

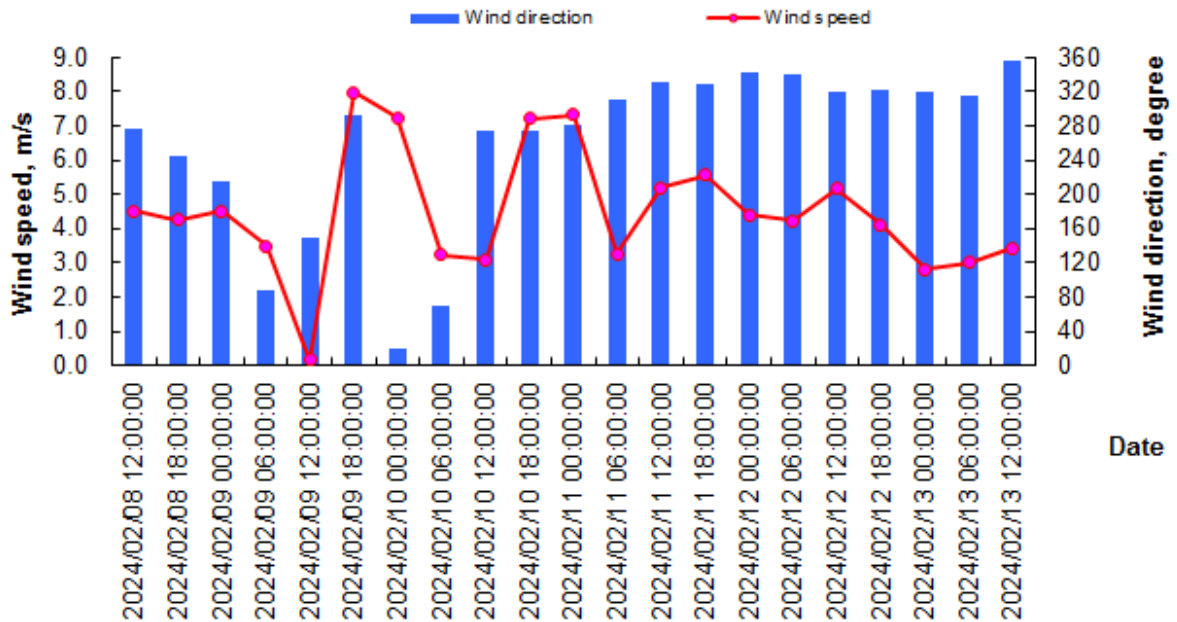


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
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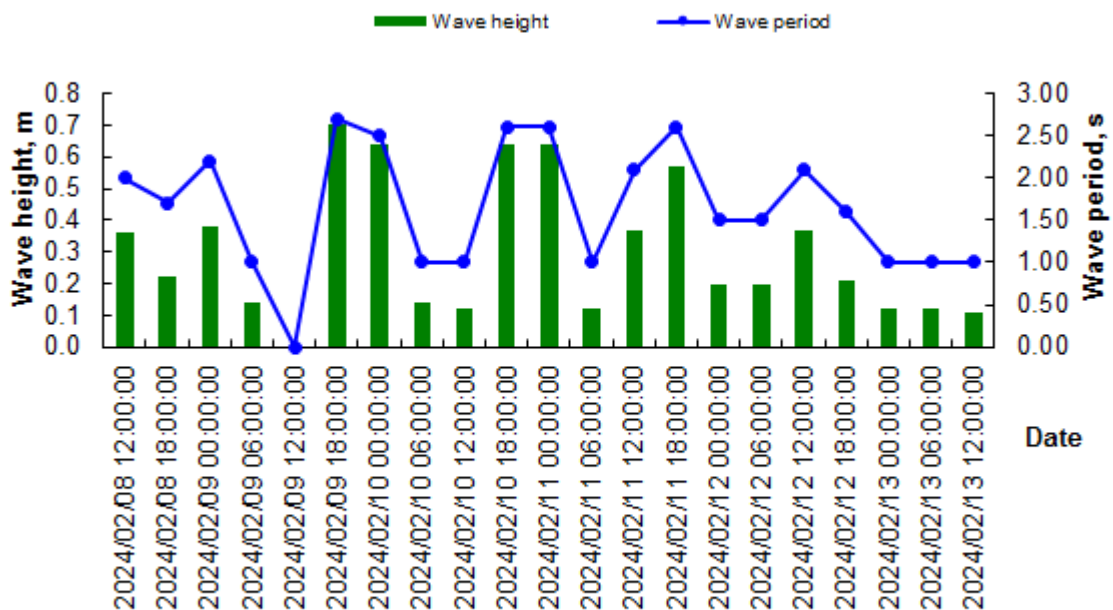
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 February 2024.**

