

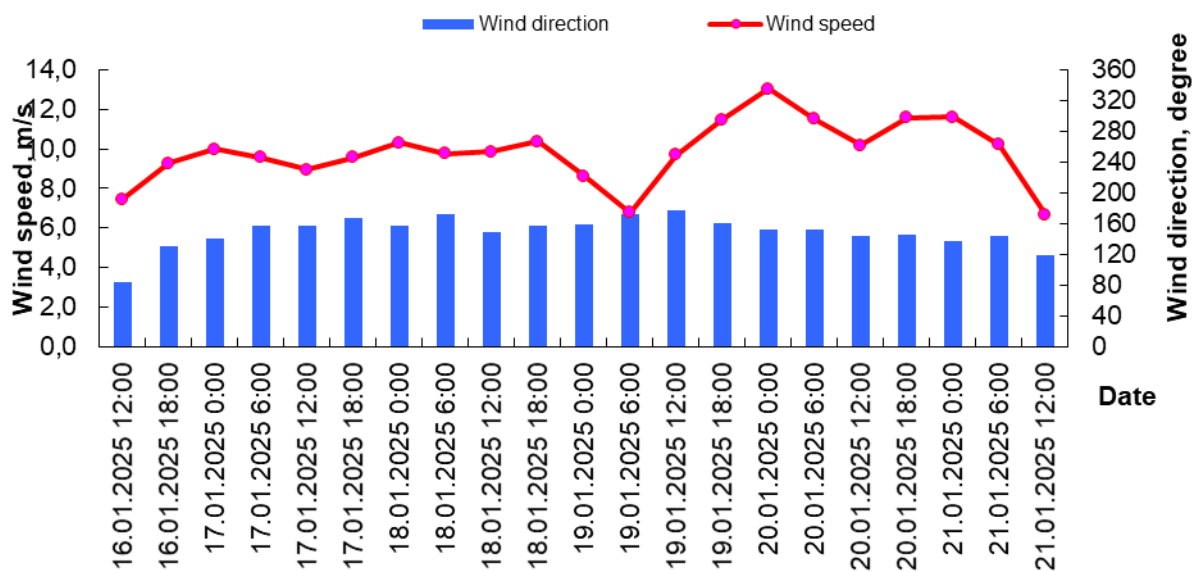


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

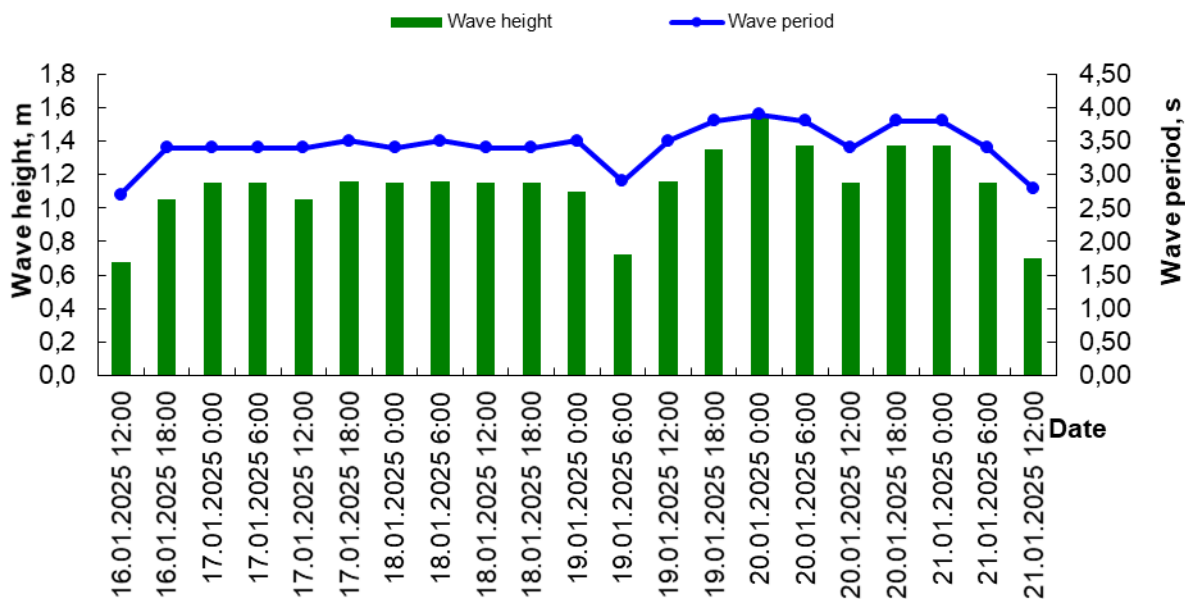
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period January 16 – 21, 2025**

