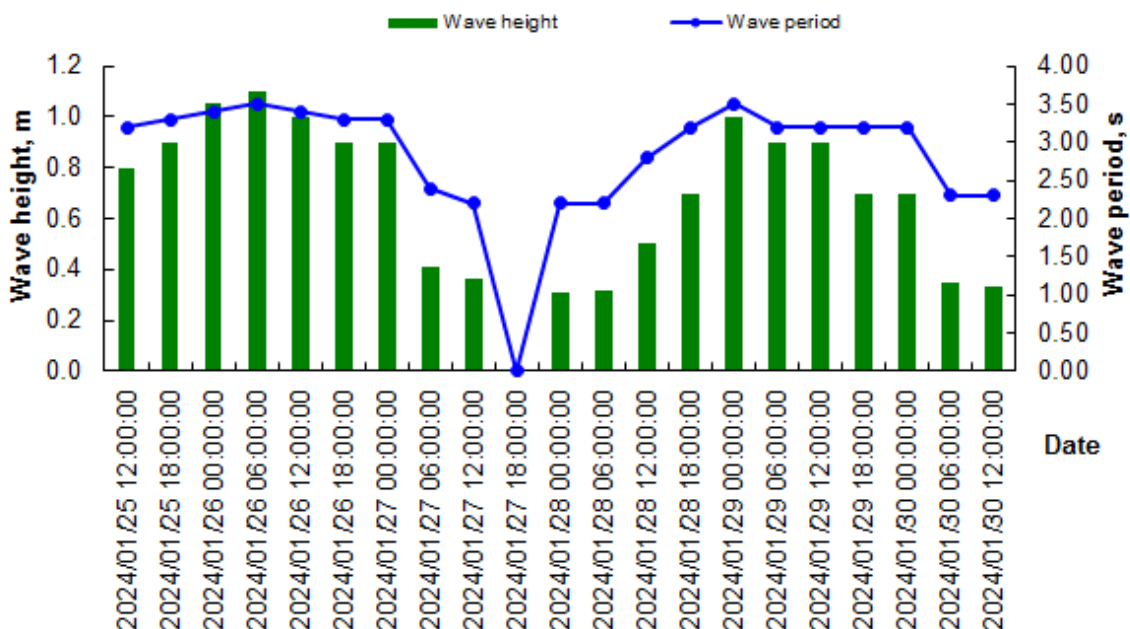
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 25-30 January 2024.

Wind condition in the Kuryik Bay



Wave condition in the Kuryik Bay



| Date Time | Wind speed (WS) and wind direction (WD) | | Wave height (H) and wave period (τ) | |
|---------------------|---|----------|--|------|
| | WS, m/s | WD, rumb | H, m | t, s |
| 2024/01/25 12:00:00 | 10 | NW | 0.80 | 3.20 |
| 2024/01/25 18:00:00 | 11 | NW | 0.90 | 3.30 |
| 2024/01/26 00:00:00 | 13 | NW | 1.05 | 3.40 |
| 2024/01/26 06:00:00 | 14 | NW | 1.10 | 3.50 |
| 2024/01/26 12:00:00 | 12 | NW | 1.00 | 3.40 |
| 2024/01/26 18:00:00 | 11 | NW | 0.90 | 3.30 |
| 2024/01/27 00:00:00 | 11 | NW | 0.90 | 3.30 |
| 2024/01/27 06:00:00 | 8 | N | 0.41 | 2.40 |
| 2024/01/27 12:00:00 | 7 | N | 0.36 | 2.20 |
| 2024/01/27 18:00:00 | 1 | N | 0.00 | 0.00 |
| 2024/01/28 00:00:00 | 3 | SW | 0.31 | 2.20 |
| 2024/01/28 06:00:00 | 4 | S | 0.32 | 2.20 |
| 2024/01/28 12:00:00 | 7 | SE | 0.50 | 2.80 |
| 2024/01/28 18:00:00 | 8 | SE | 0.70 | 3.20 |
| 2024/01/29 00:00:00 | 10 | SE | 1.00 | 3.50 |
| 2024/01/29 06:00:00 | 9 | SE | 0.90 | 3.20 |
| 2024/01/29 12:00:00 | 9 | SE | 0.90 | 3.20 |
| 2024/01/29 18:00:00 | 8 | SE | 0.70 | 3.20 |
| 2024/01/30 00:00:00 | 8 | SE | 0.70 | 3.20 |
| 2024/01/30 06:00:00 | 7 | E | 0.35 | 2.30 |
| 2024/01/30 12:00:00 | 6 | E | 0.33 | 2.30 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: ugmikm@meteo.kz

