

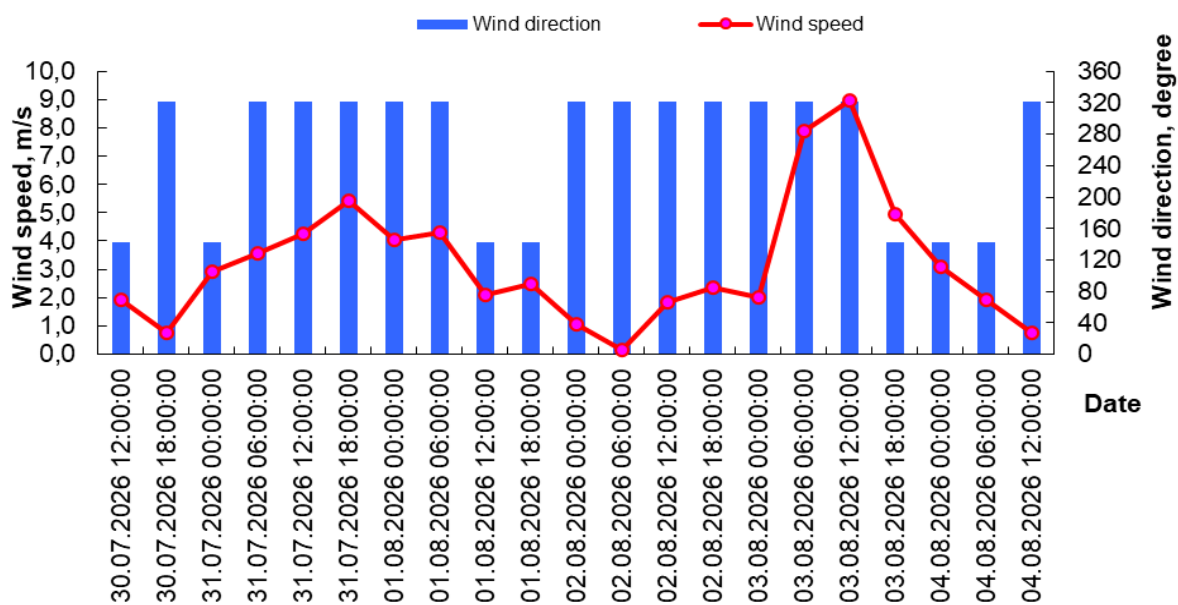


MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN

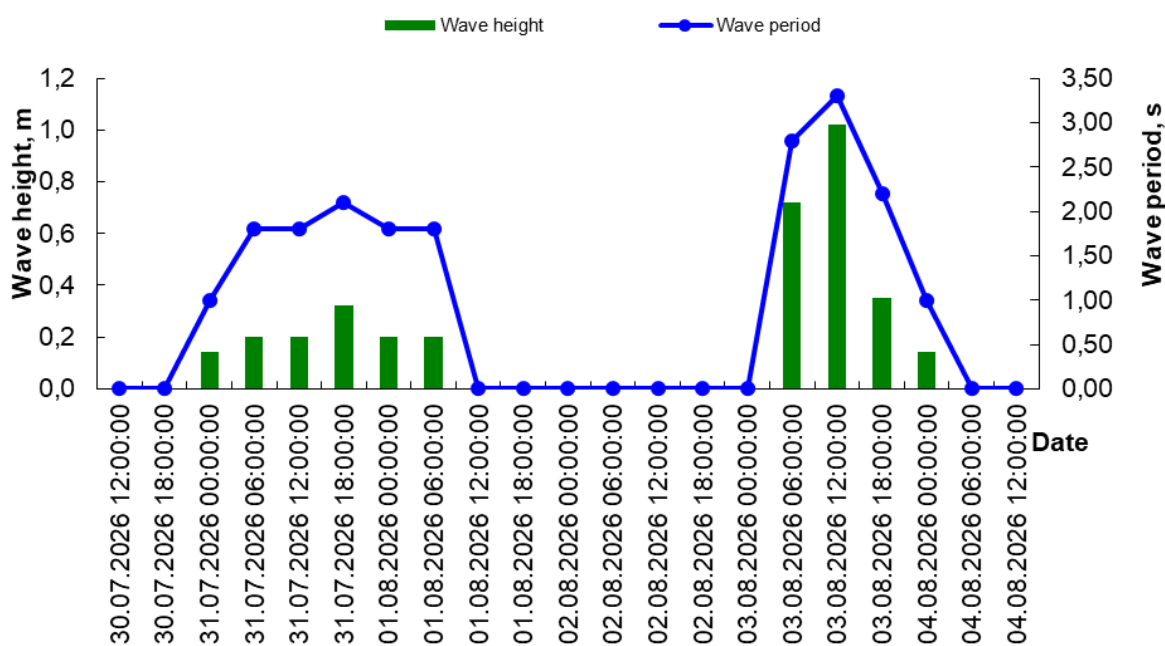
RSE «KAZHYDROMET»

Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day  
advance for the period July 30 – August 04, 2026

Wind condition in the 21050 unit

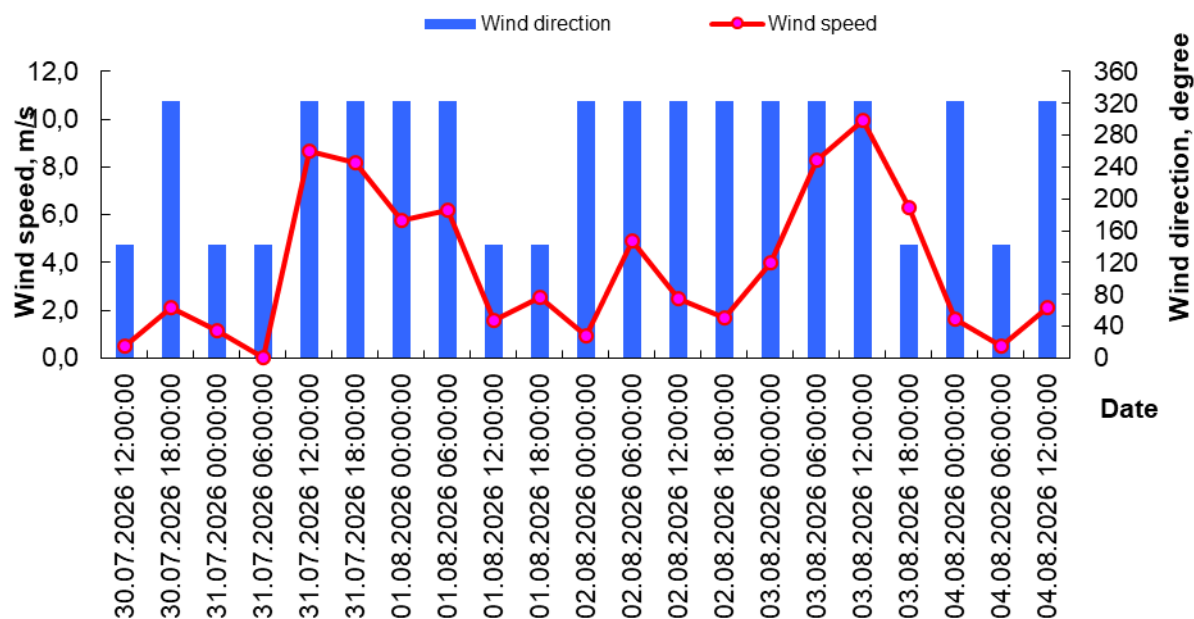


Wave condition in the 21050 unit

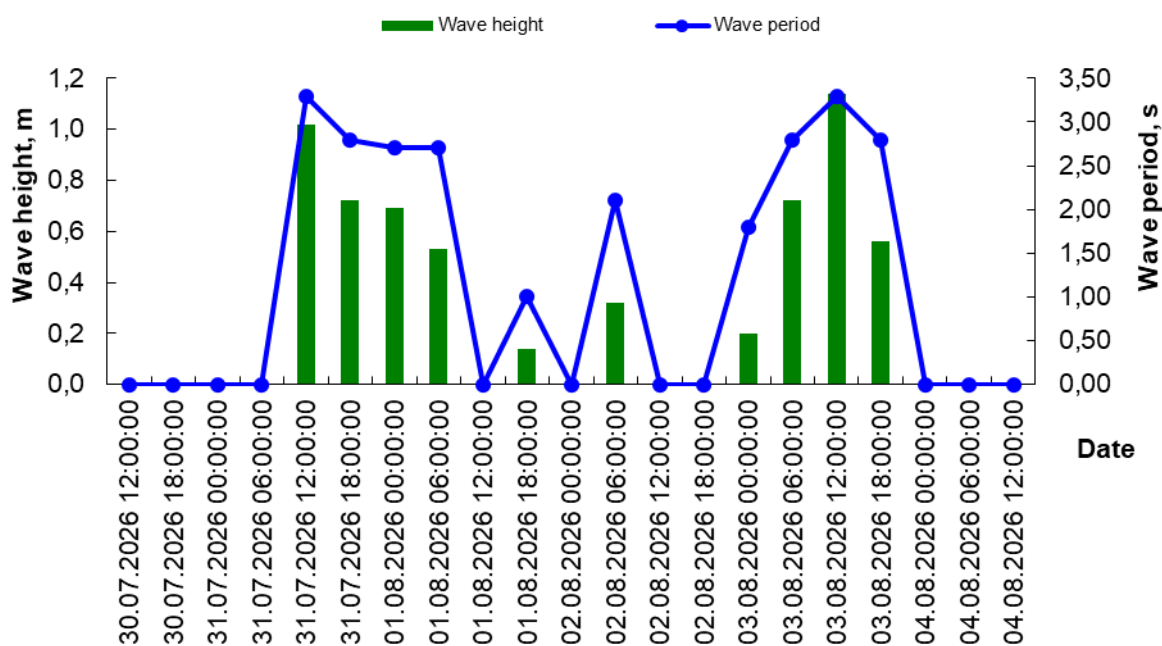


| Date Time           | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period<br>( $\tau$ ) |      |
|---------------------|--------------------------------------------|----------|-----------------------------------------------|------|
|                     | WS, m/s                                    | WD, rumb | H, m                                          | t, s |
| 30.07.2026 12:00:00 | 2                                          | SE       | 0,00                                          | 0,00 |
| 30.07.2026 18:00:00 | 1                                          | NW       | 0,00                                          | 0,00 |
| 31.07.2026 00:00:00 | 3                                          | SE       | 0,14                                          | 1,00 |
| 31.07.2026 06:00:00 | 4                                          | SE       | 0,20                                          | 1,80 |
| 31.07.2026 12:00:00 | 4                                          | NW       | 0,20                                          | 1,80 |
| 31.07.2026 18:00:00 | 5                                          | NW       | 0,32                                          | 2,10 |
| 01.08.2026 00:00:00 | 4                                          | NW       | 0,20                                          | 1,80 |
| 01.08.2026 06:00:00 | 4                                          | NW       | 0,20                                          | 1,80 |
