

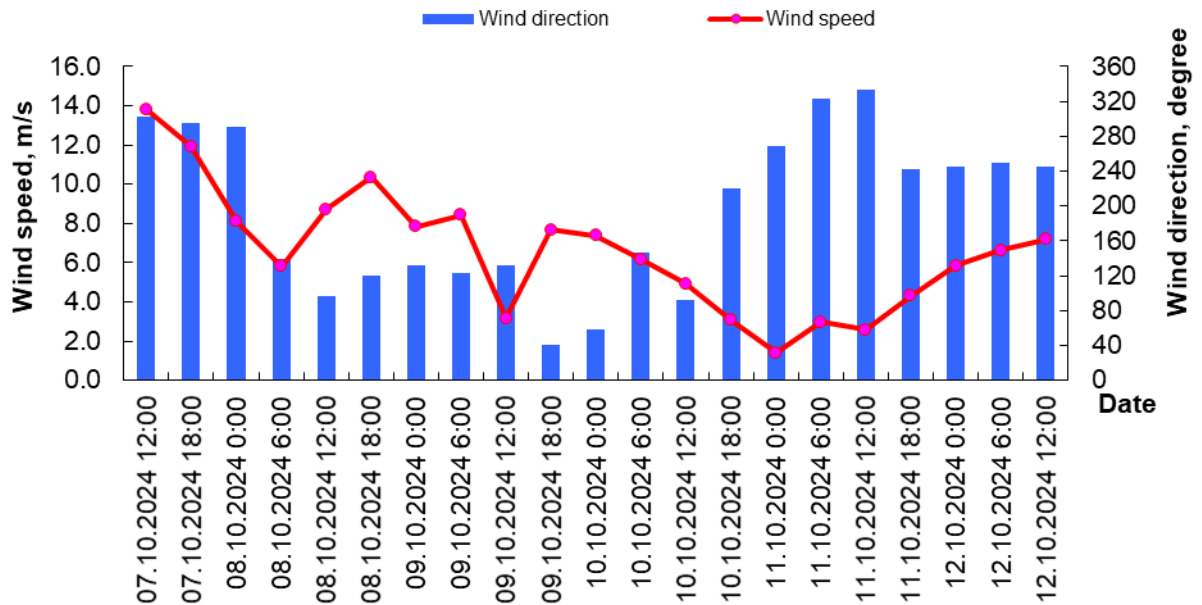


MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN

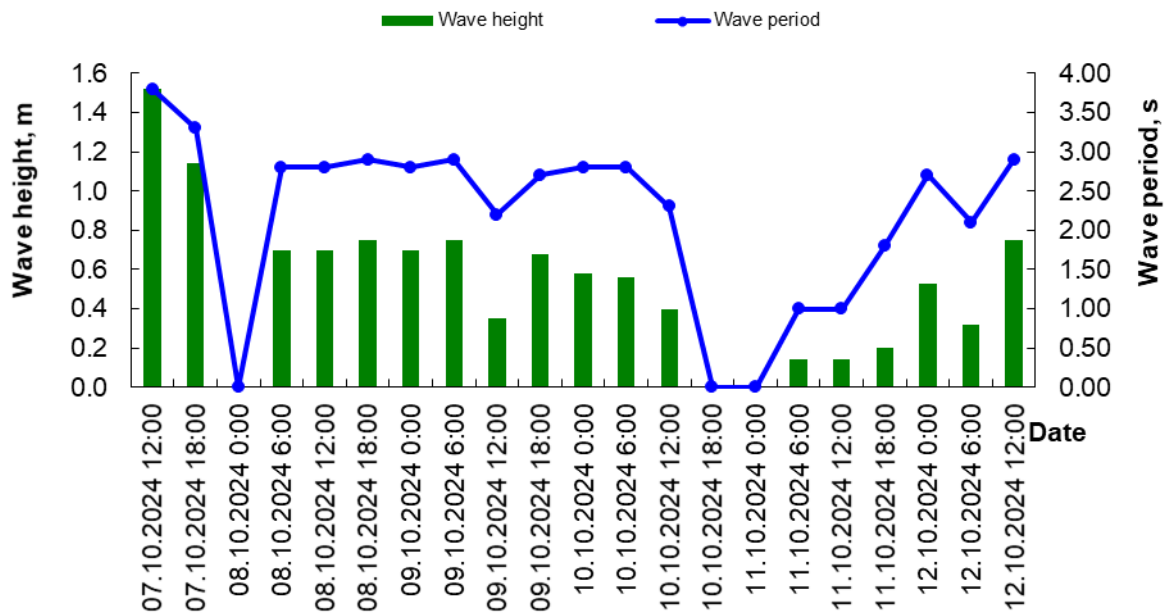
RSE «KAZHYDROMET»

Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day  
advance for the period October 07 – 12, 2024

Wind condition in the 21050 unit

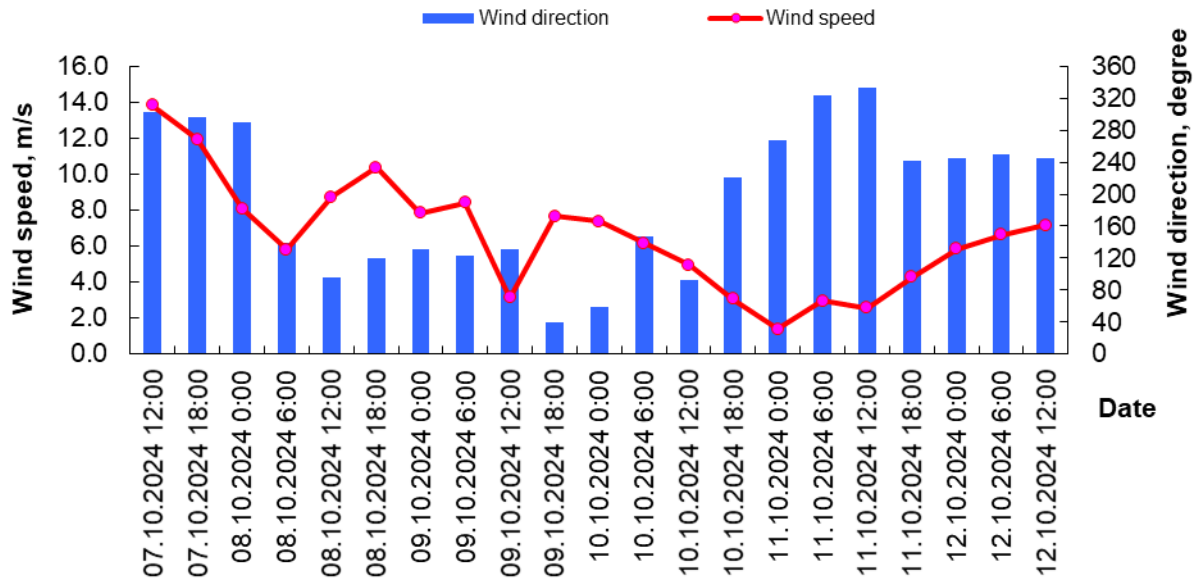


Wave condition in the 21050 unit

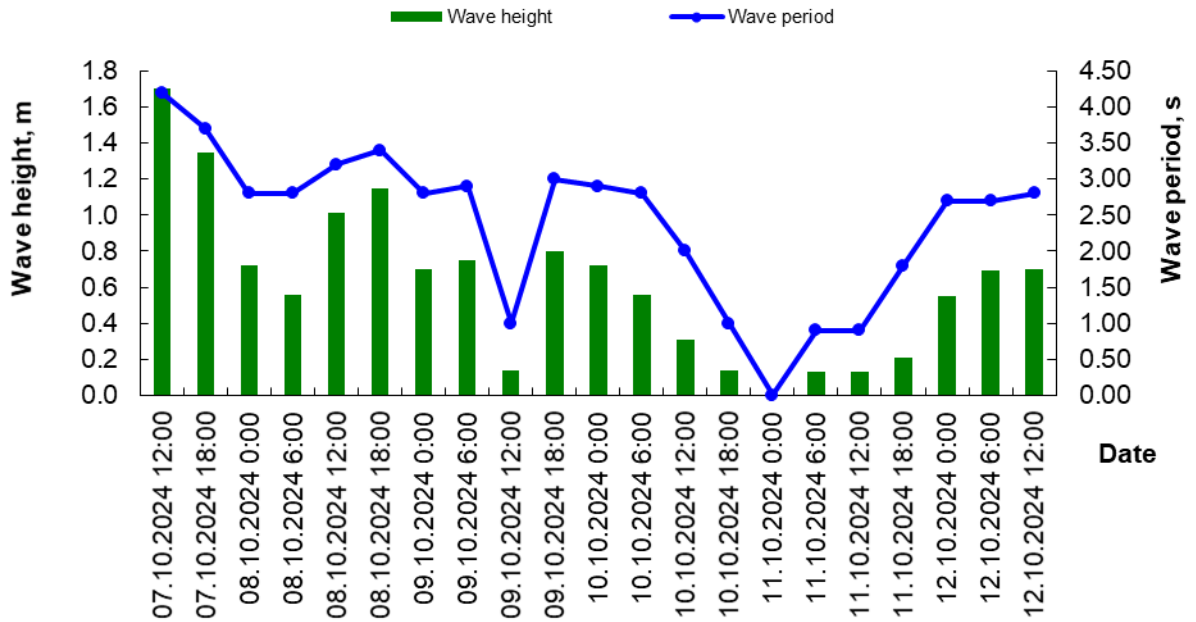


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
07.10.2024 12:00	13	NW	1.52	3.80
07.10.2024 18:00	10	NW	1.14	3.30
08.10.2024 0:00	2	W	0.00	0.00
08.10.2024 6:00	7	SE	0.70	2.80
08.10.2024 12:00	7	E	0.70	2.80
08.10.2024 18:00	8	SE	0.75	2.90
09.10.2024 0:00	7	SE	0.70	2.80
09.10.2024 6:00	8	SE	0.75	2.90
09.10.2024 12:00	5	SE	0.35	2.20
09.10.2024 18:00	7	NE	0.68	2.70
10.10.2024 0:00	6	NE	0.58	2.80
10.10.2024 6:00	6	SE	0.56	2.80
10.10.2024 12:00	5	E	0.40	2.30
10.10.2024 18:00	1	SW	0.00	0.00
11.10.2024 0:00	1	W	0.00	0.00
11.10.2024 6:00	3	NW	0.14	1.00
11.10.2024 12:00	3	NW	0.14	1.00
11.10.2024 18:00	4	SW	0.20	1.80
12.10.2024 0:00	6	SW	0.53	2.70
12.10.2024 6:00	5	W	0.32	2.10
12.10.2024 12:00	8	SW	0.75	2.90