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 |
| 2024/02/08 12:00:00 | 5 | W | 0.36 | 2.00 |
| 2024/02/08 18:00:00 | 4 | SW | 0.22 | 1.70 |
| 2024/02/09 00:00:00 | 5 | SW | 0.38 | 2.20 |
| 2024/02/09 06:00:00 | 3 | E | 0.14 | 1.00 |
| 2024/02/09 12:00:00 | 0 | SE | 0.00 | 0.00 |
| 2024/02/09 18:00:00 | 8 | NW | 0.70 | 2.70 |
| 2024/02/10 00:00:00 | 7 | N | 0.64 | 2.50 |
| 2024/02/10 06:00:00 | 3 | E | 0.14 | 1.00 |
| 2024/02/10 12:00:00 | 3 | W | 0.12 | 1.00 |
| 2024/02/10 18:00:00 | 7 | W | 0.64 | 2.60 |
| 2024/02/11 00:00:00 | 7 | W | 0.64 | 2.60 |
| 2024/02/11 06:00:00 | 3 | NW | 0.12 | 1.00 |
| 2024/02/11 12:00:00 | 5 | NW | 0.37 | 2.10 |
| 2024/02/11 18:00:00 | 6 | NW | 0.57 | 2.60 |
| 2024/02/12 00:00:00 | 4 | N | 0.20 | 1.50 |
| 2024/02/12 06:00:00 | 4 | N | 0.20 | 1.50 |
| 2024/02/12 12:00:00 | 5 | NW | 0.37 | 2.10 |
| 2024/02/12 18:00:00 | 4 | NW | 0.21 | 1.60 |
| 2024/02/13 00:00:00 | 3 | NW | 0.12 | 1.00 |
| 2024/02/13 06:00:00 | 3 | NW | 0.12 | 1.00 |
| 2024/02/13 12:00:00 | 3 | N | 0.11 | 1.00 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

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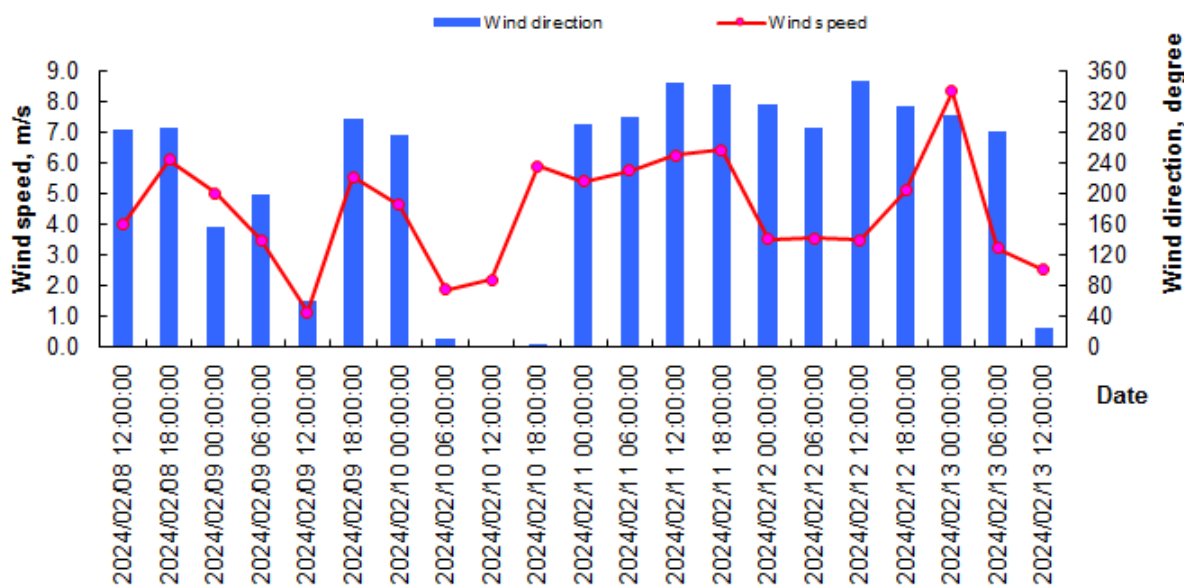


