

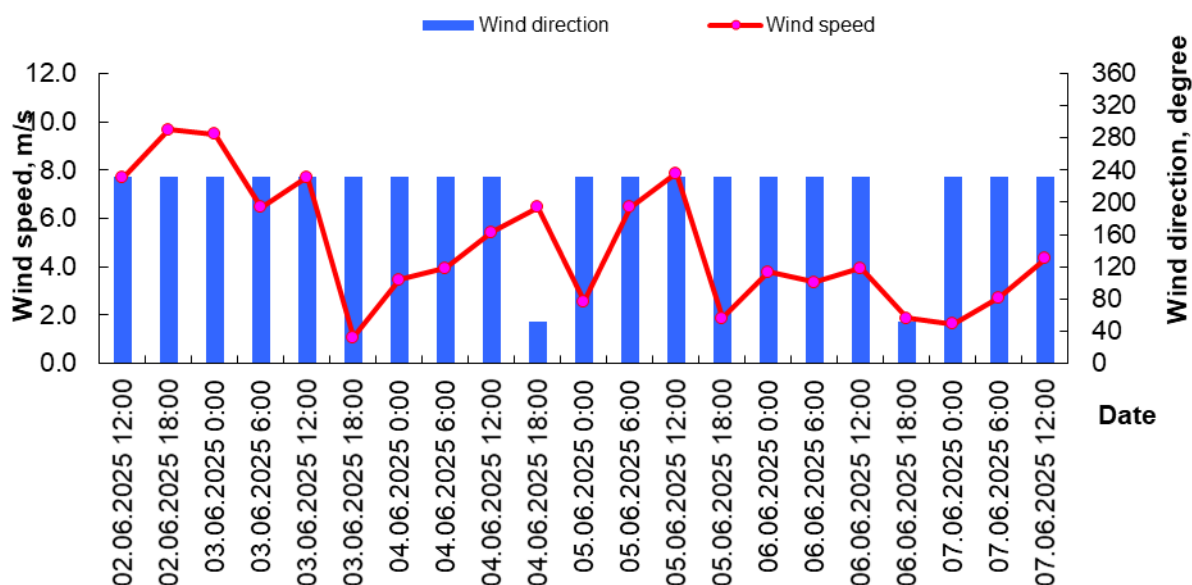


MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN

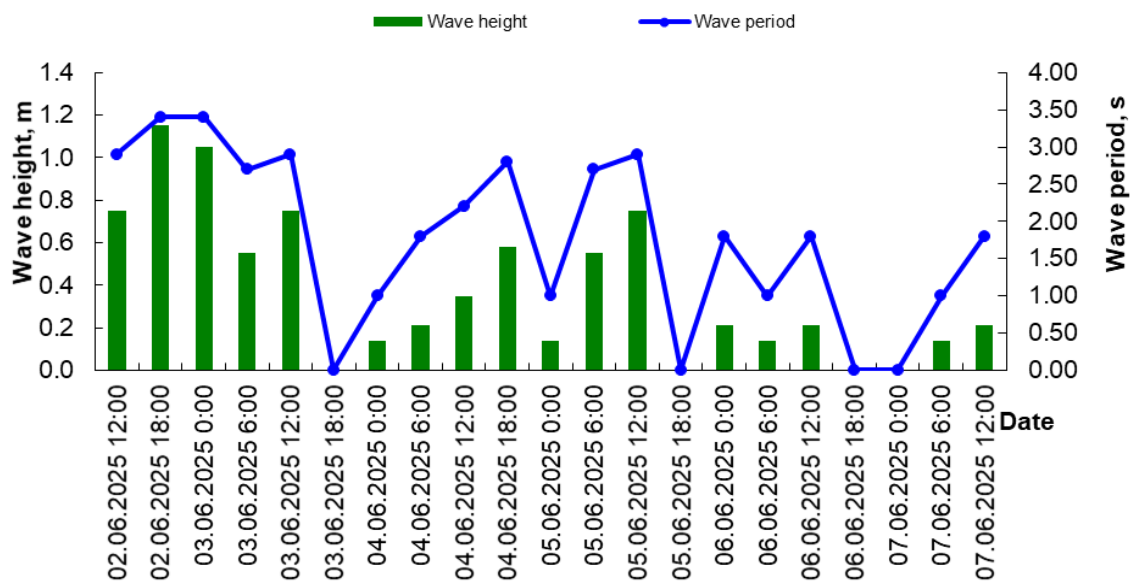
RSE «KAZHYDROMET»

Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day  
advance for the period June 02 – 07, 2025

Wind condition in the 21050 unit

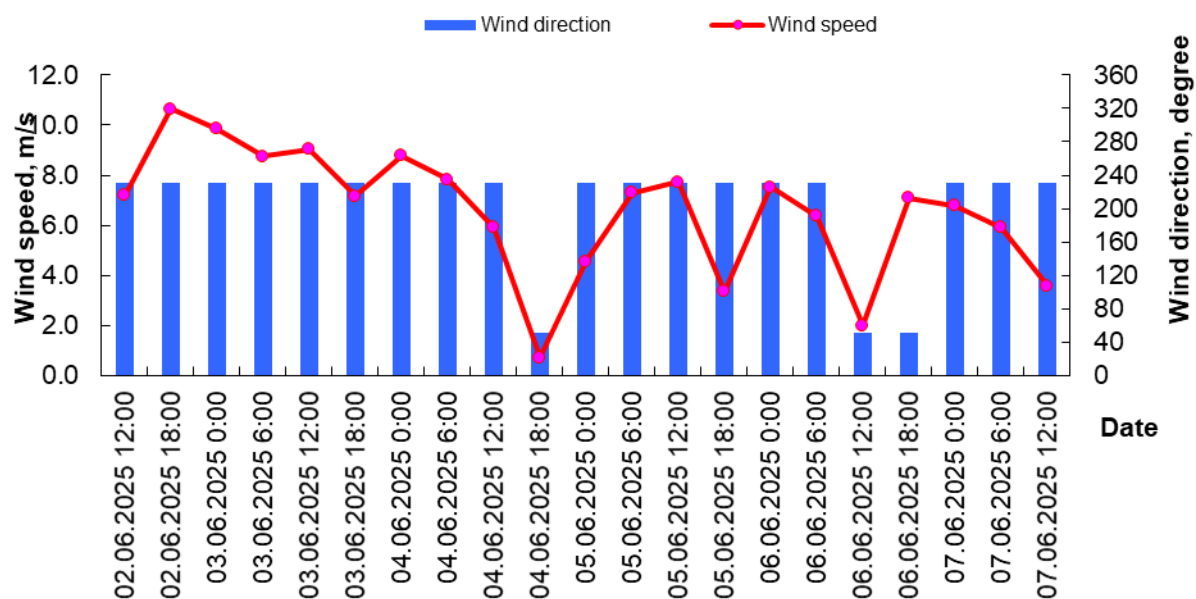


Wave condition in the 21050 unit

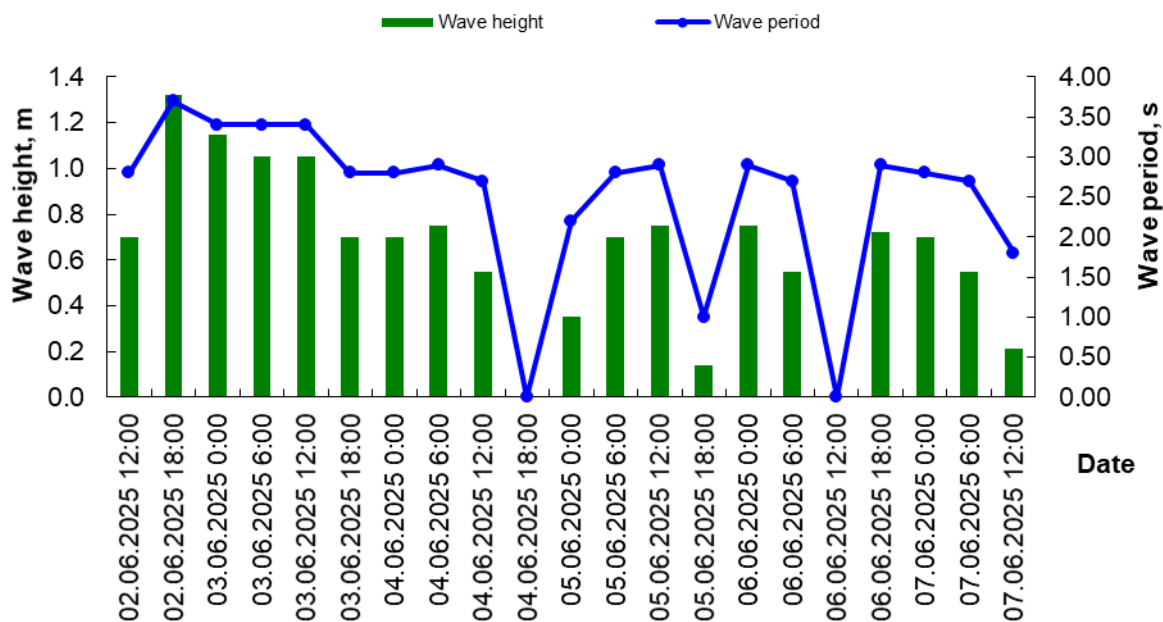


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 02.06.2025 12:00 | 8                                          | SW       | 0.75                                       | 2.90 |
| 02.06.2025 18:00 | 10                                         | SW       | 1.15                                       | 3.40 |
| 03.06.2025 0:00  | 9                                          | SW       | 1.05                                       | 3.40 |
| 03.06.2025 6:00  | 6                                          | SW       | 0.55                                       | 2.70 |
| 03.06.2025 12:00 | 8                                          | SW       | 0.75                                       | 2.90 |
| 03.06.2025 18:00 | 1                                          | SW       | 0.00                                       | 0.00 |
| 04.06.2025 0:00  | 3                                          | SW       | 0.14                                       | 1.00 |
| 04.06.2025 6:00  | 4                                          | SW       | 0.21                                       | 1.80 |
| 04.06.2025 12:00 | 5                                          | SW       | 0.35                                       | 2.20 |
| 04.06.2025 18:00 | 6                                          | NE       | 0.58                                       | 2.80 |
| 05.06.2025 0:00  | 3                                          | SW       | 0.14                                       | 1.00 |
| 05.06.2025 6:00  | 6                                          | SW       | 0.55                                       | 2.70 |
| 05.06.2025 12:00 | 8                                          | SW       | 0.75                                       | 2.90 |
| 05.06.2025 18:00 | 2                                          | SW       | 0.00                                       | 0.00 |
| 06.06.2025 0:00  | 4                                          | SW       | 0.21                                       | 1.80 |
| 06.06.2025 6:00  | 3                                          | SW       | 0.14                                       | 1.00 |
| 06.06.2025 12:00 | 4                                          | NE       | 0.21                                       | 1.80 |
| 06.06.2025 18:00 | 2                                          | NE       | 0.00                                       | 0.00 |
| 07.06.2025 0:00  | 2                                          | SW       | 0.00                                       | 0.00 |
| 07.06.2025 6:00  | 3                                          | SW       | 0.14                                       | 1.00 |
| 07.06.2025 12:00 | 4                                          | SW       | 0.21                                       | 1.80 |

