

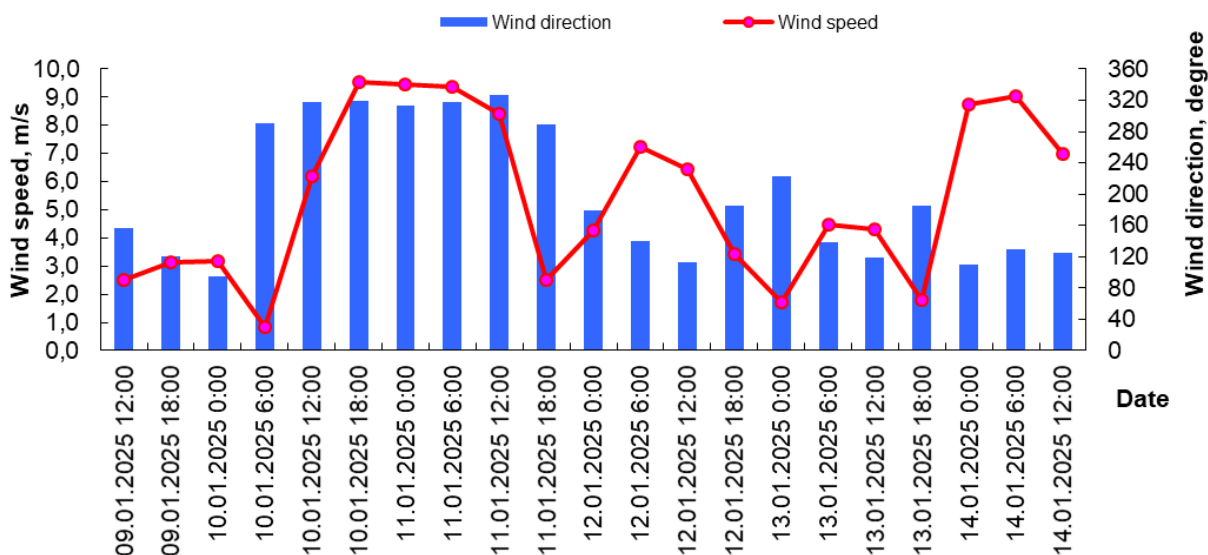


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

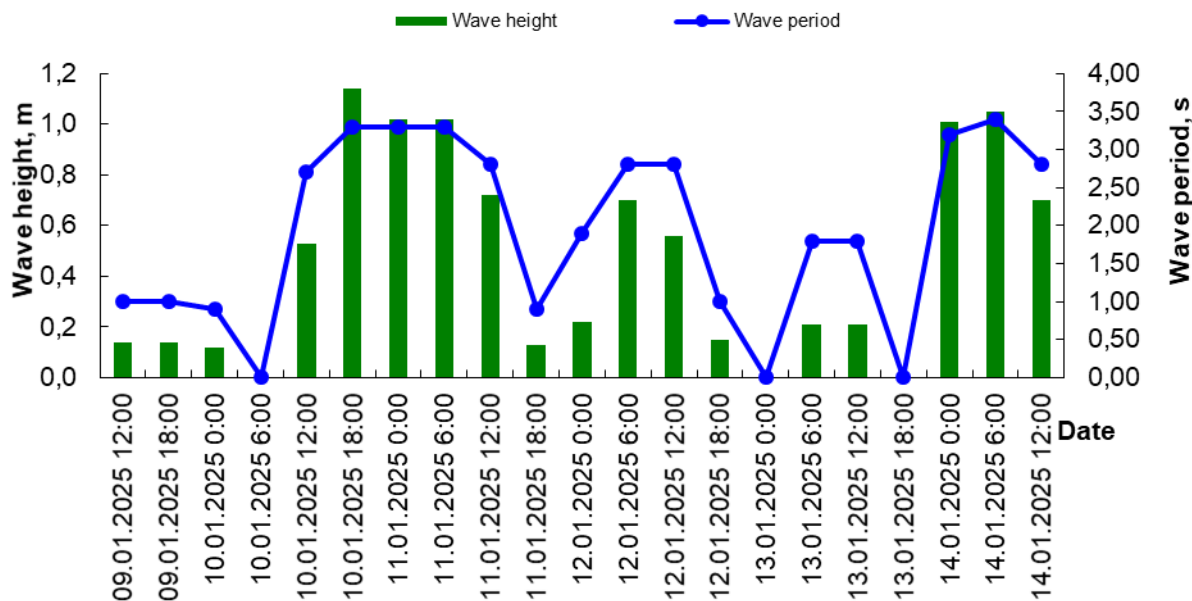
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period January 09 – 14, 2025**