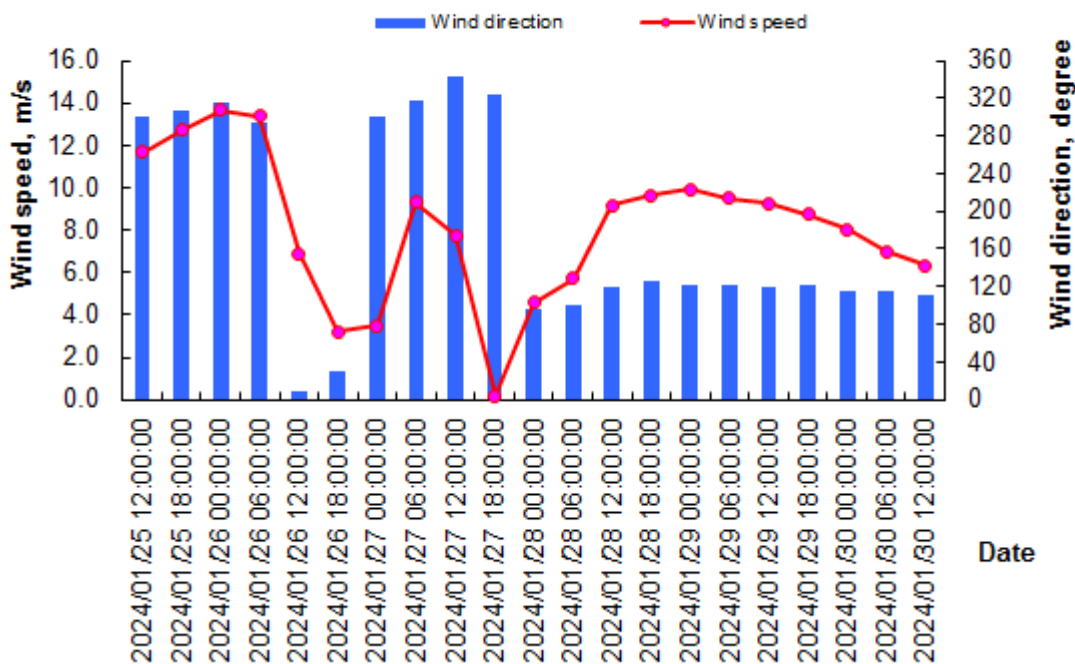


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

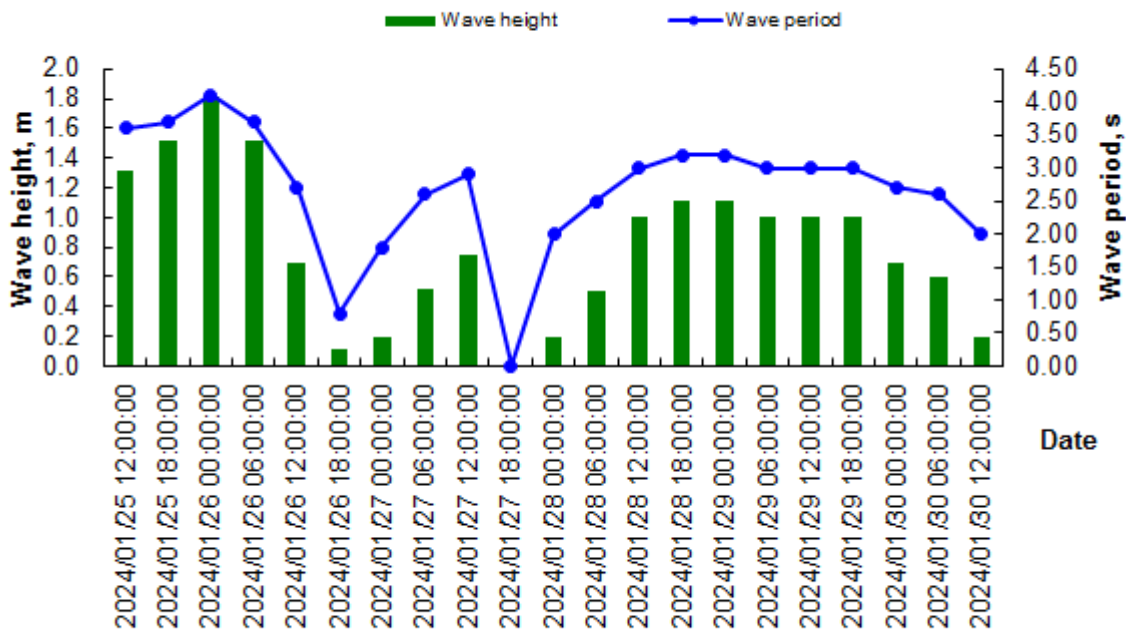
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 25-30 January 2023.**

Wind condition in the 21142 unit



Wave condition in the 21142 unit



| Date Time | Wind speed (WS) and wind direction (WD) | | Wave height (H) and wave period (τ) | |
|---------------------|---|----------|--|------|
| | WS, m/s | WD, rumb | H, m | t, s |
| 2024/01/25 12:00:00 | 12 | NW | 1.32 | 3.60 |
| 2024/01/25 18:00:00 | 13 | NW | 1.52 | 3.70 |
| 2024/01/26 00:00:00 | 14 | NW | 1.82 | 4.10 |
| 2024/01/26 06:00:00 | 13 | NW | 1.52 | 3.70 |
| 2024/01/26 12:00:00 | 7 | N | 0.70 | 2.70 |
| 2024/01/26 18:00:00 | 3 | NE | 0.11 | 0.80 |