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
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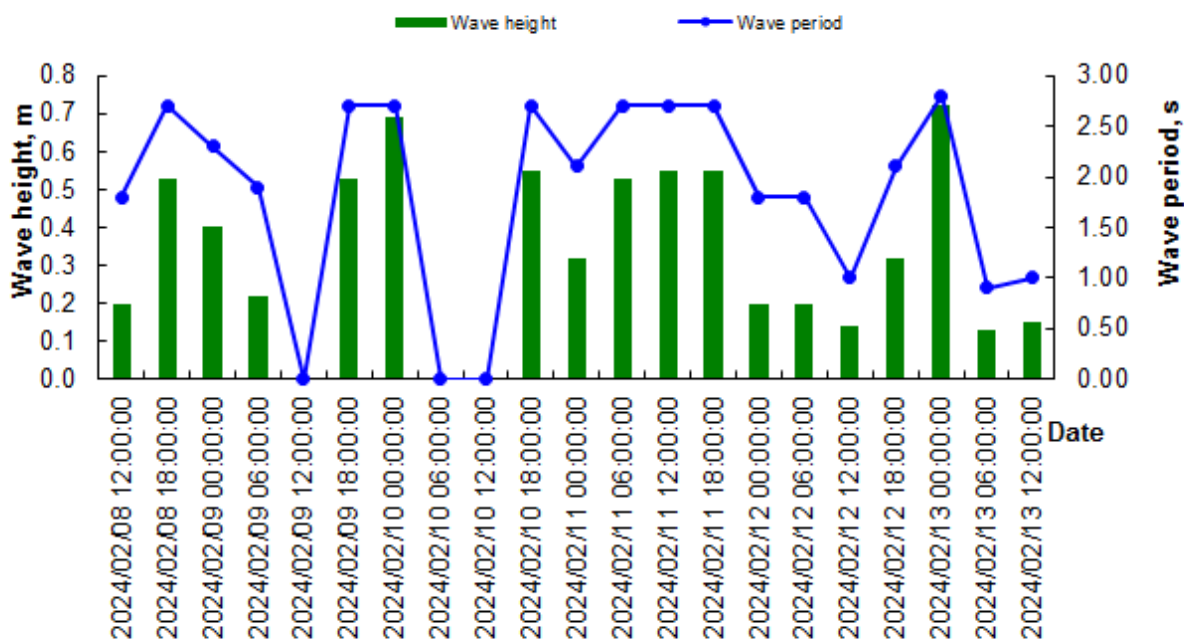
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 February 2024.**

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 |
| 2024/02/08 12:00:00 | 4 | W | 0.20 | 1.80 |
| 2024/02/08 18:00:00 | 6 | W | 0.53 | 2.70 |
| 2024/02/09 00:00:00 | 5 | S | 0.40 | 2.30 |
| 2024/02/09 06:00:00 | 4 | S | 0.22 | 1.90 |
| 2024/02/09 12:00:00 | 1 | NE | 0.00 | 0.00 |
| 2024/02/09 18:00:00 | 6 | NW | 0.53 | 2.70 |
| 2024/02/10 00:00:00 | 7 | W | 0.69 | 2.70 |
| 2024/02/10 06:00:00 | 2 | N | 0.00 | 0.00 |
| 2024/02/10 12:00:00 | 2 | N | 0.00 | 0.00 |
| 2024/02/10 18:00:00 | 6 | N | 0.55 | 2.70 |
| 2024/02/11 00:00:00 | 5 | W | 0.32 | 2.10 |
| 2024/02/11 06:00:00 | 6 | NW | 0.53 | 2.70 |
| 2024/02/11 12:00:00 | 6 | N | 0.55 | 2.70 |
| 2024/02/11 18:00:00 | 6 | N | 0.55 | 2.70 |
| 2024/02/12 00:00:00 | 4 | NW | 0.20 | 1.80 |
| 2024/02/12 06:00:00 | 4 | W | 0.20 | 1.80 |
| 2024/02/12 12:00:00 | 3 | N | 0.14 | 1.00 |
| 2024/02/12 18:00:00 | 5 | NW | 0.32 | 2.10 |
| 2024/02/13 00:00:00 | 8 | NW | 0.72 | 2.80 |
| 2024/02/13 06:00:00 | 3 | W | 0.13 | 0.90 |
| 2024/02/13 12:00:00 | 3 | NE | 0.15 | 1.00 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