| 01.08.2026 12:00:00 | 2                                          | SE       | 0,00                                          | 0,00 |
| 01.08.2026 18:00:00 | 2                                          | SE       | 0,00                                          | 0,00 |
| 02.08.2026 00:00:00 | 1                                          | NW       | 0,00                                          | 0,00 |
| 02.08.2026 06:00:00 | 0                                          | NW       | 0,00                                          | 0,00 |
| 02.08.2026 12:00:00 | 2                                          | NW       | 0,00                                          | 0,00 |
| 02.08.2026 18:00:00 | 2                                          | NW       | 0,00                                          | 0,00 |
| 03.08.2026 00:00:00 | 2                                          | NW       | 0,00                                          | 0,00 |
| 03.08.2026 06:00:00 | 8                                          | NW       | 0,72                                          | 2,80 |
| 03.08.2026 12:00:00 | 9                                          | NW       | 1,02                                          | 3,30 |
| 03.08.2026 18:00:00 | 5                                          | SE       | 0,35                                          | 2,20 |
| 04.08.2026 00:00:00 | 3                                          | NW       | 0,14                                          | 1,00 |
| 04.08.2026 06:00:00 | 2                                          | SE       | 0,00                                          | 0,00 |
| 04.08.2026 12:00:00 | 1                                          | NW       | 0,00                                          | 0,00 |