Wind condition in the 21050 unit

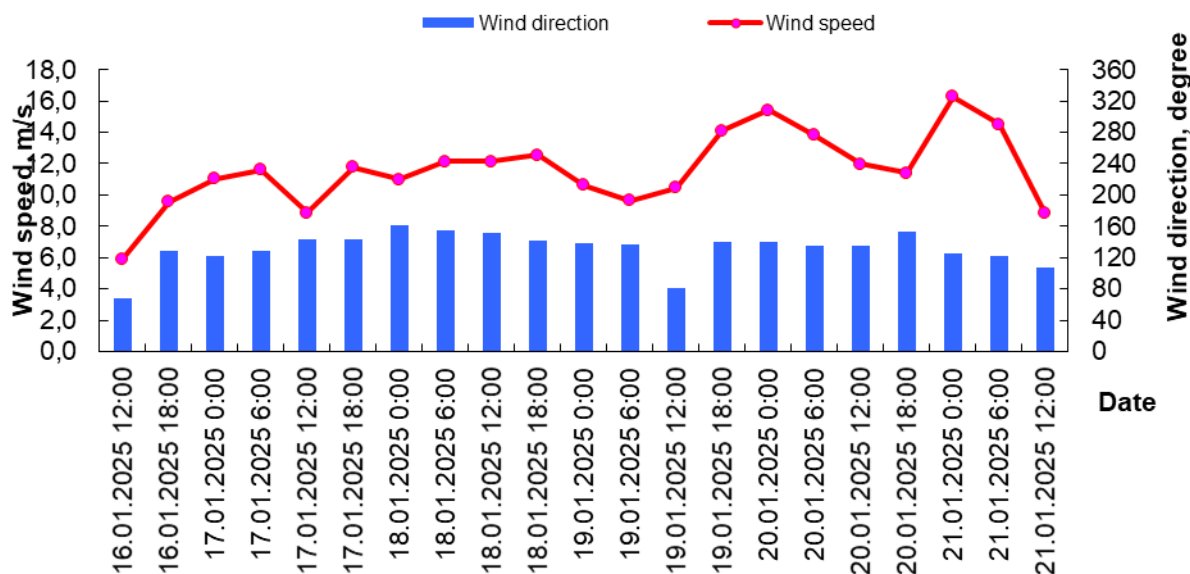


Wave condition in the 21050 unit

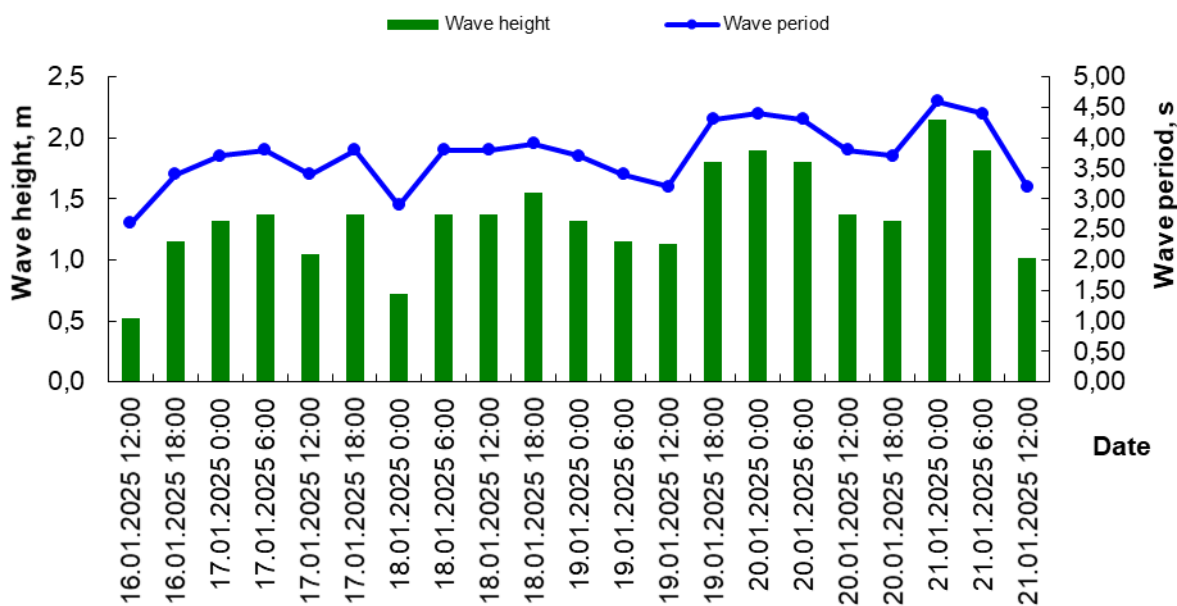


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
16.01.2025 12:00	7	E	0,68	2,70
16.01.2025 18:00	9	SE	1,05	3,40
17.01.2025 0:00	10	SE	1,15	3,40
17.01.2025 6:00	10	SE	1,15	3,40
17.01.2025 12:00	9	SE	1,05	3,40
17.01.2025 18:00	10	SE	1,16	3,50
18.01.2025 0:00	10	S	1,15	3,40
18.01.2025 6:00	10	SE	1,16	3,50
18.01.2025 12:00	10	SE	1,15	3,40