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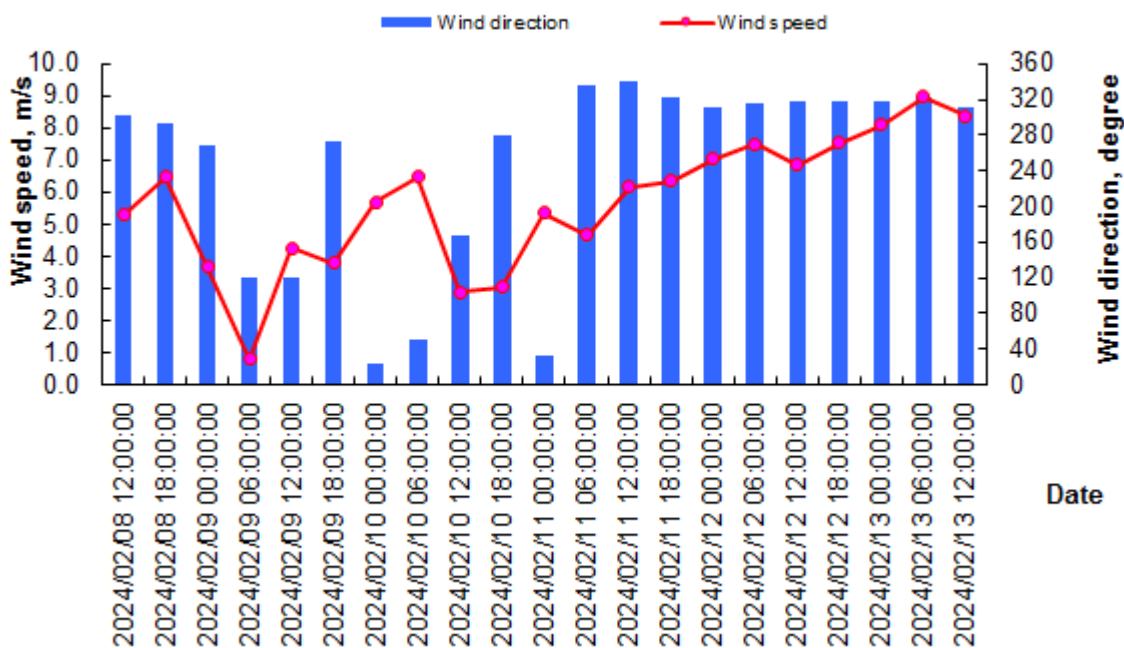