| 2024/01/27 00:00:00 | 4 | NW | 0.19 | 1.80 |
| 2024/01/27 06:00:00 | 6 | NW | 0.52 | 2.60 |
| 2024/01/27 12:00:00 | 8 | N | 0.75 | 2.90 |
| 2024/01/27 18:00:00 | 0 | NW | 0.00 | 0.00 |
| 2024/01/28 00:00:00 | 5 | E | 0.20 | 2.00 |
| 2024/01/28 06:00:00 | 6 | E | 0.51 | 2.50 |
| 2024/01/28 12:00:00 | 9 | SE | 1.00 | 3.00 |
| 2024/01/28 18:00:00 | 10 | SE | 1.11 | 3.20 |
| 2024/01/29 00:00:00 | 10 | SE | 1.11 | 3.20 |
| 2024/01/29 06:00:00 | 9 | SE | 1.00 | 3.00 |
| 2024/01/29 12:00:00 | 9 | SE | 1.00 | 3.00 |
| 2024/01/29 18:00:00 | 9 | SE | 1.00 | 3.00 |
| 2024/01/30 00:00:00 | 8 | SE | 0.70 | 2.70 |
| 2024/01/30 06:00:00 | 7 | SE | 0.60 | 2.60 |
| 2024/01/30 12:00:00 | 5 | E | 0.20 | 2.00 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: e-mail: ugmikm@meteo.kz