

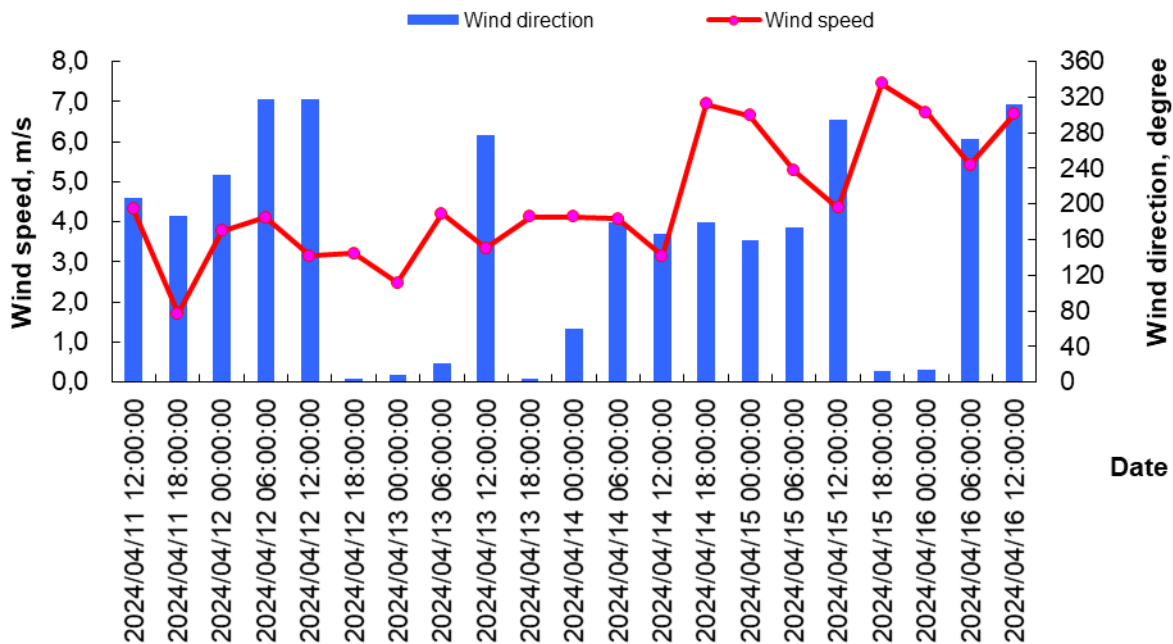


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

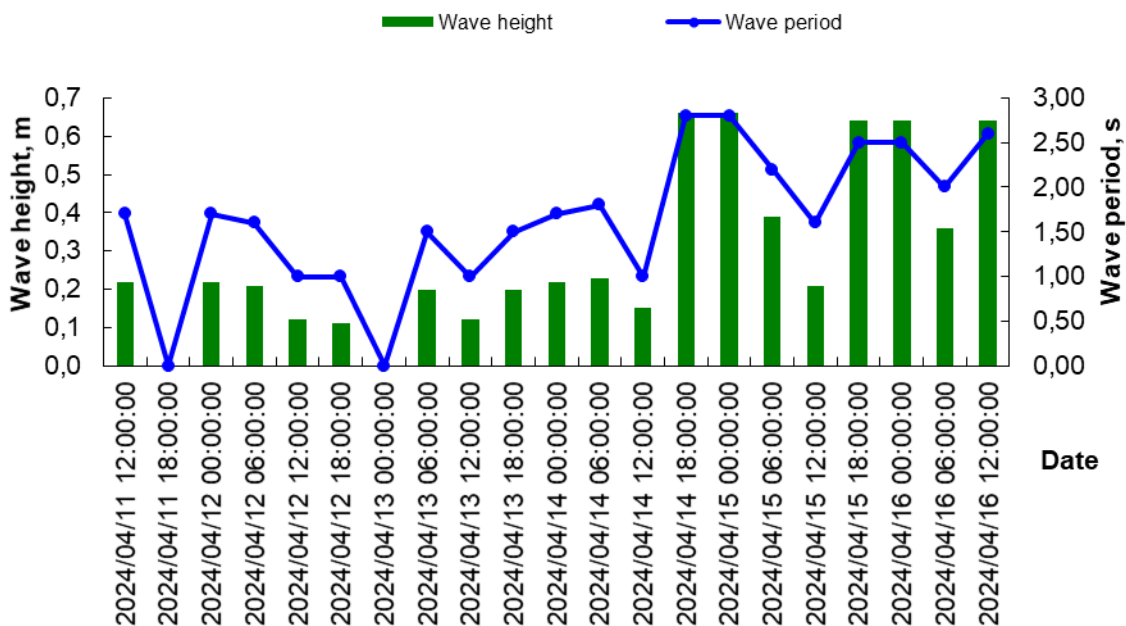
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 11 – 16 April 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 |
| 2024/04/11 12:00:00 | 4 | SW | 0,22 | 1,70 |
| 2024/04/11 18:00:00 | 2 | S | 0,00 | 0,00 |
| 2024/04/12 00:00:00 | 4 | SW | 0,22 | 1,70 |
| 2024/04/12 06:00:00 | 4 | NW | 0,21 | 1,60 |
| 2024/04/12 12:00:00 | 3 | NW | 0,12 | 1,00 |
| 2024/04/12 18:00:00 | 3 | N | 0,11 | 1,00 |
| 2024/04/13 00:00:00 | 2 | N | 0,00 | 0,00 |
| 2024/04/13 06:00:00 | 4 | N | 0,20 | 1,50 |
| 2024/04/13 12:00:00 | 3 | W | 0,12 | 1,00 |