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
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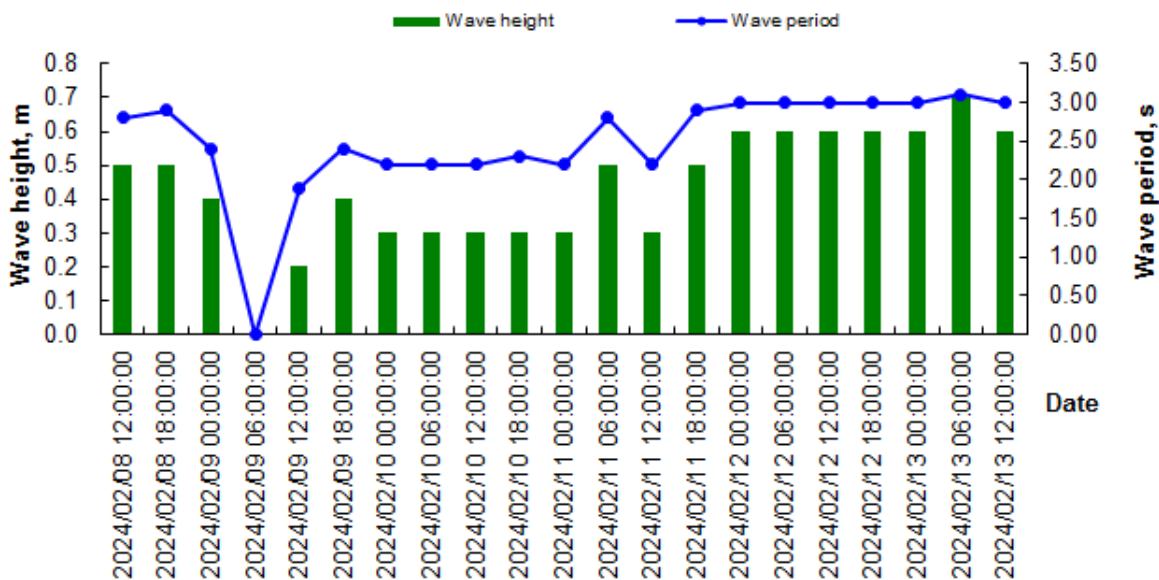
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 February 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 |
| | | | | |
| 2024/02/08 12:00:00 | 5 | NW | 0.50 | 2.80 |
| 2024/02/08 18:00:00 | 6 | W | 0.50 | 2.90 |
| 2024/02/09 00:00:00 | 4 | W | 0.40 | 2.40 |
| 2024/02/09 06:00:00 | 1 | SE | 0.00 | 0.00 |
| 2024/02/09 12:00:00 | 4 | SE | 0.20 | 1.90 |
| 2024/02/09 18:00:00 | 4 | W | 0.40 | 2.40 |
| 2024/02/10 00:00:00 | 6 | NE | 0.30 | 2.20 |
| 2024/02/10 06:00:00 | 6 | NE | 0.30 | 2.20 |
| 2024/02/10 12:00:00 | 3 | S | 0.30 | 2.20 |
| 2024/02/10 18:00:00 | 3 | W | 0.30 | 2.30 |
| 2024/02/11 00:00:00 | 5 | NE | 0.30 | 2.20 |
| 2024/02/11 06:00:00 | 5 | NW | 0.50 | 2.80 |
| 2024/02/11 12:00:00 | 6 | N | 0.30 | 2.20 |
| 2024/02/11 18:00:00 | 6 | NW | 0.50 | 2.90 |
| 2024/02/12 00:00:00 | 7 | NW | 0.60 | 3.00 |
| 2024/02/12 06:00:00 | 8 | NW | 0.60 | 3.00 |
| 2024/02/12 12:00:00 | 7 | NW | 0.60 | 3.00 |
| 2024/02/12 18:00:00 | 8 | NW | 0.60 | 3.00 |
| 2024/02/13 00:00:00 | 8 | NW | 0.60 | 3.00 |
| 2024/02/13 06:00:00 | 9 | NW | 0.70 | 3.10 |
| 2024/02/13 12:00:00 | 8 | NW | 0.60 | 3.00 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