### Wind condition in the 21141 unit

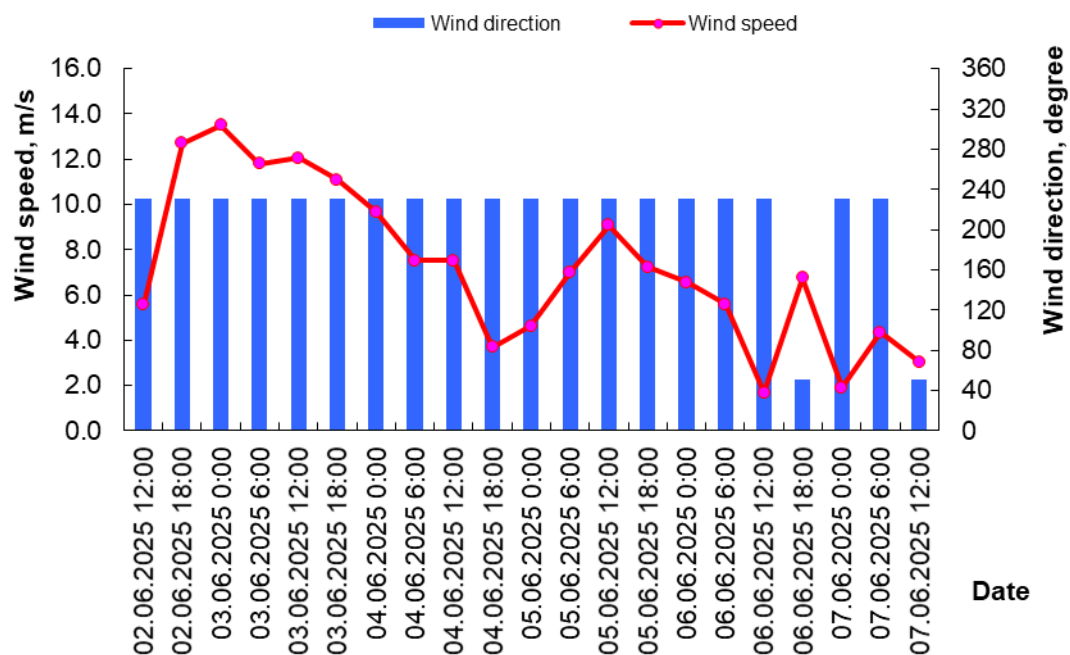


### Wave condition in the 21141 unit

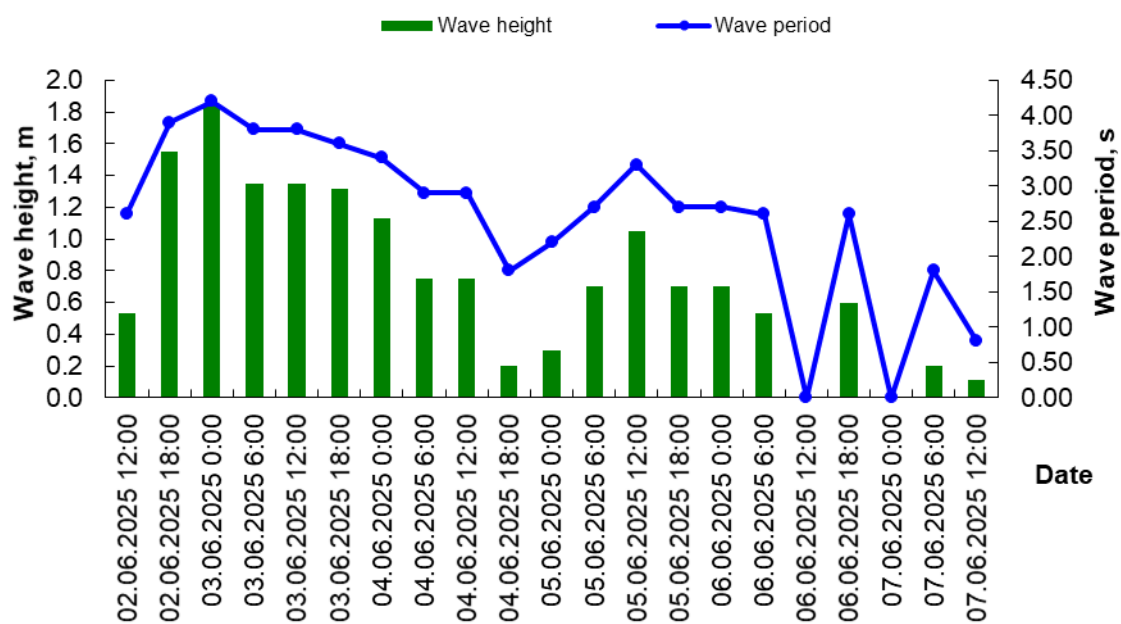


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 02.06.2025 12:00 | 7                                          | SW       | 0.70                                       | 2.80 |
| 02.06.2025 18:00 | 11                                         | SW       | 1.32                                       | 3.70 |
| 03.06.2025 0:00  | 10                                         | SW       | 1.15                                       | 3.40 |
| 03.06.2025 6:00  | 9                                          | SW       | 1.05                                       | 3.40 |
| 03.06.2025 12:00 | 9                                          | SW       | 1.05                                       | 3.40 |
| 03.06.2025 18:00 | 7                                          | SW       | 0.70                                       | 2.80 |
| 04.06.2025 0:00  | 7                                          | SW       | 0.70                                       | 2.80 |
| 04.06.2025 6:00  | 8                                          | SW       | 0.75                                       | 2.90 |
| 04.06.2025 12:00 | 6                                          | SW       | 0.55                                       | 2.70 |
| 04.06.2025 18:00 | 1                                          | NE       | 0.00                                       | 0.00 |
| 05.06.2025 0:00  | 5                                          | SW       | 0.35                                       | 2.20 |
| 05.06.2025 6:00  | 7                                          | SW       | 0.70                                       | 2.80 |
| 05.06.2025 12:00 | 8                                          | SW       | 0.75                                       | 2.90 |
| 05.06.2025 18:00 | 3                                          | SW       | 0.14                                       | 1.00 |
| 06.06.2025 0:00  | 8                                          | SW       | 0.75                                       | 2.90 |
| 06.06.2025 6:00  | 6                                          | SW       | 0.55                                       | 2.70 |
| 06.06.2025 12:00 | 2                                          | NE       | 0.00                                       | 0.00 |
| 06.06.2025 18:00 | 7                                          | NE       | 0.72                                       | 2.90 |
| 07.06.2025 0:00  | 7                                          | SW       | 0.70                                       | 2.80 |
| 07.06.2025 6:00  | 6                                          | SW       | 0.55                                       | 2.70 |
| 07.06.2025 12:00 | 4                                          | SW       | 0.21                                       | 1.80 |