### Wind condition in the 21141 unit

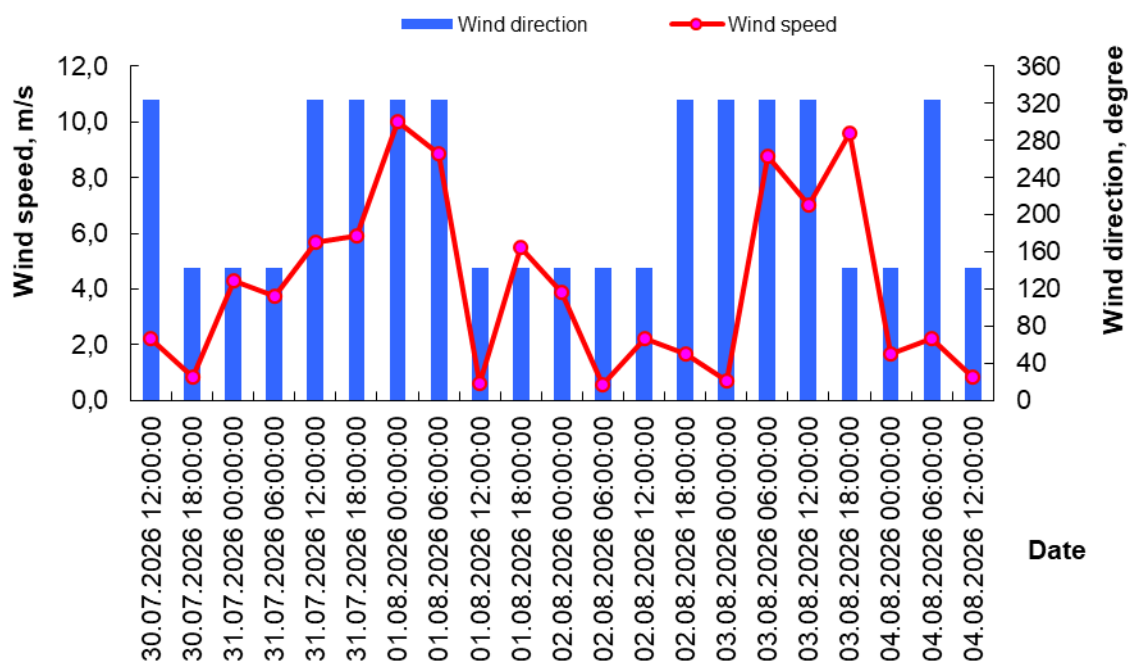


### Wave condition in the 21141 unit

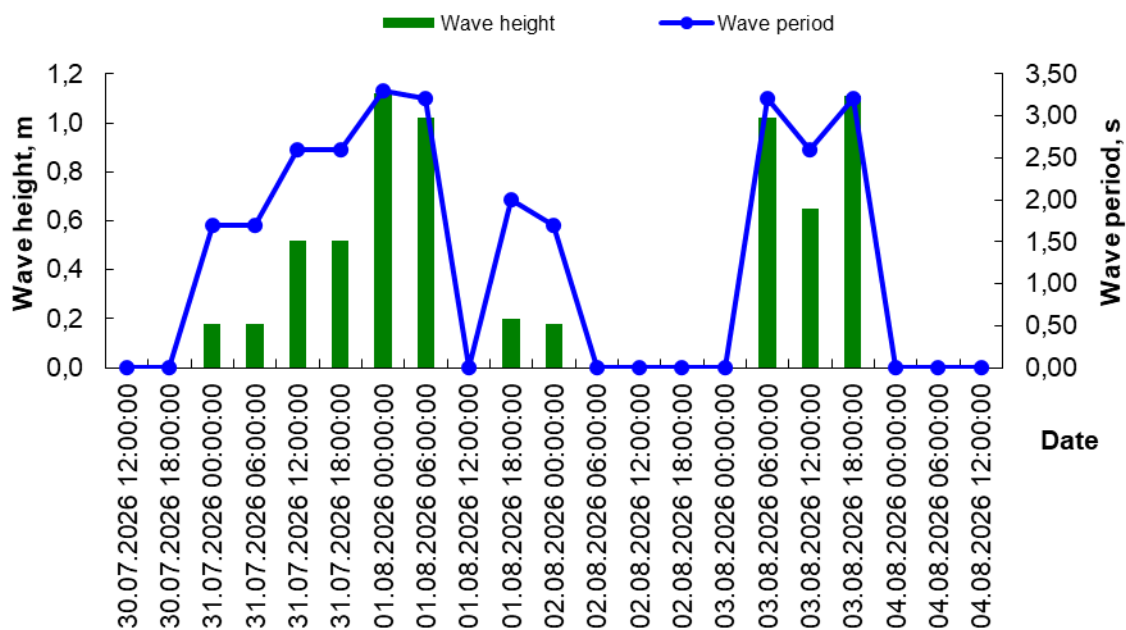


| Date Time           | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                     | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 30.07.2026 12:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 30.07.2026 18:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 31.07.2026 00:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 31.07.2026 06:00:00 | 0                                          | SE       | 0,00                                       | 0,00 |
| 31.07.2026 12:00:00 | 9                                          | NW       | 1,02                                       | 3,30 |
| 31.07.2026 18:00:00 | 8                                          | NW       | 0,72                                       | 2,80 |
| 01.08.2026 00:00:00 | 7                                          | NW       | 0,69                                       | 2,70 |
| 01.08.2026 06:00:00 | 6                                          | NW       | 0,53                                       | 2,70 |
| 01.08.2026 12:00:00 | 2                                          | SE       | 0,00                                       | 0,00 |
| 01.08.2026 18:00:00 | 3                                          | SE       | 0,14                                       | 1,00 |
| 02.08.2026 00:00:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 02.08.2026 06:00:00 | 5                                          | NW       | 0,32                                       | 2,10 |
| 02.08.2026 12:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 02.08.2026 18:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 03.08.2026 00:00:00 | 4                                          | NW       | 0,20                                       | 1,80 |
| 03.08.2026 06:00:00 | 8                                          | NW       | 0,72                                       | 2,80 |
| 03.08.2026 12:00:00 | 10                                         | NW       | 1,14                                       | 3,30 |
| 03.08.2026 18:00:00 | 6                                          | SE       | 0,56                                       | 2,80 |
| 04.08.2026 00:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 04.08.2026 06:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 04.08.2026 12:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |

### Wind condition in the 21142 unit

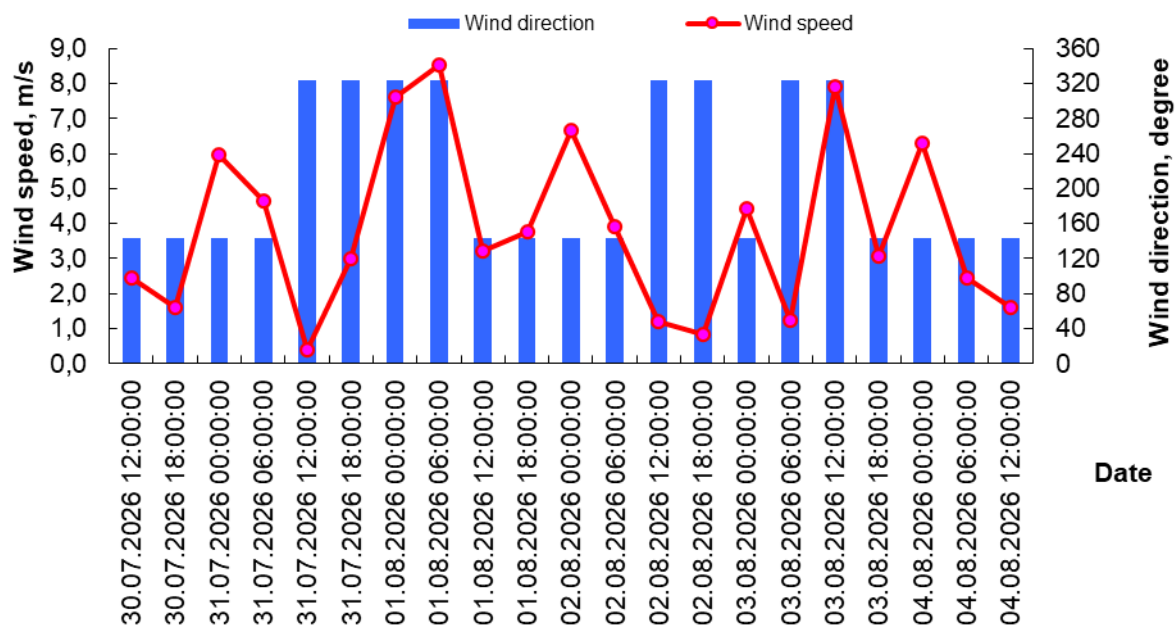


### Wave condition in the 21142 unit

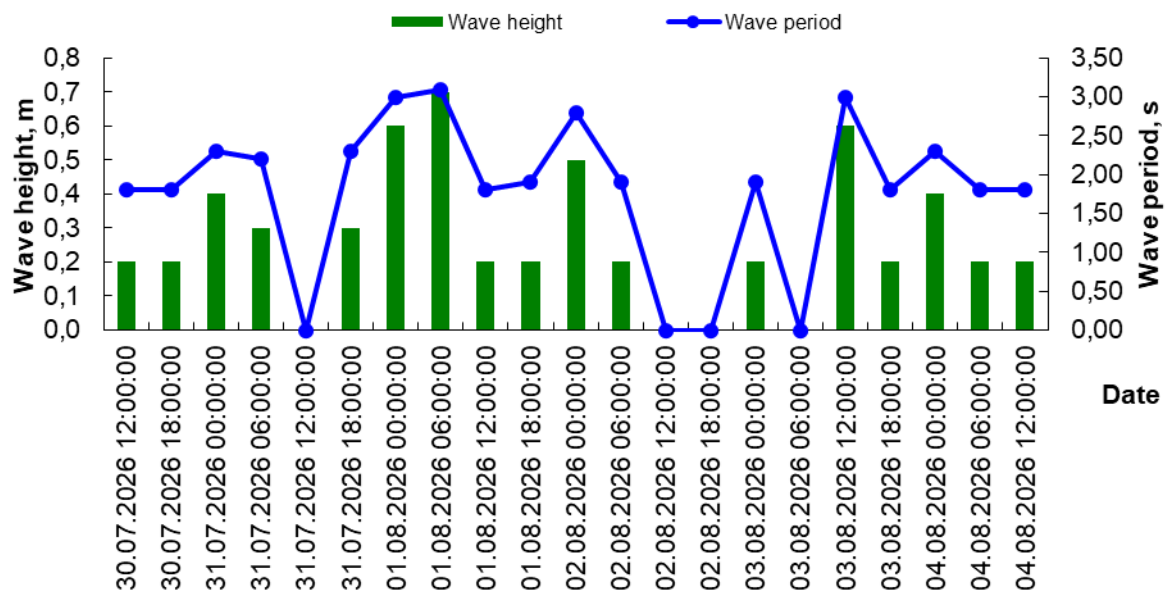


| Date Time           | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                     | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 30.07.2026 12:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 30.07.2026 18:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 31.07.2026 00:00:00 | 4                                          | SE       | 0,18                                       | 1,70 |
| 31.07.2026 06:00:00 | 4                                          | SE       | 0,18                                       | 1,70 |
| 31.07.2026 12:00:00 | 6                                          | NW       | 0,52                                       | 2,60 |
| 31.07.2026 18:00:00 | 6                                          | NW       | 0,52                                       | 2,60 |
| 01.08.2026 00:00:00 | 10                                         | NW       | 1,12                                       | 3,30 |
| 01.08.2026 06:00:00 | 9                                          | NW       | 1,02                                       | 3,20 |
| 01.08.2026 12:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 01.08.2026 18:00:00 | 5                                          | SE       | 0,20                                       | 2,00 |
| 02.08.2026 00:00:00 | 4                                          | SE       | 0,18                                       | 1,70 |
| 02.08.2026 06:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 02.08.2026 12:00:00 | 2                                          | SE       | 0,00                                       | 0,00 |
| 02.08.2026 18:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 03.08.2026 00:00:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 03.08.2026 06:00:00 | 9                                          | NW       | 1,02                                       | 3,20 |
| 03.08.2026 12:00:00 | 7                                          | NW       | 0,65                                       | 2,60 |
| 03.08.2026 18:00:00 | 10                                         | SE       | 1,11                                       | 3,20 |
| 04.08.2026 00:00:00 | 2                                          | SE       | 0,00                                       | 0,00 |
| 04.08.2026 06:00:00 | 2                                          | NW       | 0,00                                       | 0,00 |
| 04.08.2026 12:00:00 | 1                                          | SE       | 0,00                                       | 0,00 |