### Wind condition in the 21141 unit

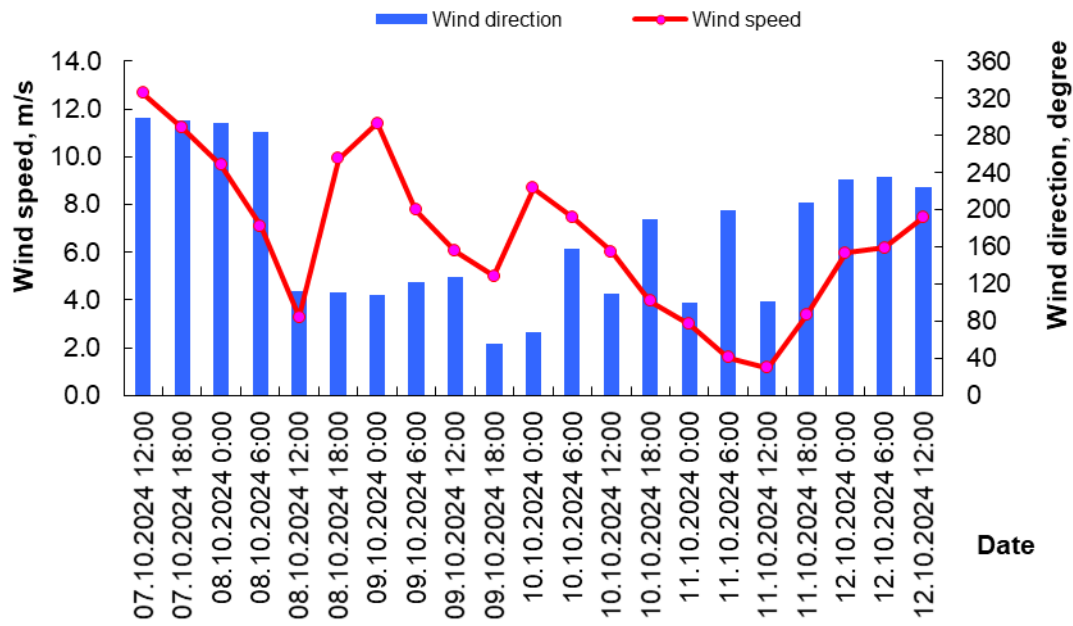


### Wave condition in the 21141 unit

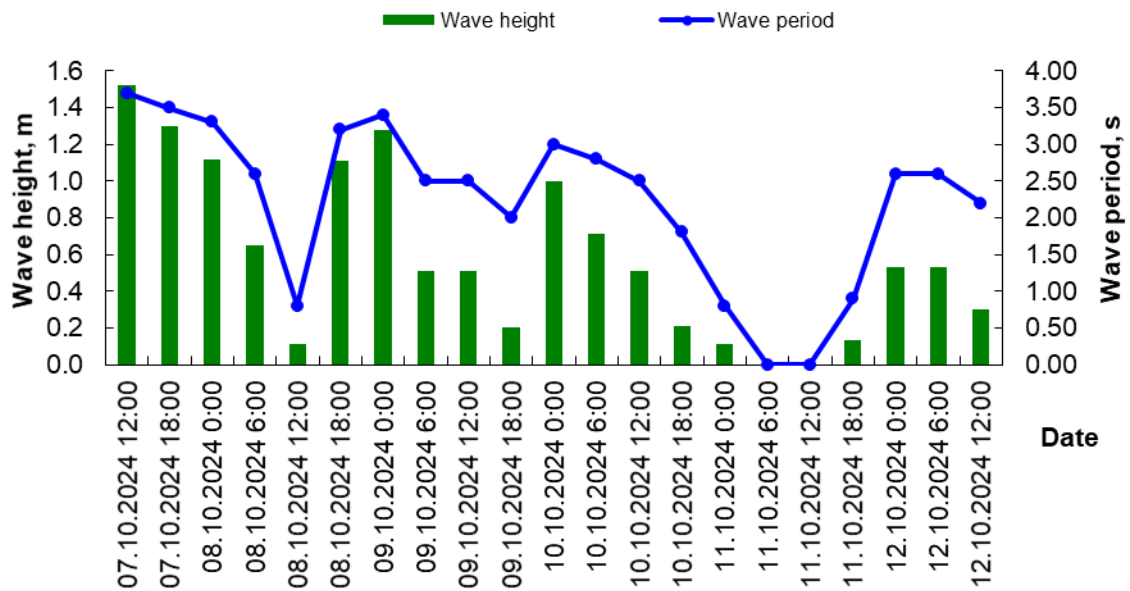


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
07.10.2024 12:00	14	NW	1.70	4.20
07.10.2024 18:00	12	NW	1.35	3.70
08.10.2024 0:00	8	W	0.72	2.80
08.10.2024 6:00	6	SE	0.56	2.80
08.10.2024 12:00	9	E	1.01	3.20
08.10.2024 18:00	10	SE	1.15	3.40
09.10.2024 0:00	7	SE	0.70	2.80
09.10.2024 6:00	8	SE	0.75	2.90
09.10.2024 12:00	3	SE	0.14	1.00
09.10.2024 18:00	8	NE	0.80	3.00
10.10.2024 0:00	7	NE	0.72	2.90
10.10.2024 6:00	6	SE	0.56	2.80
10.10.2024 12:00	5	E	0.31	2.00
10.10.2024 18:00	3	SW	0.14	1.00
11.10.2024 0:00	1	W	0.00	0.00
11.10.2024 6:00	3	NW	0.13	0.90
11.10.2024 12:00	3	NW	0.13	0.90
11.10.2024 18:00	4	SW	0.21	1.80
12.10.2024 0:00	6	SW	0.55	2.70
12.10.2024 6:00	7	W	0.69	2.70
12.10.2024 12:00	7	SW	0.70	2.80