Wind condition in the 21050 unit

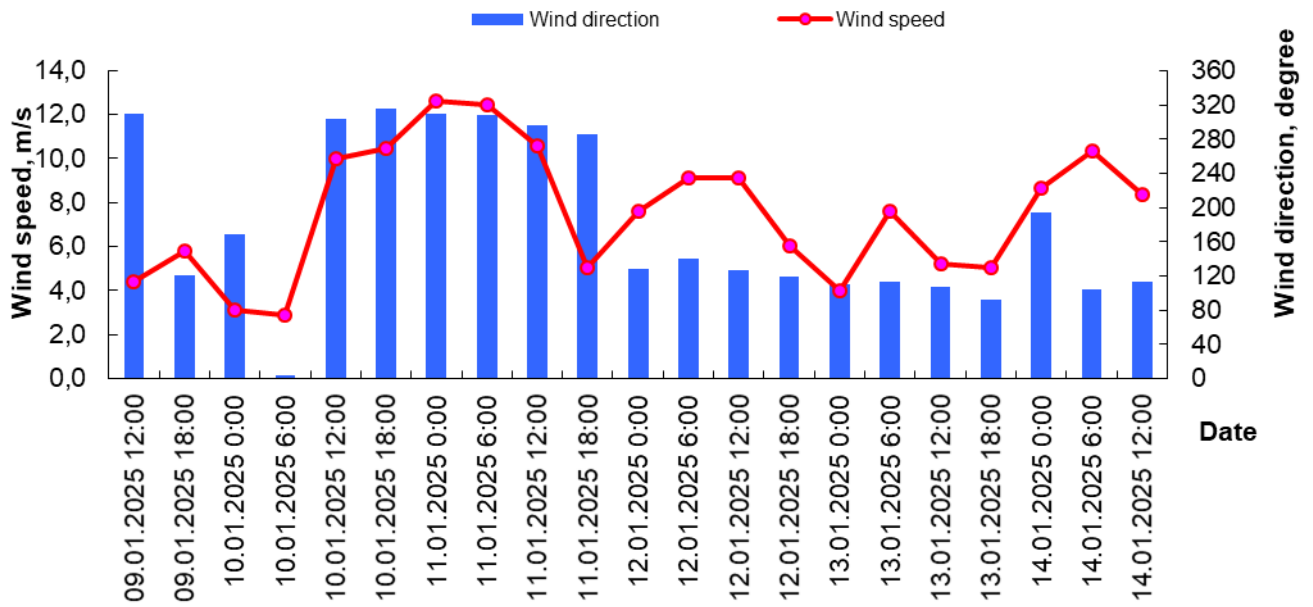


Wave condition in the 21050 unit

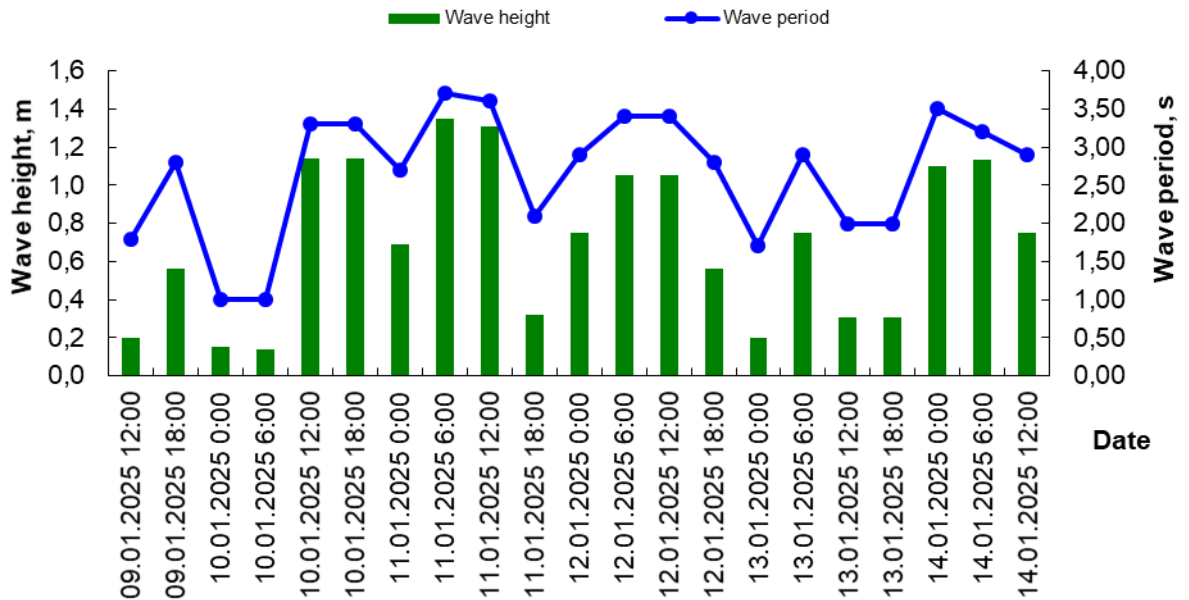


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
09.01.2025 12:00	3	NW	0,14	1,00
09.01.2025 18:00	3	SE	0,14	1,00
10.01.2025 0:00	3	S	0,12	0,90
10.01.2025 6:00	1	N	0,00	0,00
10.01.2025 12:00	6	NW	0,53	2,70
10.01.2025 18:00	10	NW	1,14	3,30
11.01.2025 0:00	9	NW	1,02	3,30
11.01.2025 6:00	9	NW	1,02	3,30
11.01.2025 12:00	8	NW	0,72	2,80
11.01.2025 18:00	3	W	0,13	0,90
12.01.2025 0:00	4	SE	0,22	1,90
12.01.2025 6:00	7	SE	0,70	2,80
12.01.2025 12:00	6	SE	0,56	2,80
12.01.2025 18:00	3	SE	0,15	1,00
13.01.2025 0:00	2	E	0,00	0,00
13.01.2025 6:00	4	SE	0,21	1,80
13.01.2025 12:00	4	E	0,21	1,80
13.01.2025 18:00	2	E	0,00	0,00
14.01.2025 0:00	9	S	1,01	3,20
14.01.2025 6:00	9	E	1,05	3,40
14.01.2025 12:00	7	SE	0,70	2,80