### Wind condition in the Bautino Bay

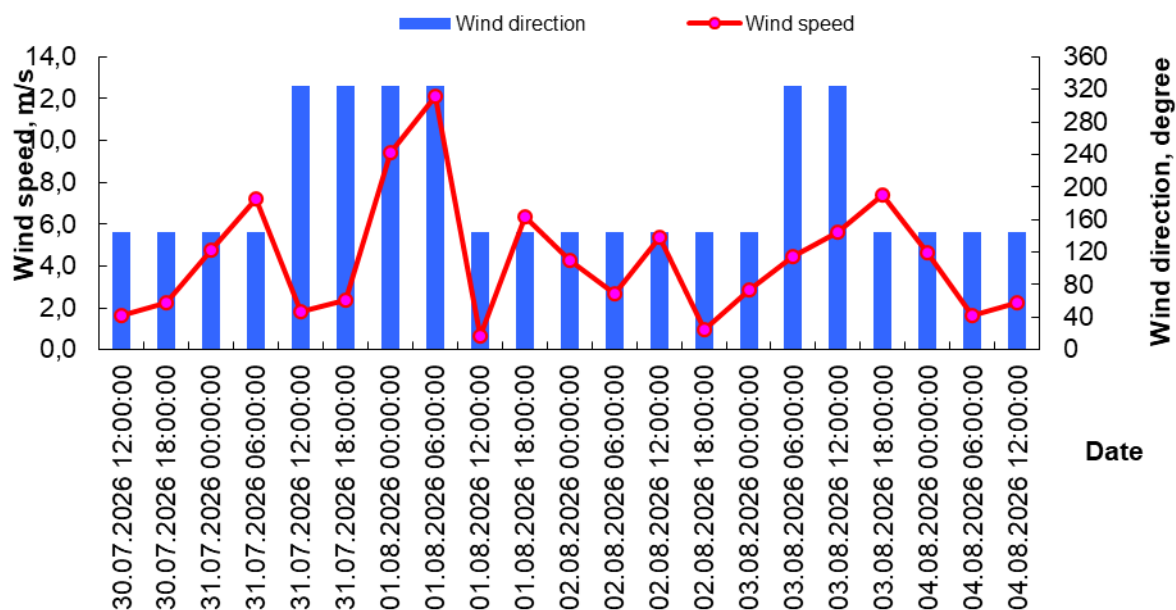


### Wave condition in the Bautino Bay

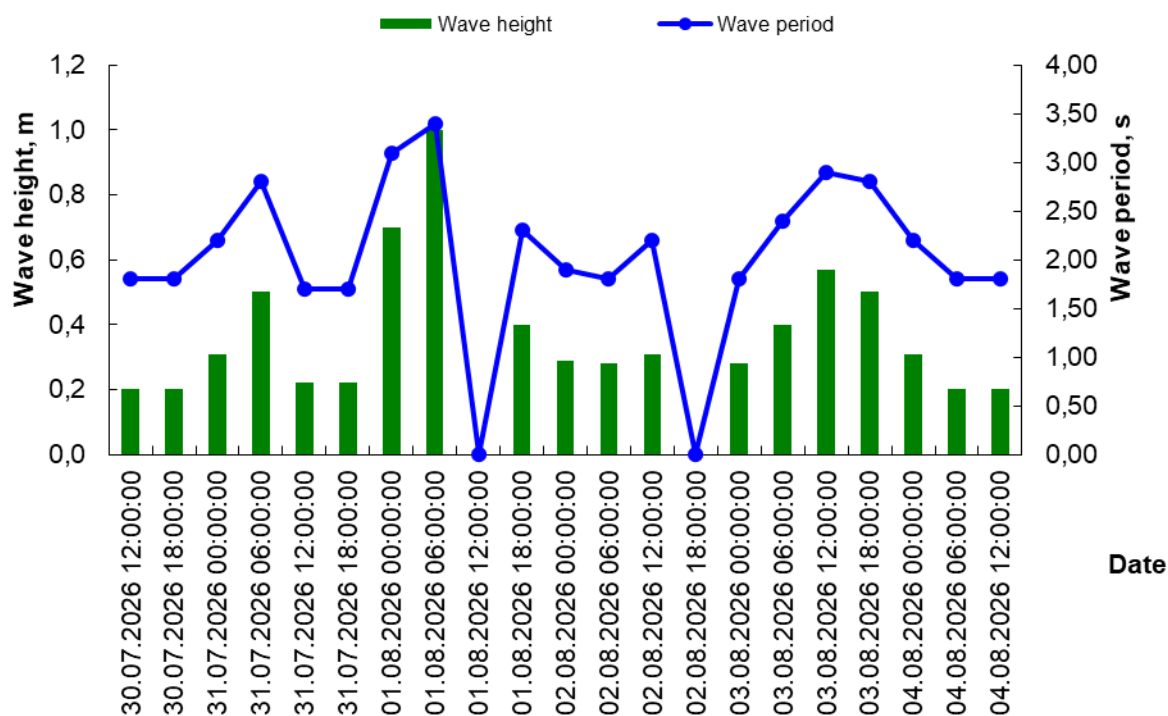


| Date Time           | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                     | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 30.07.2026 12:00:00 | 2                                          | SE       | 0,20                                       | 1,80 |
| 30.07.2026 18:00:00 | 2                                          | SE       | 0,20                                       | 1,80 |
| 31.07.2026 00:00:00 | 6                                          | SE       | 0,40                                       | 2,30 |
| 31.07.2026 06:00:00 | 5                                          | SE       | 0,30                                       | 2,20 |
| 31.07.2026 12:00:00 | 0                                          | NW       | 0,00                                       | 0,00 |
| 31.07.2026 18:00:00 | 3                                          | NW       | 0,30                                       | 2,30 |
| 01.08.2026 00:00:00 | 8                                          | NW       | 0,60                                       | 3,00 |
| 01.08.2026 06:00:00 | 9                                          | NW       | 0,70                                       | 3,10 |
| 01.08.2026 12:00:00 | 3                                          | SE       | 0,20                                       | 1,80 |
| 01.08.2026 18:00:00 | 4                                          | SE       | 0,20                                       | 1,90 |
| 02.08.2026 00:00:00 | 7                                          | SE       | 0,50                                       | 2,80 |
| 02.08.2026 06:00:00 | 4                                          | SE       | 0,20                                       | 1,90 |
| 02.08.2026 12:00:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 02.08.2026 18:00:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 03.08.2026 00:00:00 | 4                                          | SE       | 0,20                                       | 1,90 |
| 03.08.2026 06:00:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 03.08.2026 12:00:00 | 8                                          | NW       | 0,60                                       | 3,00 |
| 03.08.2026 18:00:00 | 3                                          | SE       | 0,20                                       | 1,80 |
| 04.08.2026 00:00:00 | 6                                          | SE       | 0,40                                       | 2,30 |
| 04.08.2026 06:00:00 | 2                                          | SE       | 0,20                                       | 1,80 |
| 04.08.2026 12:00:00 | 2                                          | SE       | 0,20                                       | 1,80 |