### Wind condition in the 21142 unit

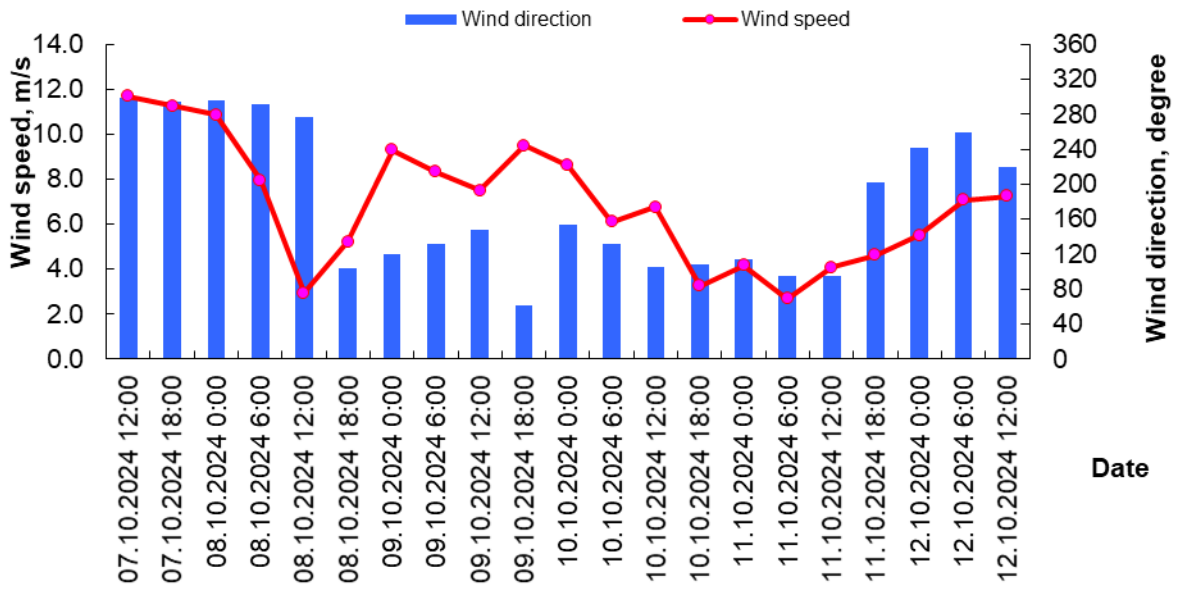


### Wave condition in the 21142 unit

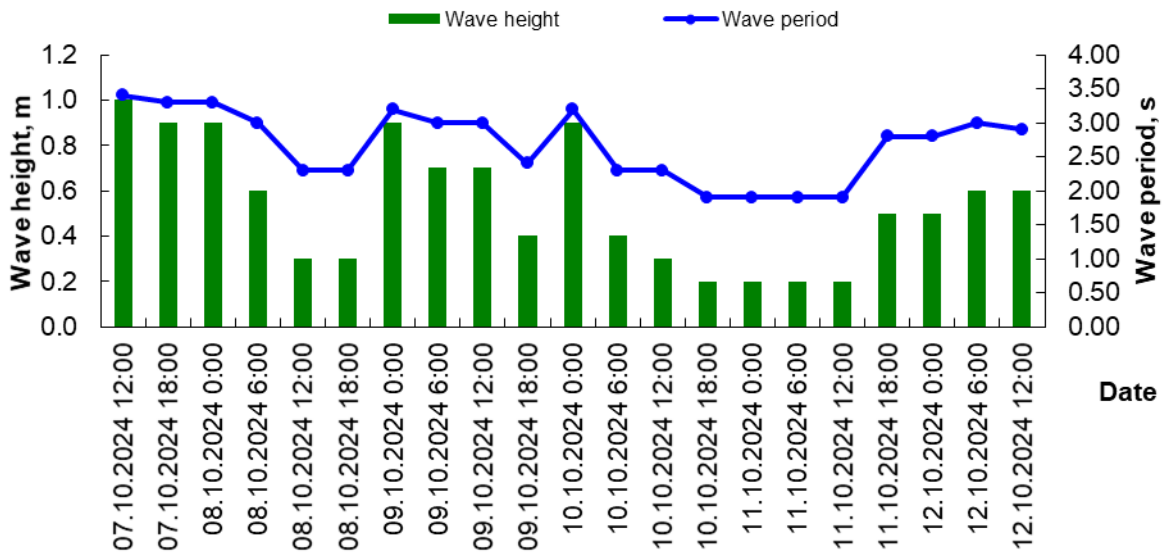


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
07.10.2024 12:00	13	NW	1.52	3.70
07.10.2024 18:00	11	NW	1.30	3.50
08.10.2024 0:00	10	NW	1.12	3.30
08.10.2024 6:00	7	W	0.65	2.60
08.10.2024 12:00	3	E	0.11	0.80
08.10.2024 18:00	10	E	1.11	3.20
09.10.2024 0:00	11	E	1.28	3.40
09.10.2024 6:00	6	SE	0.51	2.50
09.10.2024 12:00	6	SE	0.51	2.50
09.10.2024 18:00	5	NE	0.20	2.00
10.10.2024 0:00	9	E	1.00	3.00
10.10.2024 6:00	7	S	0.71	2.80
10.10.2024 12:00	6	E	0.51	2.50
10.10.2024 18:00	4	S	0.21	1.80
11.10.2024 0:00	3	E	0.11	0.80
11.10.2024 6:00	2	S	0.00	0.00
11.10.2024 12:00	1	E	0.00	0.00
11.10.2024 18:00	3	SW	0.13	0.90
12.10.2024 0:00	6	SW	0.53	2.60
12.10.2024 6:00	6	SW	0.53	2.60
12.10.2024 12:00	5	SW	0.30	2.20