### Wind condition in the 21142 unit

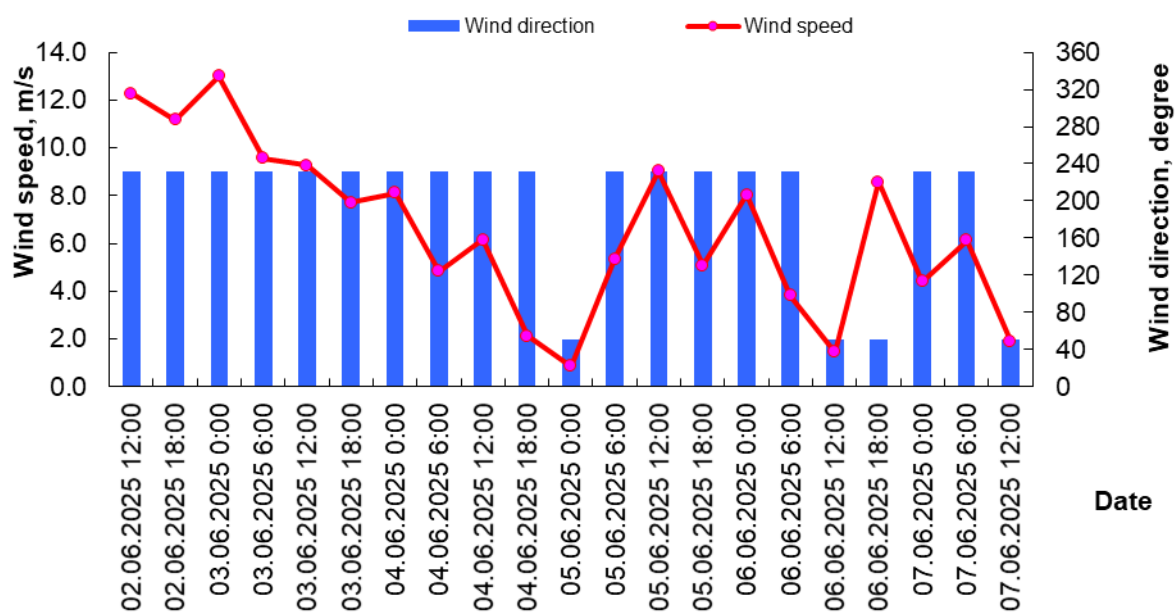


### Wave condition in the 21142 unit

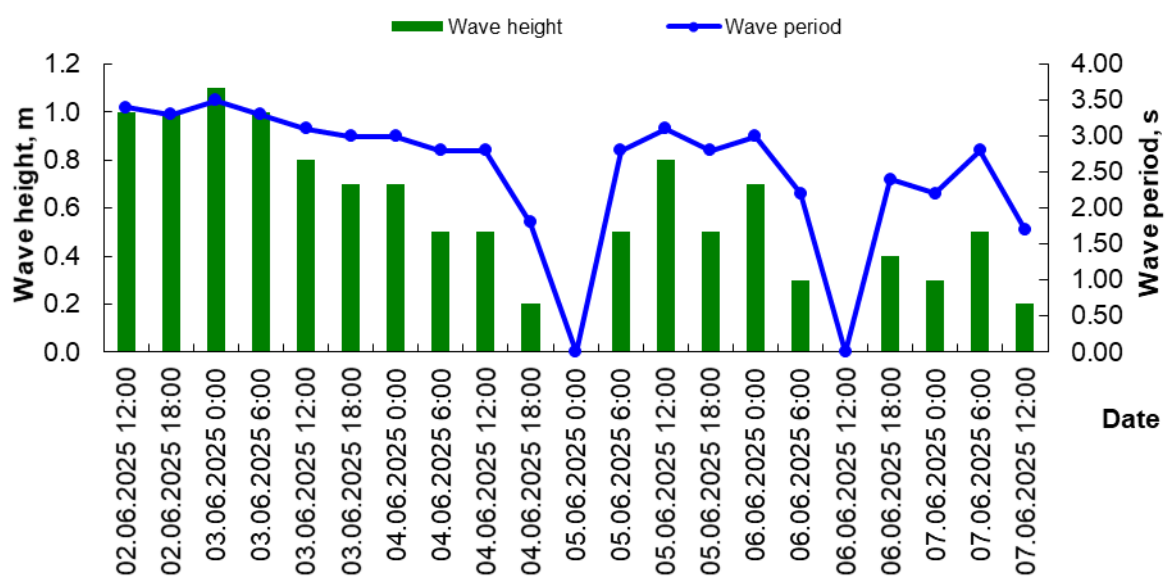


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 02.06.2025 12:00 | 6                                          | SW       | 0.53                                       | 2.60 |
| 02.06.2025 18:00 | 13                                         | SW       | 1.55                                       | 3.90 |
| 03.06.2025 0:00  | 14                                         | SW       | 1.85                                       | 4.20 |
| 03.06.2025 6:00  | 12                                         | SW       | 1.35                                       | 3.80 |
| 03.06.2025 12:00 | 12                                         | SW       | 1.35                                       | 3.80 |
| 03.06.2025 18:00 | 11                                         | SW       | 1.32                                       | 3.60 |
| 04.06.2025 0:00  | 10                                         | SW       | 1.13                                       | 3.40 |
| 04.06.2025 6:00  | 8                                          | SW       | 0.75                                       | 2.90 |
| 04.06.2025 12:00 | 8                                          | SW       | 0.75                                       | 2.90 |
| 04.06.2025 18:00 | 4                                          | SW       | 0.20                                       | 1.80 |
| 05.06.2025 0:00  | 5                                          | SW       | 0.30                                       | 2.20 |
| 05.06.2025 6:00  | 7                                          | SW       | 0.70                                       | 2.70 |
| 05.06.2025 12:00 | 9                                          | SW       | 1.05                                       | 3.30 |
| 05.06.2025 18:00 | 7                                          | SW       | 0.70                                       | 2.70 |
| 06.06.2025 0:00  | 7                                          | SW       | 0.70                                       | 2.70 |
| 06.06.2025 6:00  | 6                                          | SW       | 0.53                                       | 2.60 |
| 06.06.2025 12:00 | 2                                          | SW       | 0.00                                       | 0.00 |
| 06.06.2025 18:00 | 7                                          | NE       | 0.60                                       | 2.60 |
| 07.06.2025 0:00  | 2                                          | SW       | 0.00                                       | 0.00 |
| 07.06.2025 6:00  | 4                                          | SW       | 0.20                                       | 1.80 |
| 07.06.2025 12:00 | 3                                          | NE       | 0.11                                       | 0.80 |