| 2024/04/13 18:00:00 | 4 | N | 0,20 | 1,50 |
| 2024/04/14 00:00:00 | 4 | NE | 0,22 | 1,70 |
| 2024/04/14 06:00:00 | 4 | S | 0,23 | 1,80 |
| 2024/04/14 12:00:00 | 3 | S | 0,15 | 1,00 |
| 2024/04/14 18:00:00 | 7 | S | 0,66 | 2,80 |
| 2024/04/15 00:00:00 | 7 | S | 0,66 | 2,80 |
| 2024/04/15 06:00:00 | 5 | S | 0,39 | 2,20 |
| 2024/04/15 12:00:00 | 4 | NW | 0,21 | 1,60 |
| 2024/04/15 18:00:00 | 7 | N | 0,64 | 2,50 |
| 2024/04/16 00:00:00 | 7 | N | 0,64 | 2,50 |
| 2024/04/16 06:00:00 | 5 | W | 0,36 | 2,00 |
| 2024/04/16 12:00:00 | 7 | NW | 0,64 | 2,60 |

Made by: Zhagparoava N.N.

Checked by: Yeltay A.

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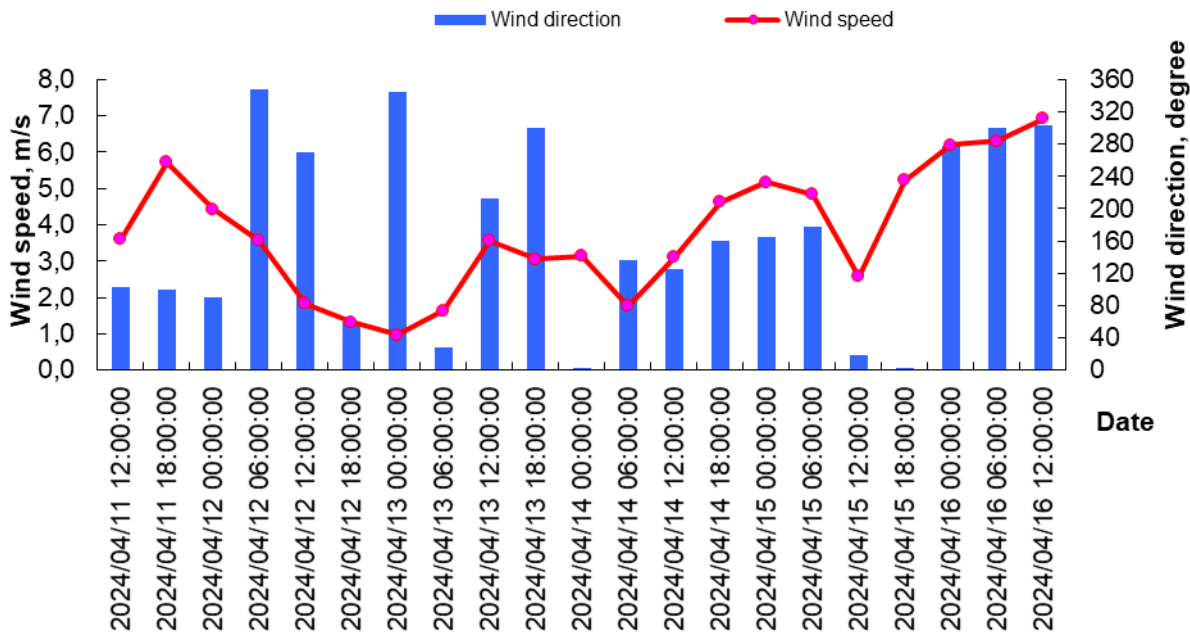


MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN

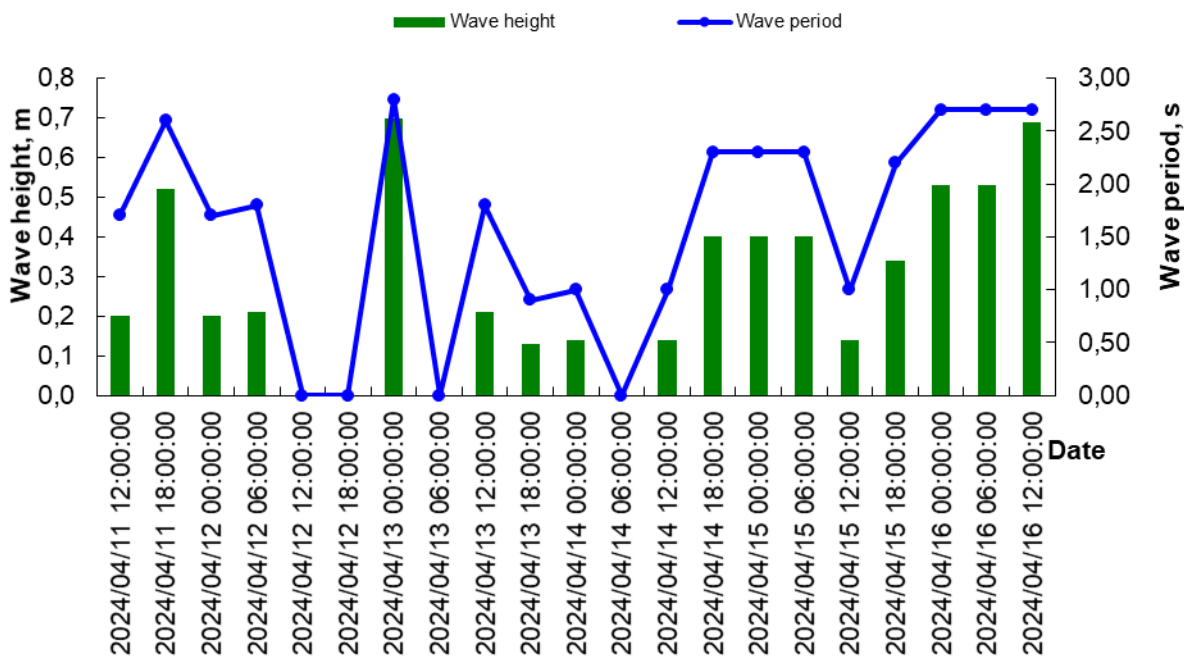
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 11 – 16 April 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 |
| 2024/04/11 12:00:00 | 4 | E | 0,20 | 1,70 |
| 2024/04/11 18:00:00 | 6 | E | 0,52 | 2,60 |
| 2024/04/12 00:00:00 | 4 | E | 0,20 | 1,70 |
| 2024/04/12 06:00:00 | 4 | N | 0,21 | 1,80 |
| 2024/04/12 12:00:00 | 2 | W | 0,00 | 0,00 |
| 2024/04/12 18:00:00 | 1 | NE | 0,00 | 0,00 |
| 2024/04/13 00:00:00 | 7 | N | 0,70 | 2,80 |
| 2024/04/13 06:00:00 | 2 | NE | 0,00 | 0,00 |
| 2024/04/13 12:00:00 | 4 | SW | 0,21 | 1,80 |
| 2024/04/13 18:00:00 | 3 | NW | 0,13 | 0,90 |
| 2024/04/14 00:00:00 | 3 | N | 0,14 | 1,00 |
| 2024/04/14 06:00:00 | 2 | SE | 0,00 | 0,00 |
| 2024/04/14 12:00:00 | 3 | SE | 0,14 | 1,00 |
| 2024/04/14 18:00:00 | 5 | S | 0,40 | 2,30 |
| 2024/04/15 00:00:00 | 5 | S | 0,40 | 2,30 |
| 2024/04/15 06:00:00 | 5 | S | 0,40 | 2,30 |
| 2024/04/15 12:00:00 | 3 | N | 0,14 | 1,00 |
| 2024/04/15 18:00:00 | 5 | N | 0,34 | 2,20 |
| 2024/04/16 00:00:00 | 6 | W | 0,53 | 2,70 |
| 2024/04/16 06:00:00 | 6 | NW | 0,53 | 2,70 |
| 2024/04/16 12:00:00 | 7 | NW | 0,69 | 2,70 |