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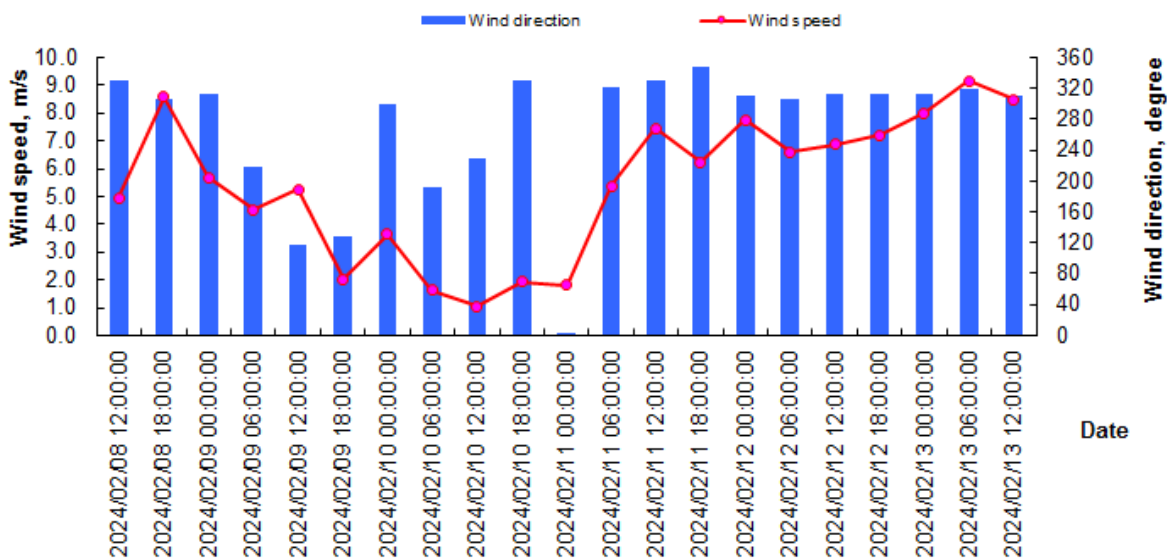


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

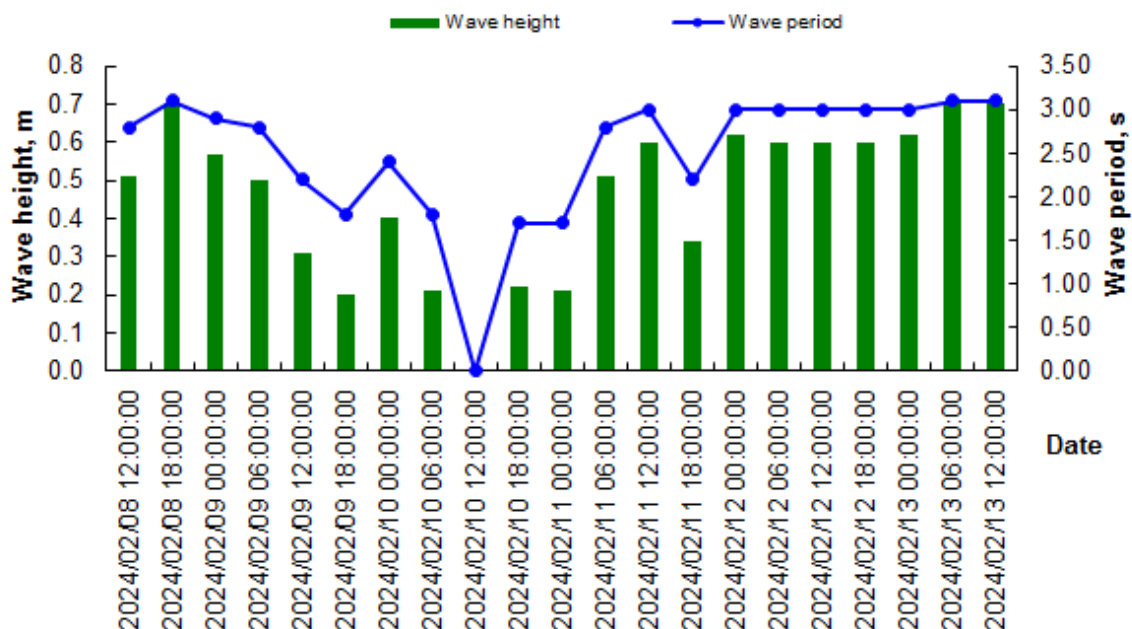
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 February 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 |
| 2024/02/08 12:00:00 | 5 | NW | 0.51 | 2.80 |
| 2024/02/08 18:00:00 | 9 | NW | 0.70 | 3.10 |
| 2024/02/09 00:00:00 | 6 | NW | 0.57 | 2.90 |
| 2024/02/09 06:00:00 | 5 | SW | 0.50 | 2.80 |
| 2024/02/09 12:00:00 | 5 | SE | 0.31 | 2.20 |
| 2024/02/09 18:00:00 | 2 | SE | 0.20 | 1.80 |
| 2024/02/10 00:00:00 | 4 | NW | 0.40 | 2.40 |
| 2024/02/10 06:00:00 | 2 | S | 0.21 | 1.80 |
| 2024/02/10 12:00:00 | 1 | SW | 0.00 | 0.00 |
| 2024/02/10 18:00:00 | 2 | NW | 0.22 | 1.70 |
| 2024/02/11 00:00:00 | 2 | N | 0.21 | 1.70 |
| 2024/02/11 06:00:00 | 5 | NW | 0.51 | 2.80 |
| 2024/02/11 12:00:00 | 7 | NW | 0.60 | 3.00 |
| 2024/02/11 18:00:00 | 6 | N | 0.34 | 2.20 |
| 2024/02/12 00:00:00 | 8 | NW | 0.62 | 3.00 |
| 2024/02/12 06:00:00 | 7 | NW | 0.60 | 3.00 |
| 2024/02/12 12:00:00 | 7 | NW | 0.60 | 3.00 |
| 2024/02/12 18:00:00 | 7 | NW | 0.60 | 3.00 |
| 2024/02/13 00:00:00 | 8 | NW | 0.62 | 3.00 |
| 2024/02/13 06:00:00 | 9 | NW | 0.70 | 3.10 |
| 2024/02/13 12:00:00 | 9 | NW | 0.70 | 3.10 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