### Wind condition in the Bautino Bay



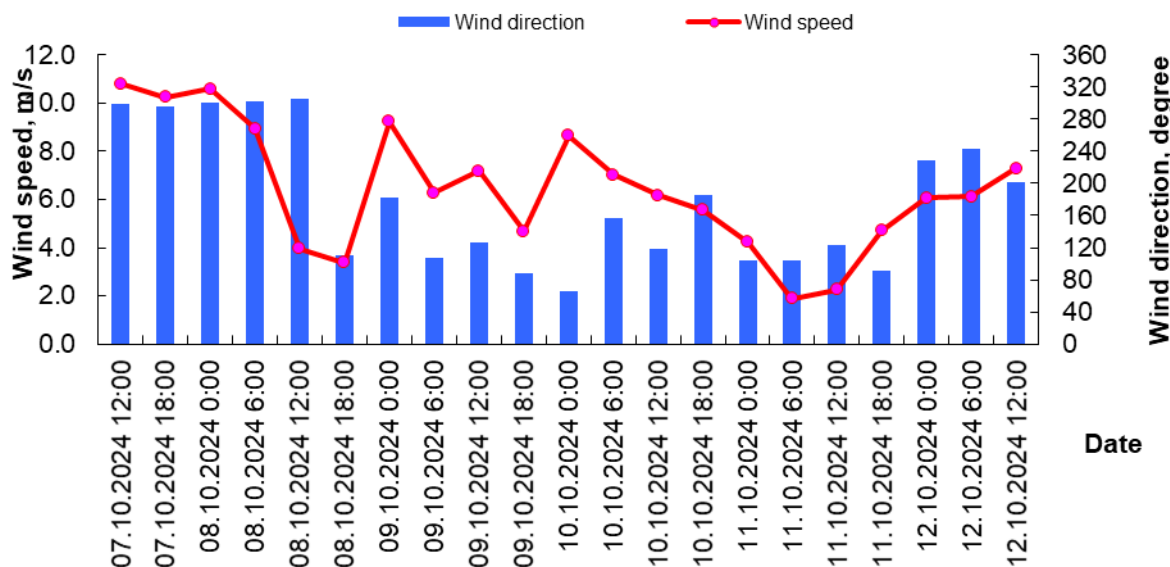
### Wave condition in the Bautino Bay



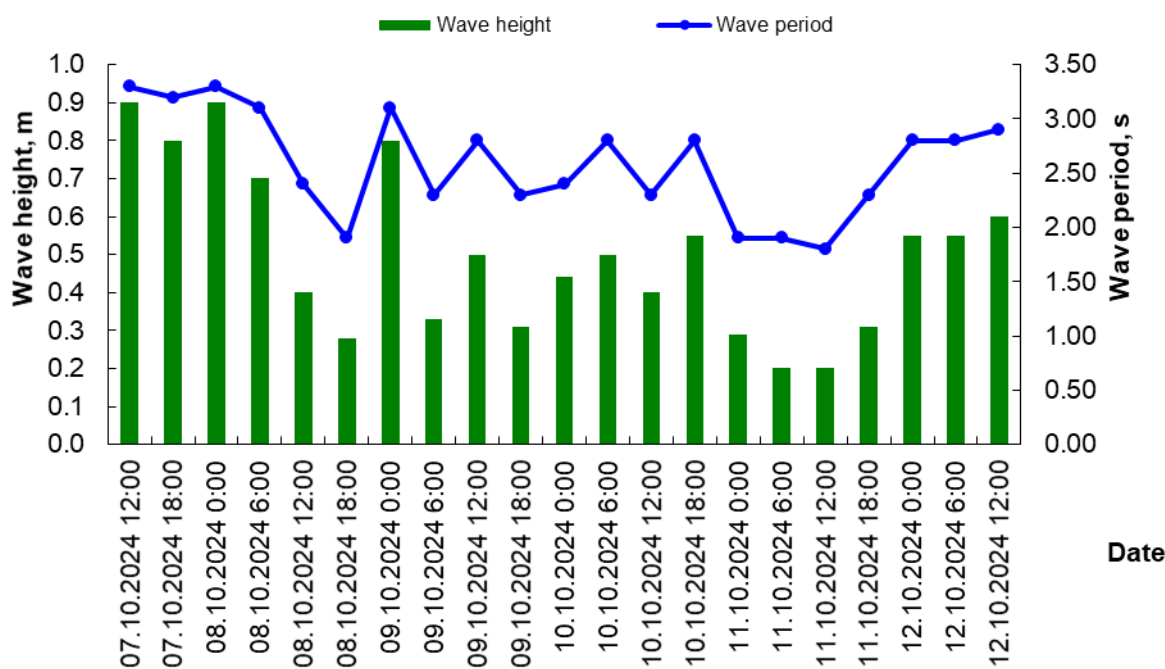
Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
	07.10.2024 12:00	12	NW	1.00
07.10.2024 18:00	11	NW	0.90	3.30
08.10.2024 0:00	11	NW	0.90	3.30
08.10.2024 6:00	8	W	0.60	3.00
08.10.2024 12:00	3	W	0.30	2.30
08.10.2024 18:00	5	E	0.30	2.30
09.10.2024 0:00	9	SE	0.90	3.20
09.10.2024 6:00	8	SE	0.70	3.00
09.10.2024 12:00	8	SE	0.70	3.00
09.10.2024 18:00	10	NE	0.40	2.40
10.10.2024 0:00	9	SE	0.90	3.20
10.10.2024 6:00	6	SE	0.40	2.30
10.10.2024 12:00	7	E	0.30	2.30
10.10.2024 18:00	3	E	0.20	1.90
11.10.2024 0:00	4	SE	0.20	1.90
11.10.2024 6:00	3	E	0.20	1.90
11.10.2024 12:00	4	E	0.20	1.90
11.10.2024 18:00	5	S	0.50	2.80
12.10.2024 0:00	6	SW	0.50	2.80