Made by: Zhagparova N.N.

Checked by: Yeltay A.

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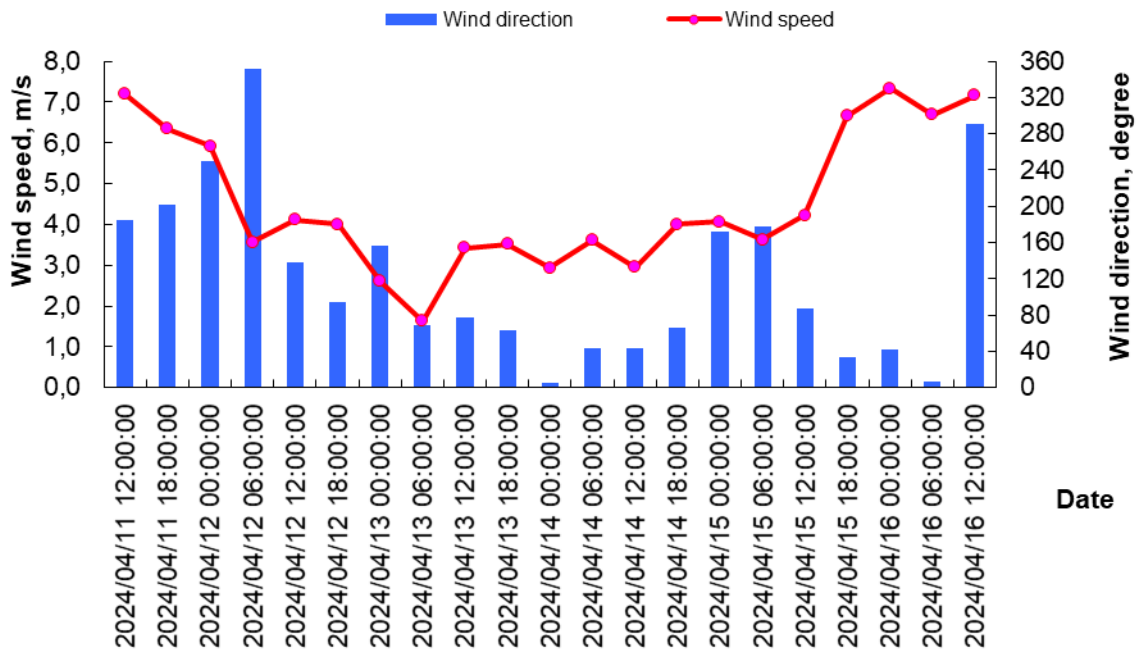