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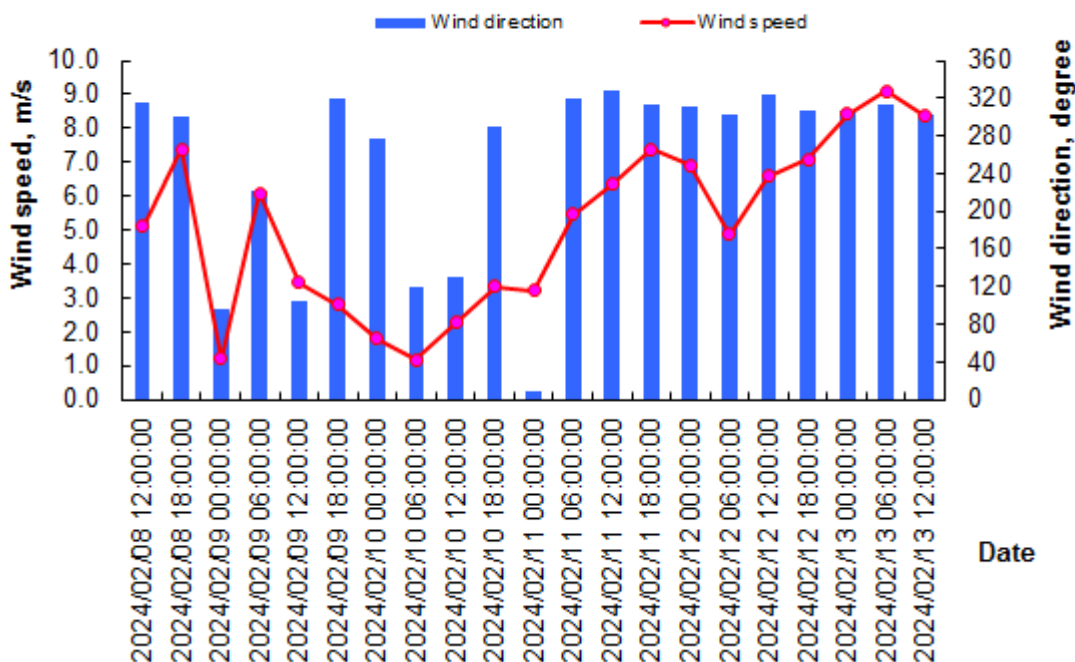