### Wind condition in the Bautino Bay



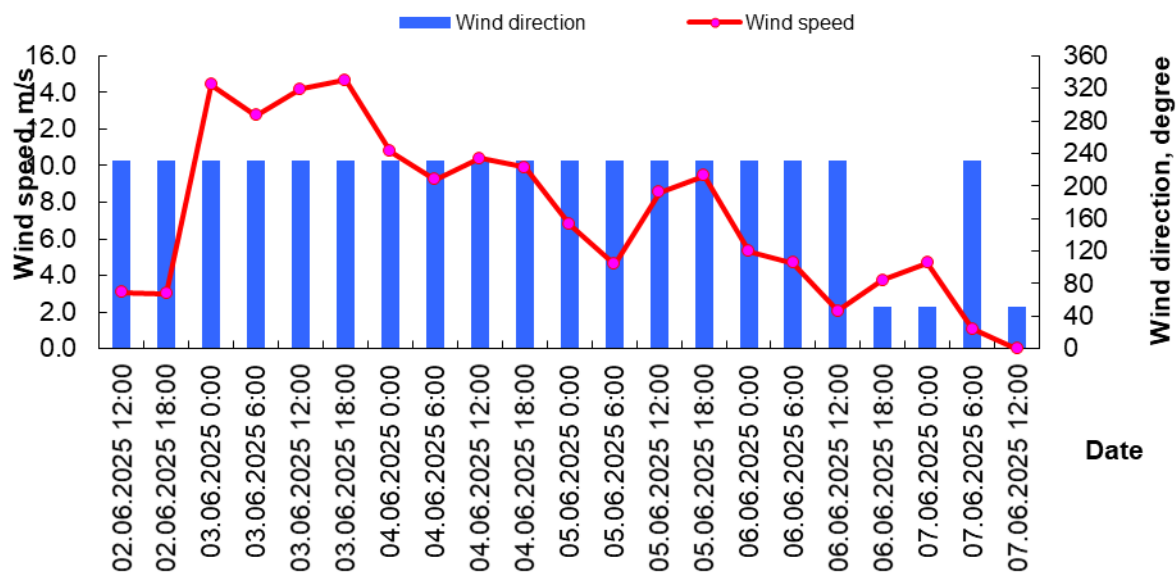
### Wave condition in the Bautino Bay



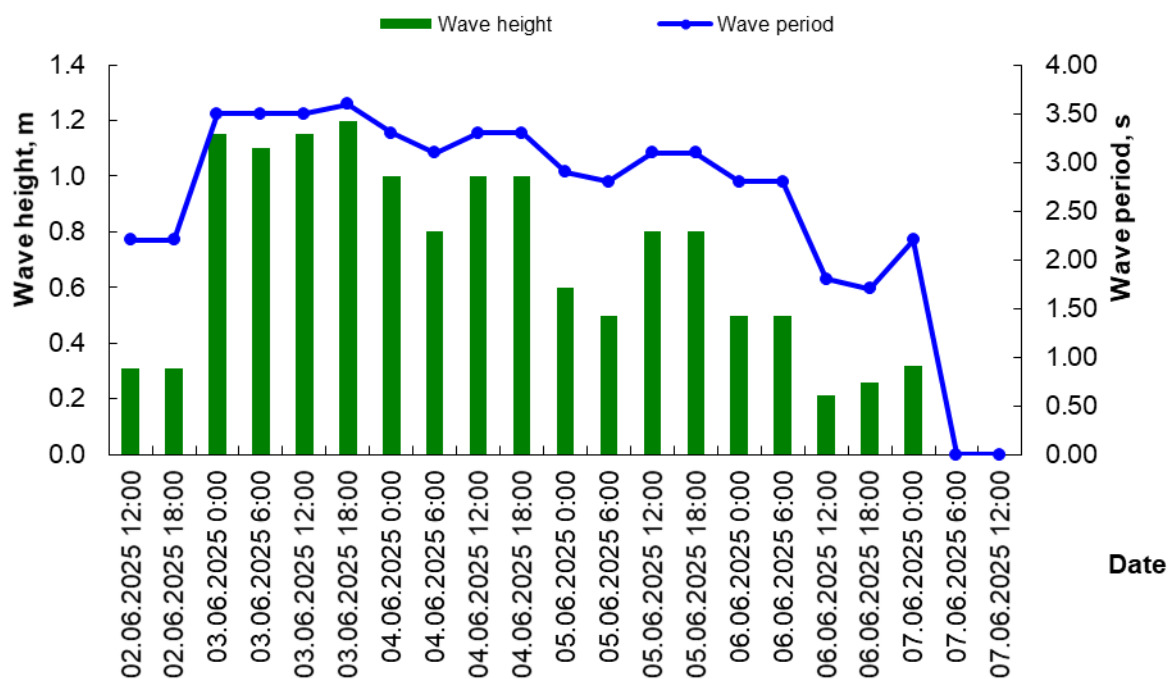
| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 02.06.2025 12:00 | 12                                         | SW       | 1.00                                       | 3.40 |
| 02.06.2025 18:00 | 11                                         | SW       | 1.00                                       | 3.30 |
| 03.06.2025 0:00  | 13                                         | SW       | 1.10                                       | 3.50 |
| 03.06.2025 6:00  | 10                                         | SW       | 1.00                                       | 3.30 |
| 03.06.2025 12:00 | 9                                          | SW       | 0.80                                       | 3.10 |
| 03.06.2025 18:00 | 8                                          | SW       | 0.70                                       | 3.00 |
| 04.06.2025 0:00  | 8                                          | SW       | 0.70                                       | 3.00 |
| 04.06.2025 6:00  | 5                                          | SW       | 0.50                                       | 2.80 |
| 04.06.2025 12:00 | 6                                          | SW       | 0.50                                       | 2.80 |
| 04.06.2025 18:00 | 2                                          | SW       | 0.20                                       | 1.80 |
| 05.06.2025 0:00  | 1                                          | NE       | 0.00                                       | 0.00 |
| 05.06.2025 6:00  | 5                                          | SW       | 0.50                                       | 2.80 |
| 05.06.2025 12:00 | 9                                          | SW       | 0.80                                       | 3.10 |
| 05.06.2025 18:00 | 5                                          | SW       | 0.50                                       | 2.80 |
| 06.06.2025 0:00  | 8                                          | SW       | 0.70                                       | 3.00 |
| 06.06.2025 6:00  | 4                                          | SW       | 0.30                                       | 2.20 |
| 06.06.2025 12:00 | 1                                          | NE       | 0.00                                       | 0.00 |
| 06.06.2025 18:00 | 9                                          | NE       | 0.40                                       | 2.40 |
| 07.06.2025 0:00  | 4                                          | SW       | 0.30                                       | 2.20 |
| 07.06.2025 6:00  | 6                                          | SW       | 0.50                                       | 2.80 |
| 07.06.2025 12:00 | 2                                          | NE       | 0.20                                       | 1.70 |