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

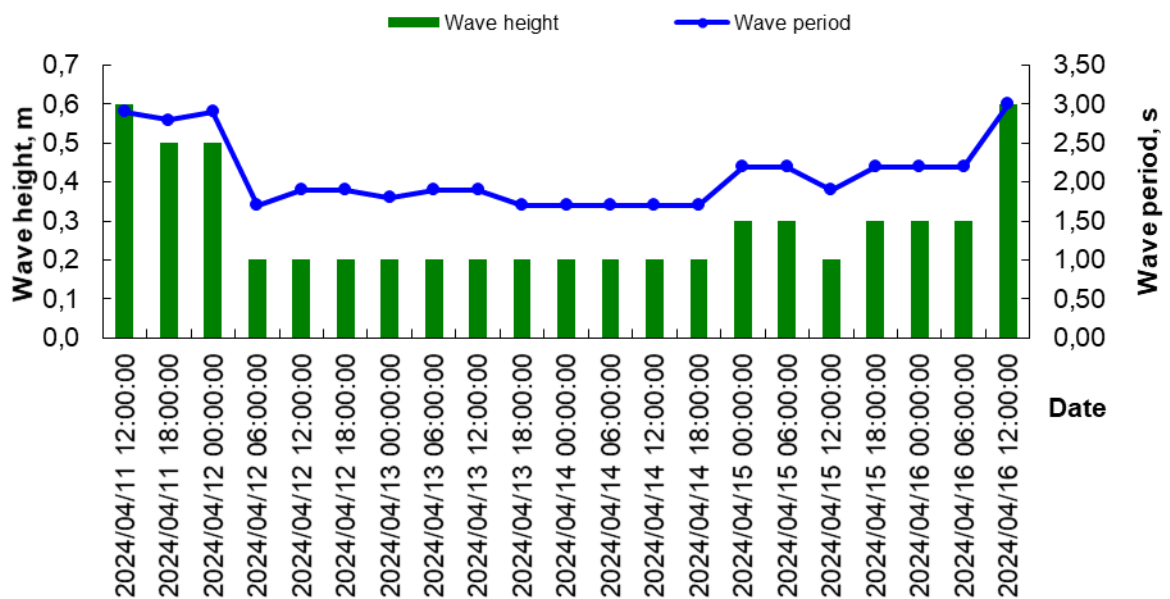
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 11 – 16 April 2024.**

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 |
| 2024/04/11 12:00:00 | 7 | S | 0,60 | 2,90 |
| 2024/04/11 18:00:00 | 6 | S | 0,50 | 2,80 |
| 2024/04/12 00:00:00 | 6 | W | 0,50 | 2,90 |
| 2024/04/12 06:00:00 | 4 | N | 0,20 | 1,70 |
| 2024/04/12 12:00:00 | 4 | SE | 0,20 | 1,90 |
| 2024/04/12 18:00:00 | 4 | E | 0,20 | 1,90 |
| 2024/04/13 00:00:00 | 3 | SE | 0,20 | 1,80 |
| 2024/04/13 06:00:00 | 2 | E | 0,20 | 1,90 |
| 2024/04/13 12:00:00 | 3 | E | 0,20 | 1,90 |
| 2024/04/13 18:00:00 | 4 | NE | 0,20 | 1,70 |
| 2024/04/14 00:00:00 | 3 | N | 0,20 | 1,70 |
| 2024/04/14 06:00:00 | 4 | NE | 0,20 | 1,70 |
| 2024/04/14 12:00:00 | 3 | NE | 0,20 | 1,70 |
| 2024/04/14 18:00:00 | 4 | NE | 0,20 | 1,70 |
| 2024/04/15 00:00:00 | 4 | S | 0,30 | 2,20 |
| 2024/04/15 06:00:00 | 4 | S | 0,30 | 2,20 |
| 2024/04/15 12:00:00 | 4 | E | 0,20 | 1,90 |
| 2024/04/15 18:00:00 | 7 | NE | 0,30 | 2,20 |
| 2024/04/16 00:00:00 | 7 | NE | 0,30 | 2,20 |
| 2024/04/16 06:00:00 | 7 | N | 0,30 | 2,20 |
| 2024/04/16 12:00:00 | 7 | W | 0,60 | 3,00 |

Made by: Zhagparova N.N.

Checked by: Yeltay A.