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

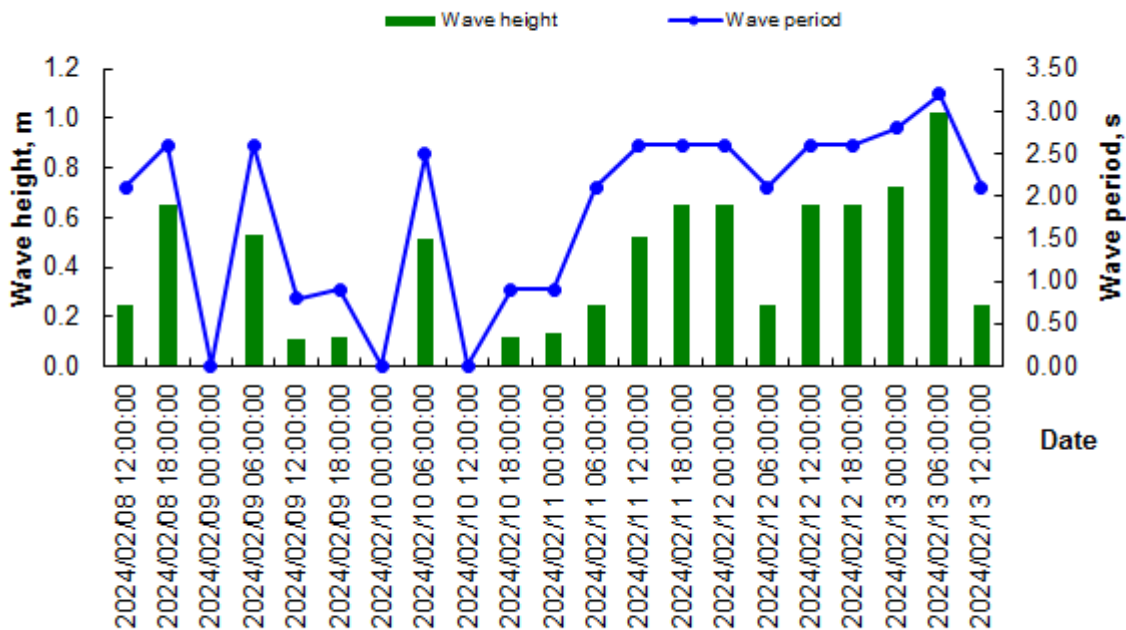
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 February 2024.**

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 |
| 2024/02/08 12:00:00 | 5 | NW | 0.25 | 2.10 |
| 2024/02/08 18:00:00 | 7 | NW | 0.65 | 2.60 |
| 2024/02/09 00:00:00 | 1 | E | 0.00 | 0.00 |
| 2024/02/09 06:00:00 | 6 | SW | 0.53 | 2.60 |
| 2024/02/09 12:00:00 | 3 | E | 0.11 | 0.80 |
| 2024/02/09 18:00:00 | 3 | NW | 0.12 | 0.90 |
| 2024/02/10 00:00:00 | 2 | W | 0.00 | 0.00 |
| 2024/02/10 06:00:00 | 6 | SE | 0.51 | 2.50 |
| 2024/02/10 12:00:00 | 2 | SE | 0.00 | 0.00 |
| 2024/02/10 18:00:00 | 3 | W | 0.12 | 0.90 |
| 2024/02/11 00:00:00 | 3 | N | 0.13 | 0.90 |
| 2024/02/11 06:00:00 | 5 | NW | 0.25 | 2.10 |
| 2024/02/11 12:00:00 | 6 | NW | 0.52 | 2.60 |
| 2024/02/11 18:00:00 | 7 | NW | 0.65 | 2.60 |
| 2024/02/12 00:00:00 | 7 | NW | 0.65 | 2.60 |
| 2024/02/12 06:00:00 | 5 | NW | 0.25 | 2.10 |
| 2024/02/12 12:00:00 | 7 | NW | 0.65 | 2.60 |
| 2024/02/12 18:00:00 | 7 | NW | 0.65 | 2.60 |
| 2024/02/13 00:00:00 | 8 | NW | 0.72 | 2.80 |
| 2024/02/13 06:00:00 | 9 | NW | 1.02 | 3.20 |
| 2024/02/13 12:00:00 | 5 | NW | 0.25 | 2.10 |

Made by: Shishkina G.M.

Checked by: Yeltay A.

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