

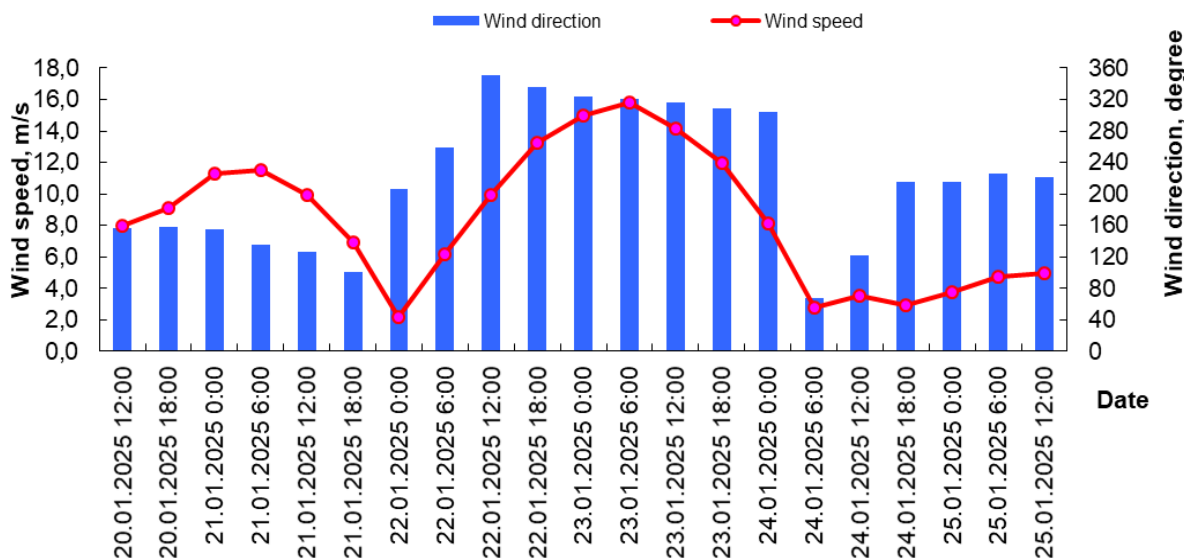


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

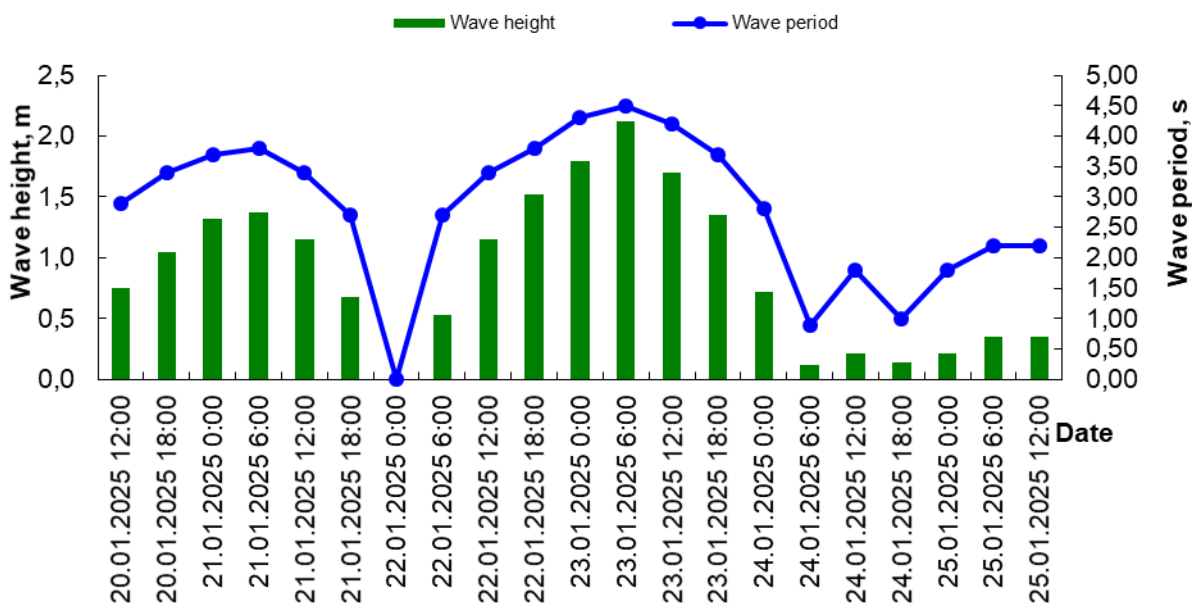
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period January 20 – 25, 2025**