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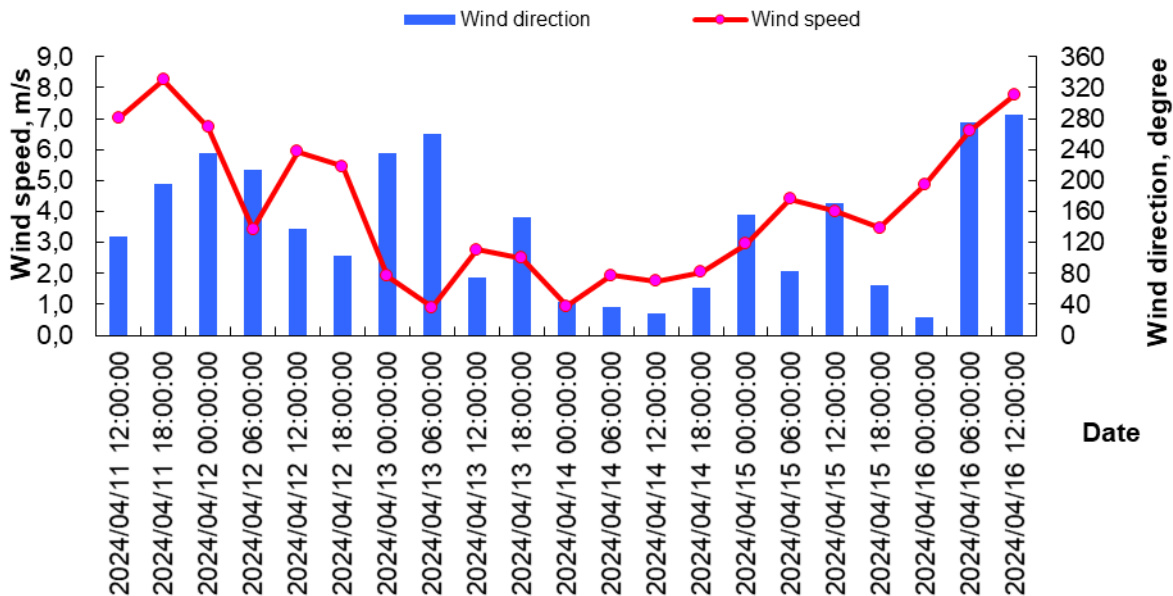


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

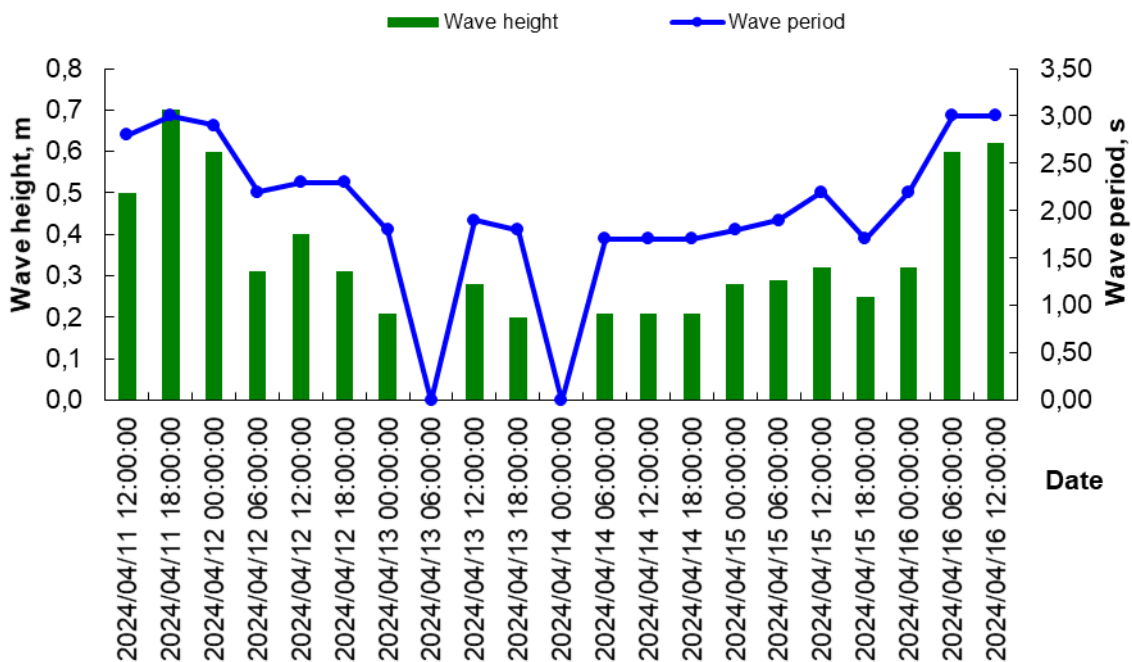
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 11 – 16 April 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 |
| 2024/04/11 12:00:00 | 7 | SE | 0,50 | 2,80 |
| 2024/04/11 18:00:00 | 8 | S | 0,70 | 3,00 |
| 2024/04/12 00:00:00 | 7 | SW | 0,60 | 2,90 |
| 2024/04/12 06:00:00 | 3 | SW | 0,31 | 2,20 |
| 2024/04/12 12:00:00 | 6 | SE | 0,40 | 2,30 |
| 2024/04/12 18:00:00 | 5 | E | 0,31 | 2,30 |
| 2024/04/13 00:00:00 | 2 | SW | 0,21 | 1,80 |
| 2024/04/13 06:00:00 | 1 | W | 0,00 | 0,00 |
| 2024/04/13 12:00:00 | 3 | E | 0,28 | 1,90 |
| 2024/04/13 18:00:00 | 2 | SE | 0,20 | 1,80 |
| 2024/04/14 00:00:00 | 1 | NE | 0,00 | 0,00 |
| 2024/04/14 06:00:00 | 2 | NE | 0,21 | 1,70 |
| 2024/04/14 12:00:00 | 2 | NE | 0,21 | 1,70 |
| 2024/04/14 18:00:00 | 2 | NE | 0,21 | 1,70 |
| 2024/04/15 00:00:00 | 3 | SE | 0,28 | 1,80 |
| 2024/04/15 06:00:00 | 4 | E | 0,29 | 1,90 |
| 2024/04/15 12:00:00 | 4 | S | 0,32 | 2,20 |
| 2024/04/15 18:00:00 | 3 | NE | 0,25 | 1,70 |
| 2024/04/16 00:00:00 | 5 | NE | 0,32 | 2,20 |
| 2024/04/16 06:00:00 | 7 | W | 0,60 | 3,00 |
| 2024/04/16 12:00:00 | 8 | W | 0,62 | 3,00 |