Wind condition in the 21141 unit

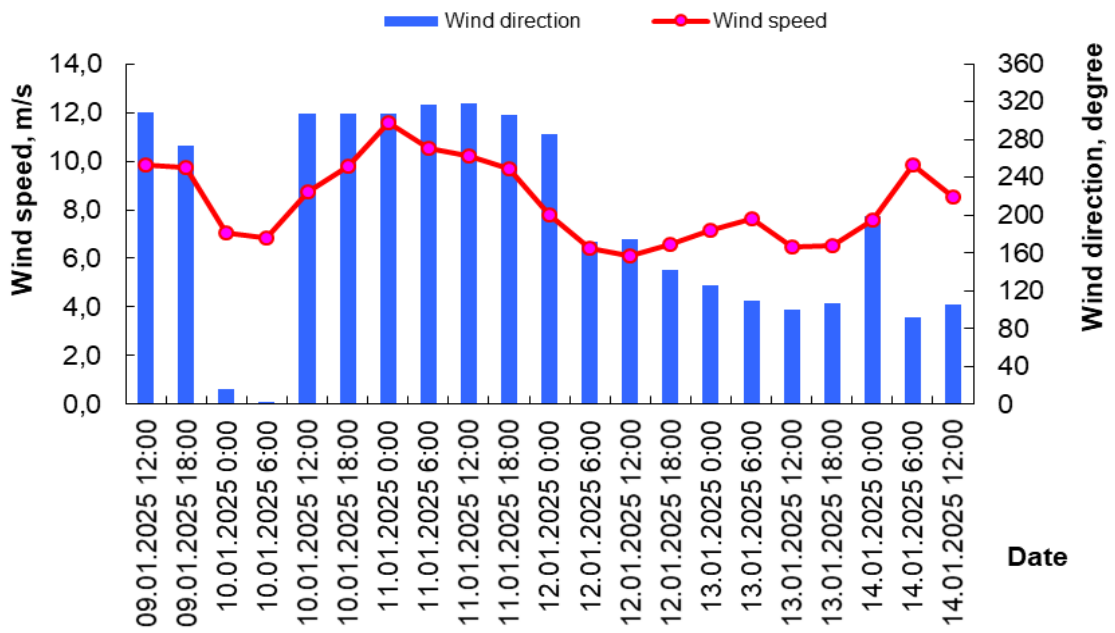


Wave condition in the 21141 unit

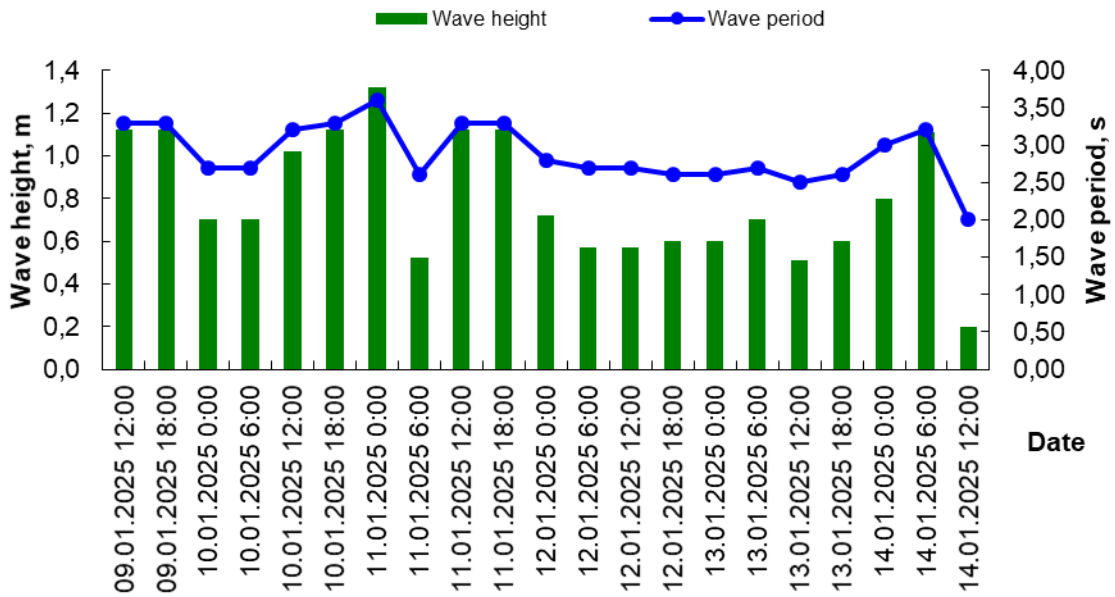


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
09.01.2025 12:00	4	NW	0,20	1,80
09.01.2025 18:00	6	SE	0,56	2,80
10.01.2025 0:00	3	S	0,15	1,00
10.01.2025 6:00	3	N	0,14	1,00
10.01.2025 12:00	10	NW	1,14	3,30
10.01.2025 18:00	10	NW	1,14	3,30
11.01.2025 0:00	7	NW	0,69	2,70
11.01.2025 6:00	12	NW	1,35	3,70
11.01.2025 12:00	11	NW	1,31	3,60
11.01.2025 18:00	5	W	0,32	2,10
12.01.2025 0:00	8	SE	0,75	2,90
12.01.2025 6:00	9	SE	1,05	3,40
12.01.2025 12:00	9	SE	1,05	3,40
12.01.2025 18:00	6	SE	0,56	2,80
13.01.2025 0:00	4	E	0,20	1,70
13.01.2025 6:00	8	SE	0,75	2,90
13.01.2025 12:00	5	E	0,31	2,00
13.01.2025 18:00	5	E	0,31	2,00
14.01.2025 0:00	9	S	1,10	3,50
14.01.2025 6:00	10	E	1,13	3,20
14.01.2025 12:00	8	SE	0,75	2,90