### Wind condition in the Kuryik Bay



### Wave condition in the Kuryik Bay



| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 02.06.2025 12:00 | 3                                          | SW       | 0.31                                       | 2.20 |
| 02.06.2025 18:00 | 3                                          | SW       | 0.31                                       | 2.20 |
| 03.06.2025 0:00  | 14                                         | SW       | 1.15                                       | 3.50 |
| 03.06.2025 6:00  | 13                                         | SW       | 1.10                                       | 3.50 |
| 03.06.2025 12:00 | 14                                         | SW       | 1.15                                       | 3.50 |
| 03.06.2025 18:00 | 15                                         | SW       | 1.20                                       | 3.60 |
| 04.06.2025 0:00  | 11                                         | SW       | 1.00                                       | 3.30 |
| 04.06.2025 6:00  | 9                                          | SW       | 0.80                                       | 3.10 |
| 04.06.2025 12:00 | 10                                         | SW       | 1.00                                       | 3.30 |
| 04.06.2025 18:00 | 10                                         | SW       | 1.00                                       | 3.30 |
| 05.06.2025 0:00  | 7                                          | SW       | 0.60                                       | 2.90 |
| 05.06.2025 6:00  | 5                                          | SW       | 0.50                                       | 2.80 |
| 05.06.2025 12:00 | 9                                          | SW       | 0.80                                       | 3.10 |
| 05.06.2025 18:00 | 9                                          | SW       | 0.80                                       | 3.10 |
| 06.06.2025 0:00  | 5                                          | SW       | 0.50                                       | 2.80 |
| 06.06.2025 6:00  | 5                                          | SW       | 0.50                                       | 2.80 |
| 06.06.2025 12:00 | 2                                          | SW       | 0.21                                       | 1.80 |
| 06.06.2025 18:00 | 4                                          | NE       | 0.26                                       | 1.70 |
| 07.06.2025 0:00  | 5                                          | NE       | 0.32                                       | 2.20 |
| 07.06.2025 6:00  | 1                                          | SW       | 0.00                                       | 0.00 |
| 07.06.2025 12:00 | 0                                          | NE       | 0.00                                       | 0.00 |

Made by: Zhagparova N.

Checked by: Shishkina G.