Wind condition in the 21050 unit

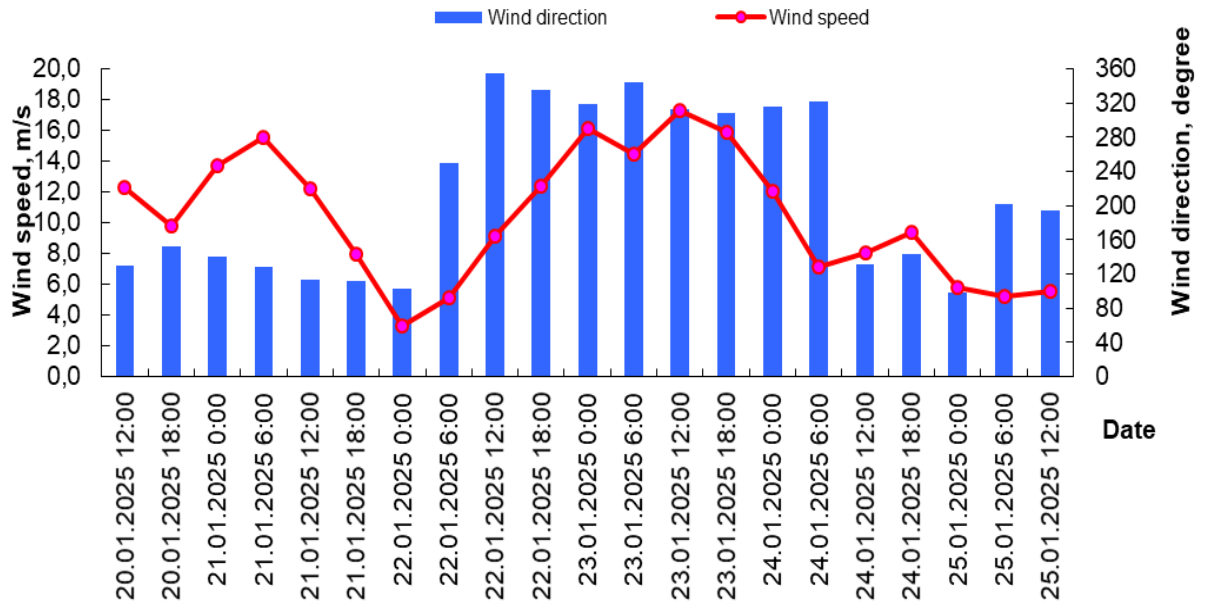


Wave condition in the 21050 unit

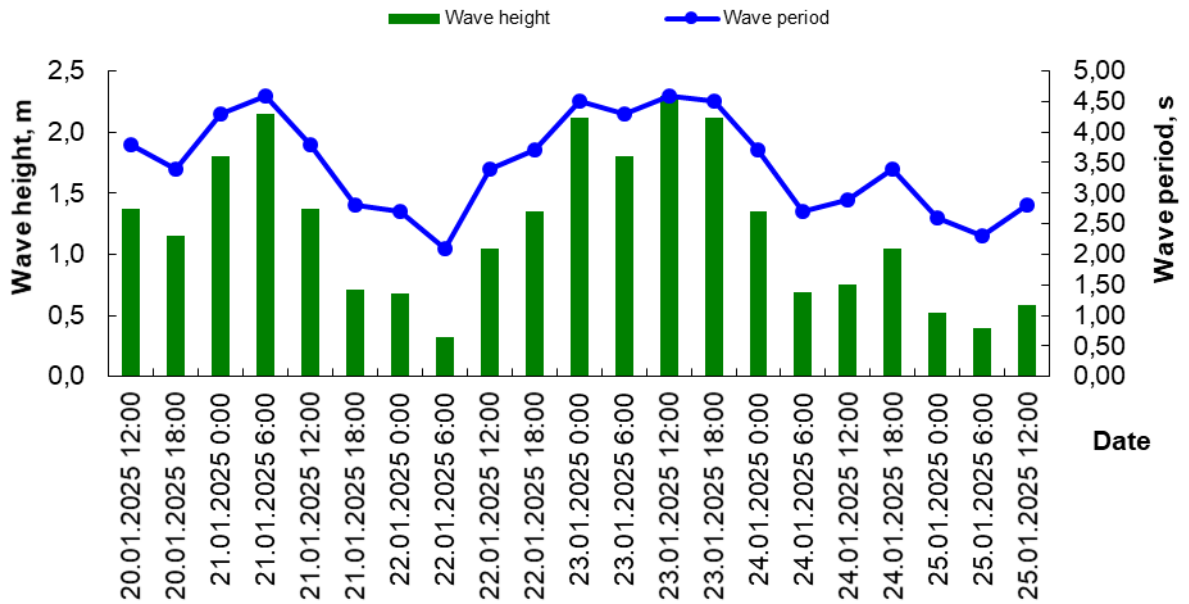


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
20.01.2025 12:00	8	SE	0,75	2,90
20.01.2025 18:00	9	SE	1,05	3,40
21.01.2025 0:00	11	SE	1,32	3,70
21.01.2025 6:00	12	SE	1,37	3,80
21.01.2025 12:00	10	SE	1,15	3,40
21.01.2025 18:00	7	E	0,68	2,70
22.01.2025 0:00	2	E	0,00	0,00
22.01.2025 6:00	6	W	0,53	2,70
22.01.2025 12:00	10	N	1,15	3,40
22.01.2025 18:00	13	NW	1,52	3,80
23.01.2025 0:00	15	NW	1,80	4,30
23.01.2025 6:00	16	N	2,12	4,50
23.01.2025 12:00	14	NW	1,70	4,20
23.01.2025 18:00	12	NW	1,35	3,70
24.01.2025 0:00	8	NW	0,72	2,80
24.01.2025 6:00	3	NW	0,12	0,90
24.01.2025 12:00	4	SE	0,21	1,80
24.01.2025 18:00	3	SE	0,14	1,00
25.01.2025 0:00	4	E	0,21	1,80
25.01.2025 6:00	5	S	0,35	2,20
25.01.2025 12:00	5	S	0,35	2,20