Wind condition in the 21142 unit

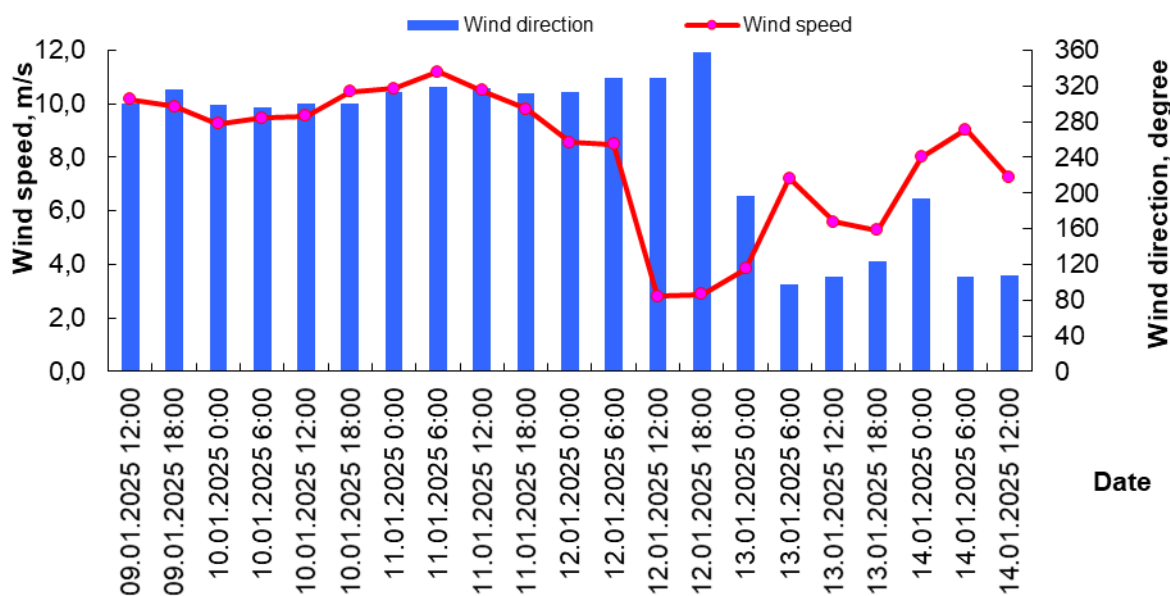


Wave condition in the 21142 unit

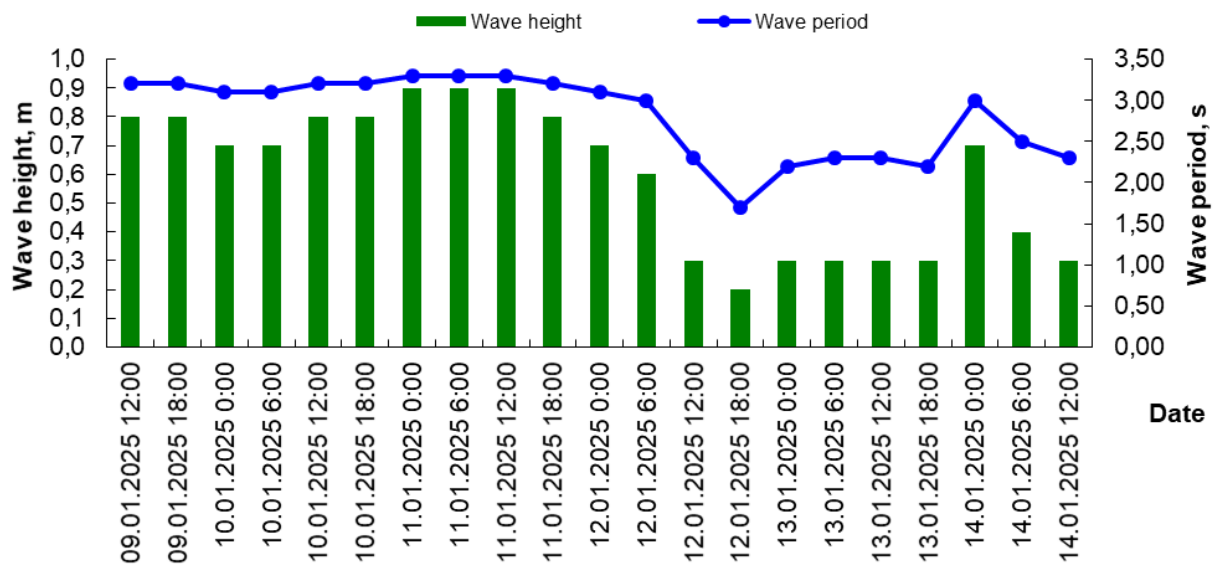


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
09.01.2025 12:00	10	NW	1,12	3,30
09.01.2025 18:00	10	W	1,12	3,30
10.01.2025 0:00	7	N	0,70	2,70
10.01.2025 6:00	7	N	0,70	2,70
10.01.2025 12:00	9	NW	1,02	3,20
10.01.2025 18:00	10	NW	1,12	3,30
11.01.2025 0:00	12	NW	1,32	3,60
11.01.2025 6:00	11	NW	0,52	2,60
11.01.2025 12:00	10	NW	1,12	3,30
11.01.2025 18:00	10	NW	1,12	3,30
12.01.2025 0:00	8	W	0,72	2,80
12.01.2025 6:00	6	S	0,57	2,70
12.01.2025 12:00	6	S	0,57	2,70
12.01.2025 18:00	7	SE	0,60	2,60
13.01.2025 0:00	7	SE	0,60	2,60
13.01.2025 6:00	8	E	0,70	2,70
13.01.2025 12:00	6	E	0,51	2,50
13.01.2025 18:00	7	E	0,60	2,60
14.01.2025 0:00	8	S	0,80	3,00
14.01.2025 6:00	10	E	1,11	3,20
14.01.2025 12:00	9	E	0,20	2,00