Made by: Zhagparova N.N.

Checked by: Yeltay A.

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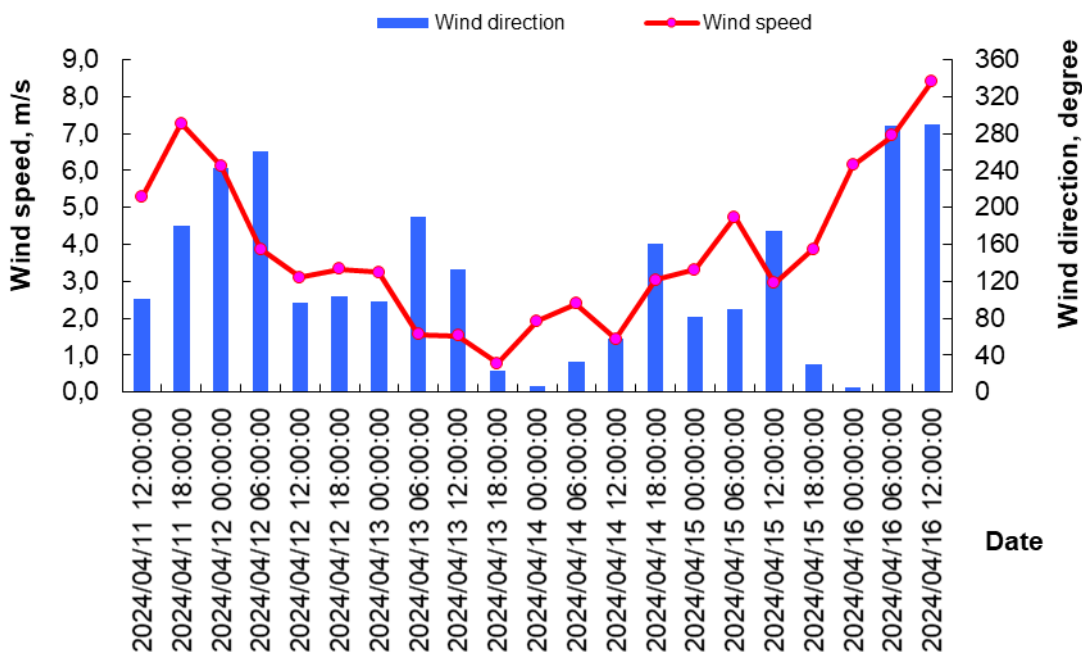