Wind condition in the 21141 unit

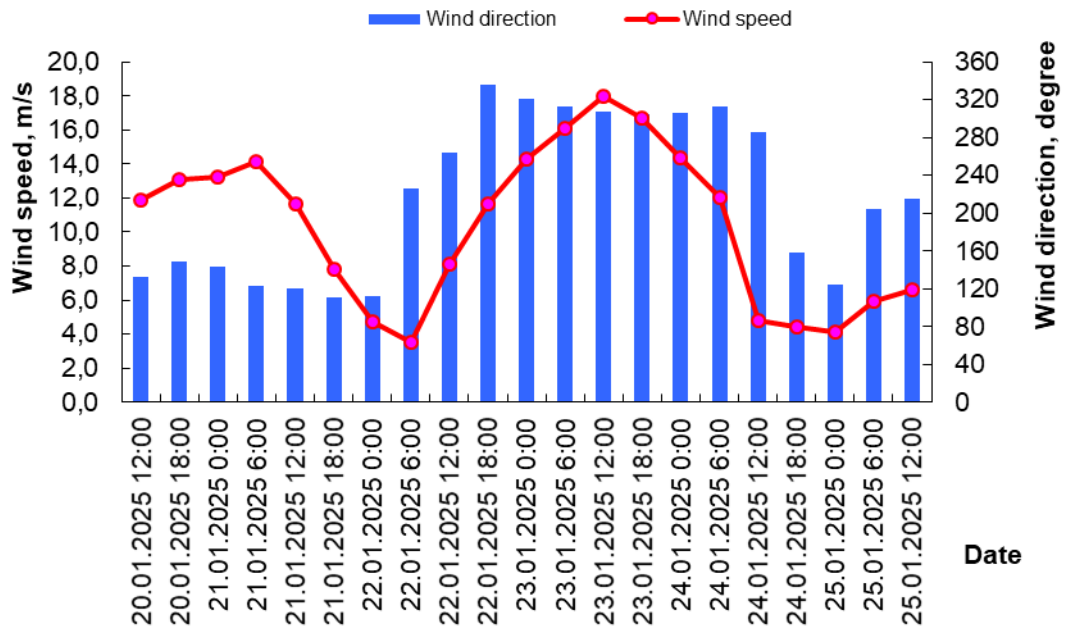


Wave condition in the 21141 unit

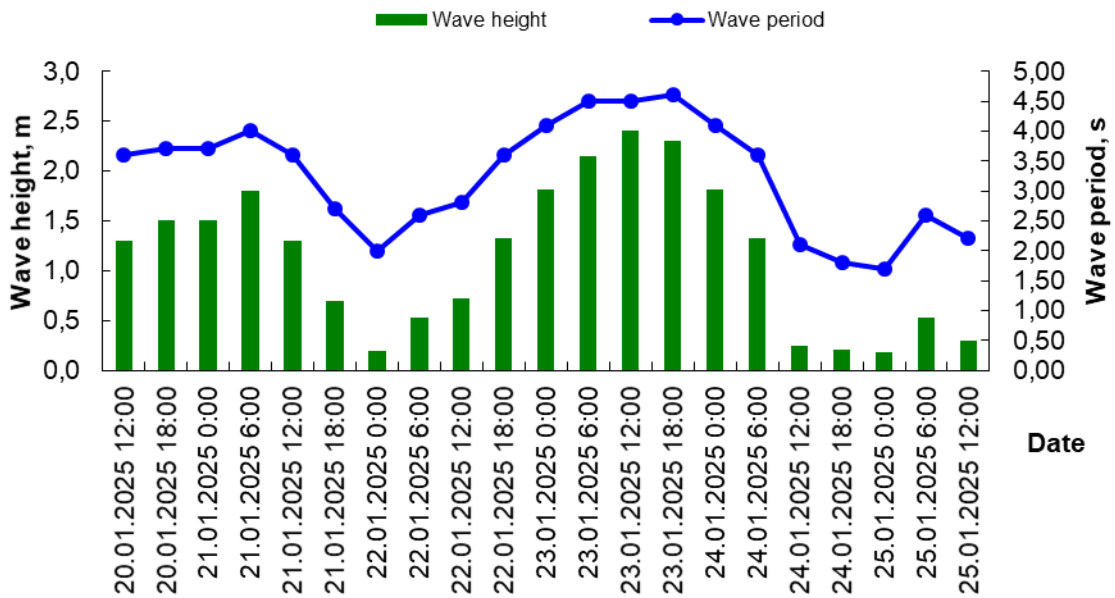


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
20.01.2025 12:00	12	SE	1,37	3,80
20.01.2025 18:00	10	SE	1,15	3,40
21.01.2025 0:00	14	SE	1,80	4,30
21.01.2025 6:00	16	SE	2,15	4,60
21.01.2025 12:00	12	SE	1,37	3,80
21.01.2025 18:00	8	E	0,71	2,80
22.01.2025 0:00	7	E	0,68	2,70
22.01.2025 6:00	5	W	0,32	2,10
22.01.2025 12:00	9	N	1,05	3,40
22.01.2025 18:00	12	NW	1,35	3,70
23.01.2025 0:00	16	NW	2,12	4,50
23.01.2025 6:00	14	N	1,80	4,30
23.01.2025 12:00	17	NW	2,30	4,60
23.01.2025 18:00	16	NW	2,12	4,50
24.01.2025 0:00	12	NW	1,35	3,70
24.01.2025 6:00	7	NW	0,69	2,70
24.01.2025 12:00	8	SE	0,75	2,90
24.01.2025 18:00	9	SE	1,05	3,40
25.01.2025 0:00	6	E	0,52	2,60
25.01.2025 6:00	5	S	0,40	2,30
25.01.2025 12:00	6	S	0,58	2,80