Wind condition in the Bautino Bay

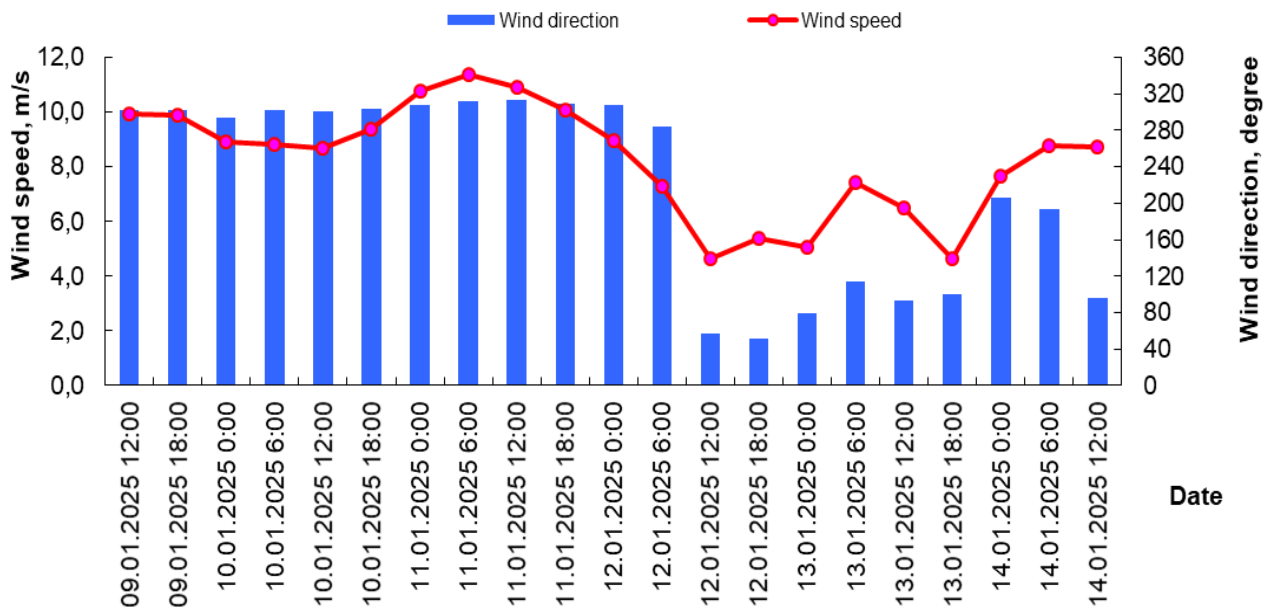


Wave condition in the Bautino Bay

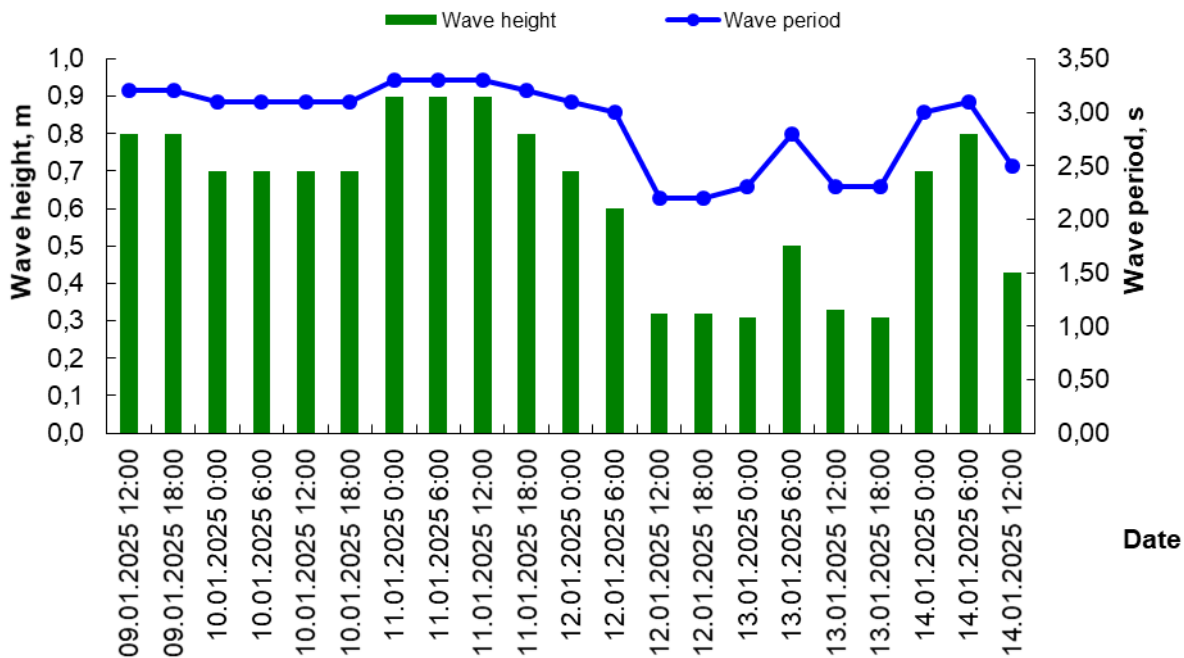


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
09.01.2025 12:00	10	NW	0,80	3,20
09.01.2025 18:00	10	NW	0,80	3,20
10.01.2025 0:00	9	NW	0,70	3,10
10.01.2025 6:00	9	NW	0,70	3,10
10.01.2025 12:00	10	NW	0,80	3,20
10.01.2025 18:00	10	NW	0,80	3,20
11.01.2025 0:00	11	NW	0,90	3,30
11.01.2025 6:00	11	NW	0,90	3,30
11.01.2025 12:00	11	NW	0,90	3,30
11.01.2025 18:00	10	NW	0,80	3,20
12.01.2025 0:00	9	NW	0,70	3,10
12.01.2025 6:00	8	NW	0,60	3,00
12.01.2025 12:00	3	NW	0,30	2,30
12.01.2025 18:00	3	N	0,20	1,70
13.01.2025 0:00	4	S	0,30	2,20
13.01.2025 6:00	7	E	0,30	2,30
13.01.2025 12:00	6	E	0,30	2,30
13.01.2025 18:00	5	SE	0,30	2,20
14.01.2025 0:00	8	S	0,70	3,00