### 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 ( $\tau$ ) |      |
|---------------------|-----------------------------------------|----------|--------------------------------------------|------|
|                     | WS, m/s                                 | WD, rumb | H, m                                       | t, s |
| 30.07.2026 12:00:00 | 2                                       | SE       | 0,20                                       | 1,80 |
| 30.07.2026 18:00:00 | 2                                       | SE       | 0,20                                       | 1,80 |
| 31.07.2026 00:00:00 | 5                                       | SE       | 0,31                                       | 2,20 |
| 31.07.2026 06:00:00 | 7                                       | SE       | 0,50                                       | 2,80 |
| 31.07.2026 12:00:00 | 2                                       | NW       | 0,22                                       | 1,70 |
| 31.07.2026 18:00:00 | 2                                       | NW       | 0,22                                       | 1,70 |
| 01.08.2026 00:00:00 | 9                                       | NW       | 0,70                                       | 3,10 |
| 01.08.2026 06:00:00 | 12                                      | NW       | 1,00                                       | 3,40 |
| 01.08.2026 12:00:00 | 1                                       | SE       | 0,00                                       | 0,00 |
| 01.08.2026 18:00:00 | 6                                       | SE       | 0,40                                       | 2,30 |
| 02.08.2026 00:00:00 | 4                                       | SE       | 0,29                                       | 1,90 |
| 02.08.2026 06:00:00 | 3                                       | SE       | 0,28                                       | 1,80 |
| 02.08.2026 12:00:00 | 5                                       | SE       | 0,31                                       | 2,20 |
| 02.08.2026 18:00:00 | 1                                       | SE       | 0,00                                       | 0,00 |
| 03.08.2026 00:00:00 | 3                                       | SE       | 0,28                                       | 1,80 |
| 03.08.2026 06:00:00 | 4                                       | NW       | 0,40                                       | 2,40 |
| 03.08.2026 12:00:00 | 6                                       | NW       | 0,57                                       | 2,90 |
| 03.08.2026 18:00:00 | 7                                       | SE       | 0,50                                       | 2,80 |
| 04.08.2026 00:00:00 | 5                                       | SE       | 0,31                                       | 2,20 |
| 04.08.2026 06:00:00 | 2                                       | SE       | 0,20                                       | 1,80 |
| 04.08.2026 12:00:00 | 2                                       | SE       | 0,20                                       | 1,80 |

Made by: Kurmangalieva A.K.

Checked by: Bazarbay L.B.