Wind condition in the 21142 unit

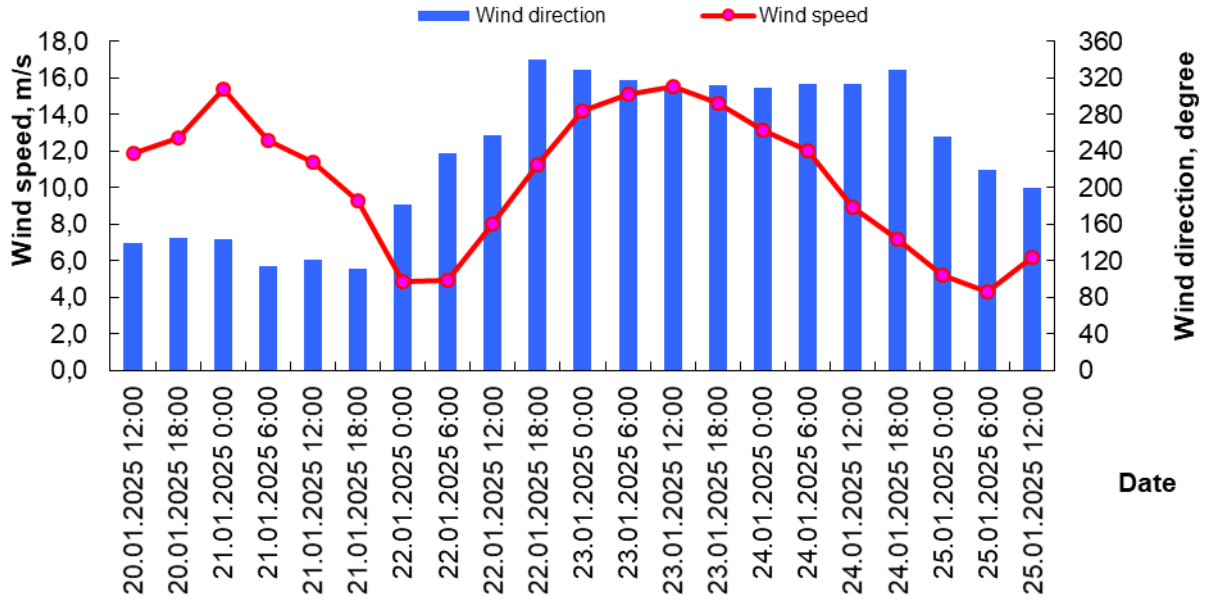


Wave condition in the 21142 unit

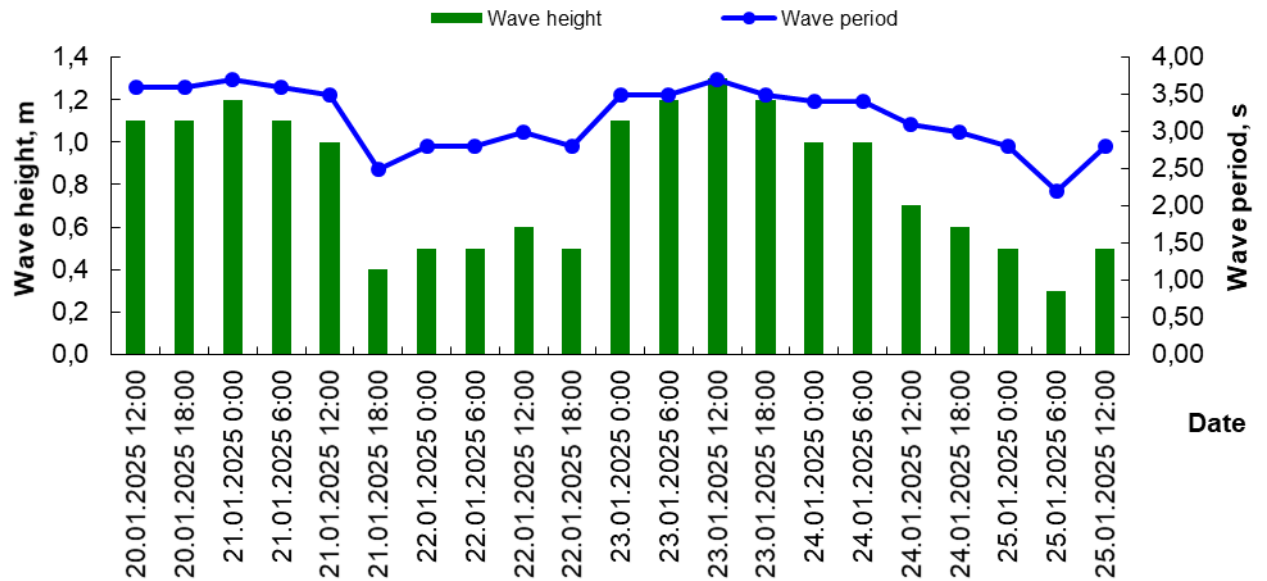


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
20.01.2025 12:00	12	SE	1,30	3,60
20.01.2025 18:00	13	SE	1,50	3,70
21.01.2025 0:00	13	SE	1,50	3,70
21.01.2025 6:00	14	SE	1,80	4,00
21.01.2025 12:00	12	SE	1,30	3,60
21.01.2025 18:00	8	E	0,70	2,70
22.01.2025 0:00	5	SE	0,20	2,00
22.01.2025 6:00	3	SW	0,53	2,60
22.01.2025 12:00	8	W	0,72	2,80
22.01.2025 18:00	12	NW	1,32	3,60
23.01.2025 0:00	14	NW	1,82	4,10
23.01.2025 6:00	16	NW	2,15	4,50
23.01.2025 12:00	18	NW	2,40	4,50
23.01.2025 18:00	17	NW	2,30	4,60
24.01.2025 0:00	14	NW	1,82	4,10
24.01.2025 6:00	12	NW	1,32	3,60
24.01.2025 12:00	5	W	0,25	2,10
24.01.2025 18:00	4	S	0,21	1,80
25.01.2025 0:00	4	SE	0,18	1,70
25.01.2025 6:00	6	SW	0,53	2,60
25.01.2025 12:00	7	SW	0,30	2,20