14.01.2025 6:00	9	E	0,40	2,50
14.01.2025 12:00	7	E	0,30	2,30

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
09.01.2025 12:00	10	NW	0,80	3,20
09.01.2025 18:00	10	NW	0,80	3,20
10.01.2025 0:00	9	NW	0,70	3,10
10.01.2025 6:00	9	NW	0,70	3,10
10.01.2025 12:00	9	NW	0,70	3,10
10.01.2025 18:00	9	NW	0,70	3,10
11.01.2025 0:00	11	NW	0,90	3,30
11.01.2025 6:00	11	NW	0,90	3,30
11.01.2025 12:00	11	NW	0,90	3,30
11.01.2025 18:00	10	NW	0,80	3,20
12.01.2025 0:00	9	NW	0,70	3,10
12.01.2025 6:00	7	W	0,60	3,00
12.01.2025 12:00	5	NE	0,32	2,20
12.01.2025 18:00	5	NE	0,32	2,20
13.01.2025 0:00	5	E	0,31	2,30
13.01.2025 6:00	7	SE	0,50	2,80
13.01.2025 12:00	6	E	0,33	2,30
13.01.2025 18:00	5	E	0,31	2,30
14.01.2025 0:00	8	SW	0,70	3,00
14.01.2025 6:00	9	S	0,80	3,10
14.01.2025 12:00	9	E	0,43	2,50

Made by: Kurmangalieva A.K.

Checked by: Shishkina G.