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

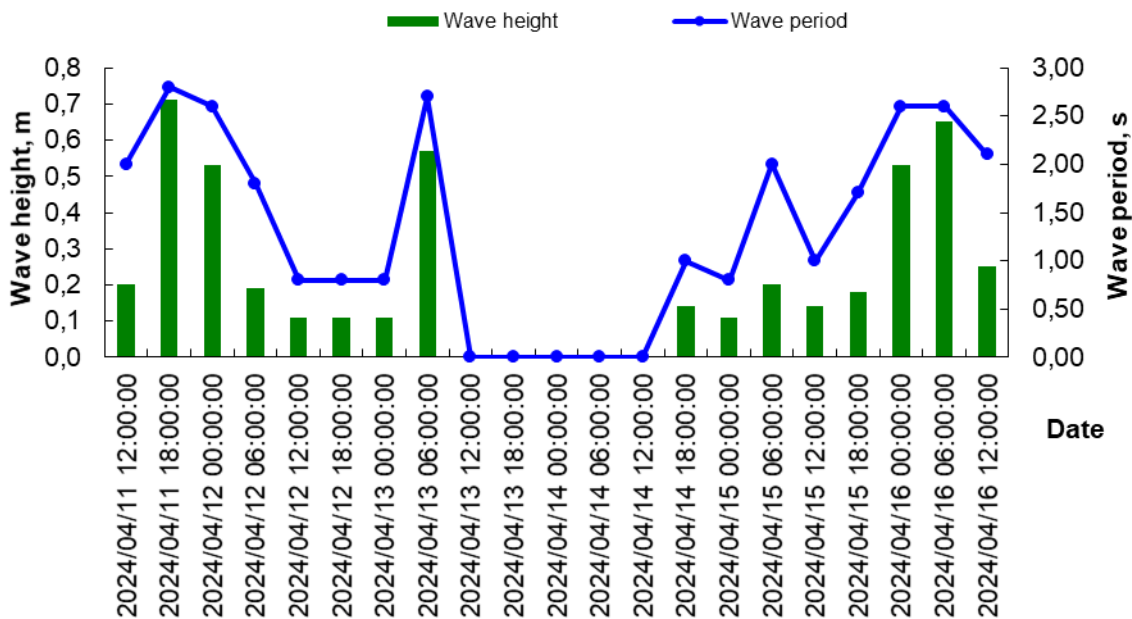
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 11– 16 April 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 |
| 2024/04/11 12:00:00 | 5 | E | 0,20 | 2,00 |
| 2024/04/11 18:00:00 | 7 | S | 0,71 | 2,80 |
| 2024/04/12 00:00:00 | 6 | SW | 0,53 | 2,60 |
| 2024/04/12 06:00:00 | 4 | W | 0,19 | 1,80 |
| 2024/04/12 12:00:00 | 3 | E | 0,11 | 0,80 |
| 2024/04/12 18:00:00 | 3 | E | 0,11 | 0,80 |
| 2024/04/13 00:00:00 | 3 | E | 0,11 | 0,80 |
| 2024/04/13 06:00:00 | 6 | S | 0,57 | 2,70 |
| 2024/04/13 12:00:00 | 2 | SE | 0,00 | 0,00 |
| 2024/04/13 18:00:00 | 1 | NE | 0,00 | 0,00 |
| 2024/04/14 00:00:00 | 2 | N | 0,00 | 0,00 |
| 2024/04/14 06:00:00 | 2 | NE | 0,00 | 0,00 |
| 2024/04/14 12:00:00 | 1 | NE | 0,00 | 0,00 |
| 2024/04/14 18:00:00 | 3 | S | 0,14 | 1,00 |
| 2024/04/15 00:00:00 | 3 | E | 0,11 | 0,80 |
| 2024/04/15 06:00:00 | 5 | E | 0,20 | 2,00 |
| 2024/04/15 12:00:00 | 3 | S | 0,14 | 1,00 |
| 2024/04/15 18:00:00 | 4 | NE | 0,18 | 1,70 |
| 2024/04/16 00:00:00 | 6 | N | 0,53 | 2,60 |
| 2024/04/16 06:00:00 | 7 | W | 0,65 | 2,60 |
| 2024/04/16 12:00:00 | 5 | W | 0,25 | 2,10 |

Made by: Zhagparoav N.N.

Checked by: Yeltay A.

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