Wind condition in the Bautino Bay

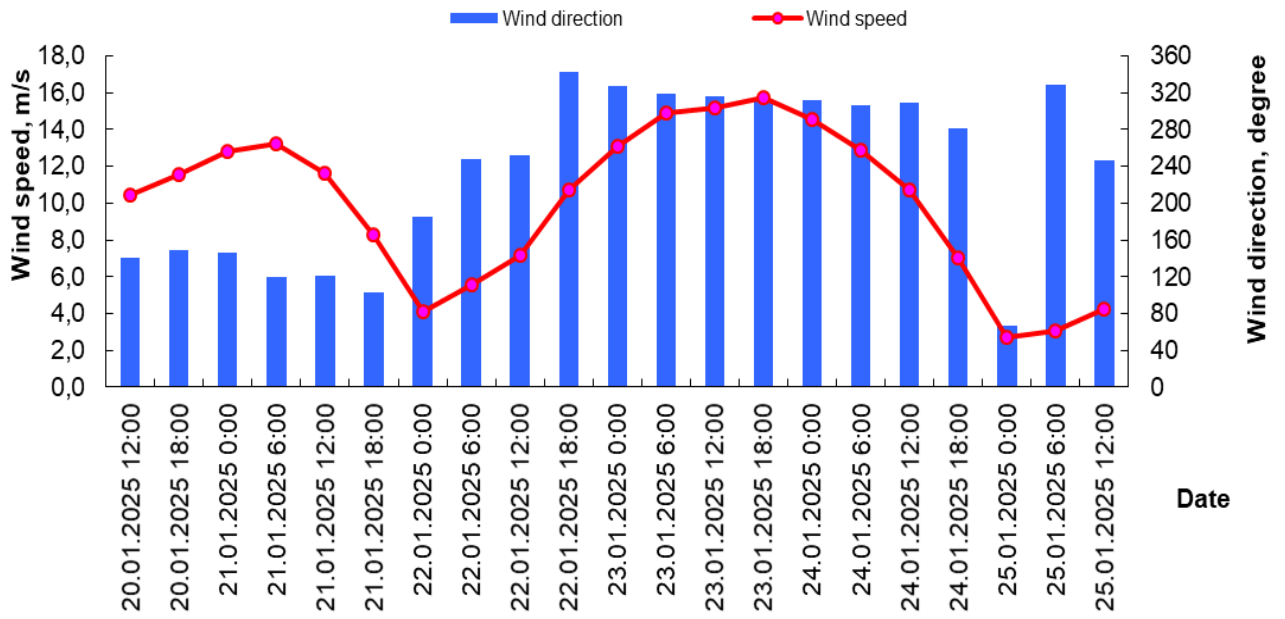


Wave condition in the Bautino Bay

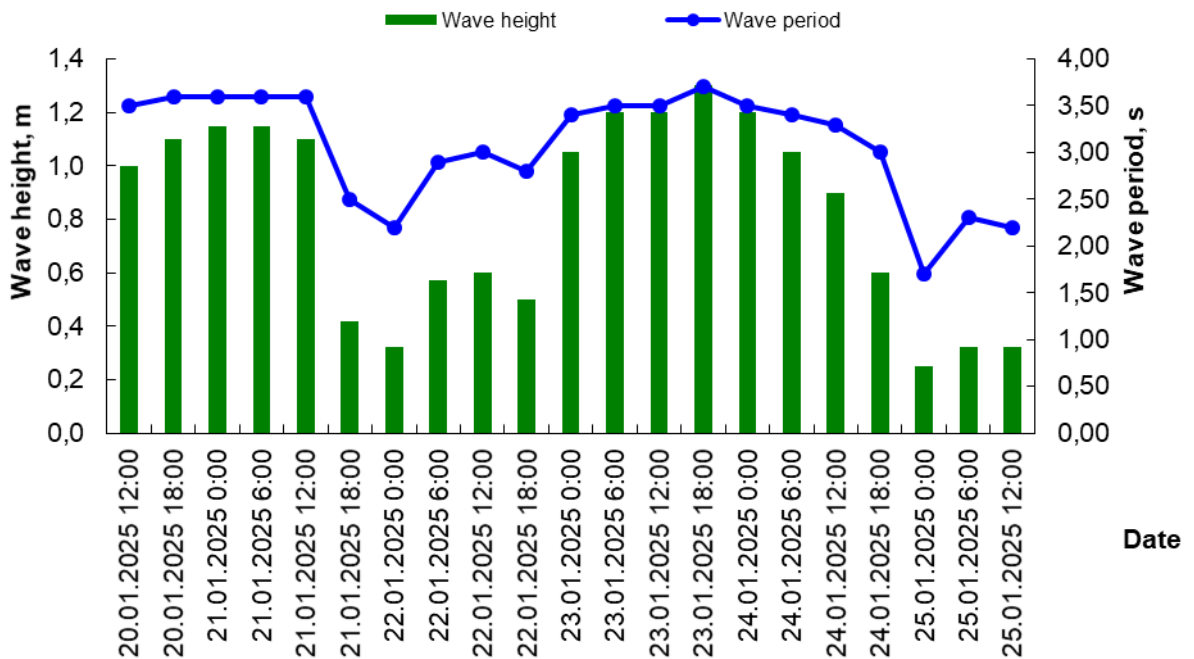


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
20.01.2025 12:00	12	SE	1,10	3,60
20.01.2025 18:00	13	SE	1,10	3,60
21.01.2025 0:00	15	SE	1,20	3,70
21.01.2025 6:00	13	SE	1,10	3,60
21.01.2025 12:00	11	SE	1,00	3,50
21.01.2025 18:00	9	E	0,40	2,50
22.01.2025 0:00	5	S	0,50	2,80
22.01.2025 6:00	5	SW	0,50	2,80
22.01.2025 12:00	8	W	0,60	3,00
22.01.2025 18:00	11	N	0,50	2,80
23.01.2025 0:00	14	NW	1,10	3,50
23.01.2025 6:00	15	NW	1,20	3,50
23.01.2025 12:00	16	NW	1,30	3,70
23.01.2025 18:00	15	NW	1,20	3,50
24.01.2025 0:00	13	NW	1,00	3,40
24.01.2025 6:00	12	NW	1,00	3,40
24.01.2025 12:00	9	NW	0,70	3,10
24.01.2025 18:00	7	NW	0,60	3,00
25.01.2025 0:00	5	W	0,50	2,80
25.01.2025 6:00	4	SW	0,30	2,20