12.10.2024 6:00	7	W	0.60	3.00
12.10.2024 12:00	7	SW	0.60	2.90



### 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
07.10.2024 12:00	11	NW	0.90	3.30
07.10.2024 18:00	10	NW	0.80	3.20
08.10.2024 0:00	11	NW	0.90	3.30
08.10.2024 6:00	9	NW	0.70	3.10
08.10.2024 12:00	4	NW	0.40	2.40
08.10.2024 18:00	3	E	0.28	1.90
09.10.2024 0:00	9	S	0.80	3.10
09.10.2024 6:00	6	E	0.33	2.30
09.10.2024 12:00	7	SE	0.50	2.80
09.10.2024 18:00	5	E	0.31	2.30
10.10.2024 0:00	9	NE	0.44	2.40
10.10.2024 6:00	7	SE	0.50	2.80
10.10.2024 12:00	6	SE	0.40	2.30
10.10.2024 18:00	6	S	0.55	2.80
11.10.2024 0:00	4	E	0.29	1.90
11.10.2024 6:00	2	E	0.20	1.90
11.10.2024 12:00	2	SE	0.20	1.80
11.10.2024 18:00	5	E	0.31	2.30
12.10.2024 0:00	6	SW	0.55	2.80
12.10.2024 6:00	6	SW	0.55	2.80
12.10.2024 12:00	7	S	0.60	2.90

Made by: Zhagparova N.N.

Checked by: Shishkina G.