25.01.2025 12:00	6	S	0,50	2,80

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 (τ)	
	WS, m/s	WD, rumb	H, m	t, s
20.01.2025 12:00	10	SE	1,00	3,50
20.01.2025 18:00	12	SE	1,10	3,60
21.01.2025 0:00	13	SE	1,15	3,60
21.01.2025 6:00	13	SE	1,15	3,60
21.01.2025 12:00	12	SE	1,10	3,60
21.01.2025 18:00	8	E	0,42	2,50
22.01.2025 0:00	4	S	0,32	2,20
22.01.2025 6:00	6	W	0,57	2,90
22.01.2025 12:00	7	W	0,60	3,00
22.01.2025 18:00	11	N	0,50	2,80
23.01.2025 0:00	13	NW	1,05	3,40
23.01.2025 6:00	15	NW	1,20	3,50
23.01.2025 12:00	15	NW	1,20	3,50
23.01.2025 18:00	16	NW	1,30	3,70
24.01.2025 0:00	15	NW	1,20	3,50
24.01.2025 6:00	13	NW	1,05	3,40
24.01.2025 12:00	11	NW	0,90	3,30
24.01.2025 18:00	7	W	0,60	3,00
25.01.2025 0:00	3	NE	0,25	1,70
25.01.2025 6:00	3	NW	0,32	2,30
25.01.2025 12:00	4	SW	0,32	2,20

Made by: Kurmangalieva A.K.

Checked by: Shishkina G.