18.01.2025 18:00	10	SE	1,15	3,40
19.01.2025 0:00	9	SE	1,10	3,50
19.01.2025 6:00	7	SE	0,72	2,90
19.01.2025 12:00	10	E	1,16	3,50
19.01.2025 18:00	11	SE	1,35	3,80
20.01.2025 0:00	13	SE	1,55	3,90
20.01.2025 6:00	12	SE	1,37	3,80
20.01.2025 12:00	10	SE	1,15	3,40
20.01.2025 18:00	12	SE	1,37	3,80
21.01.2025 0:00	12	SE	1,37	3,80
21.01.2025 6:00	10	SE	1,15	3,40
21.01.2025 12:00	7	E	0,70	2,80

Wind condition in the 21141 unit

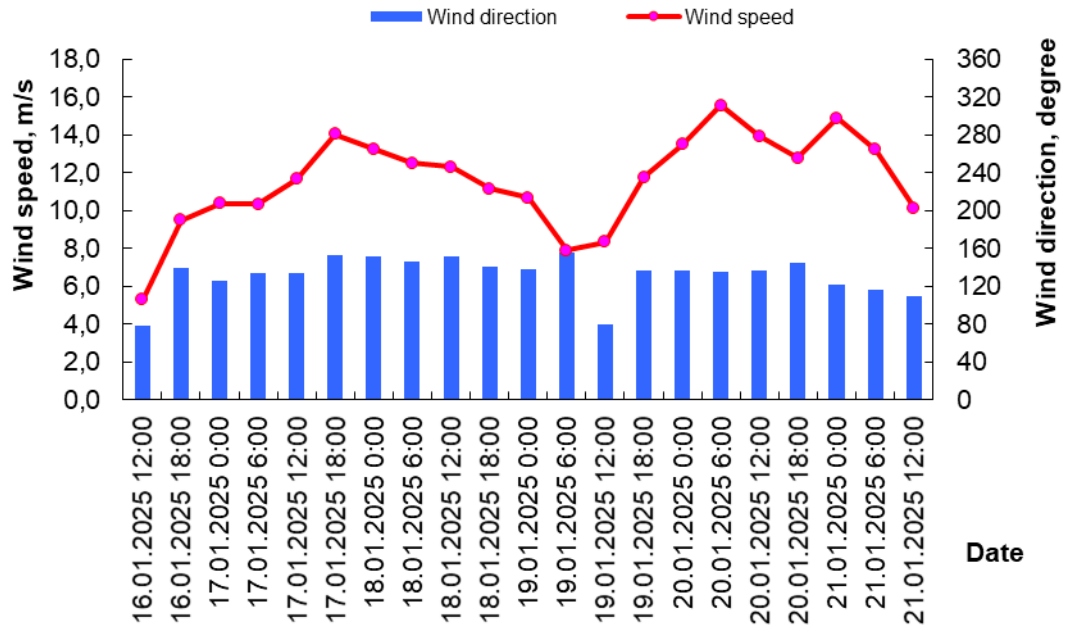


Wave condition in the 21141 unit

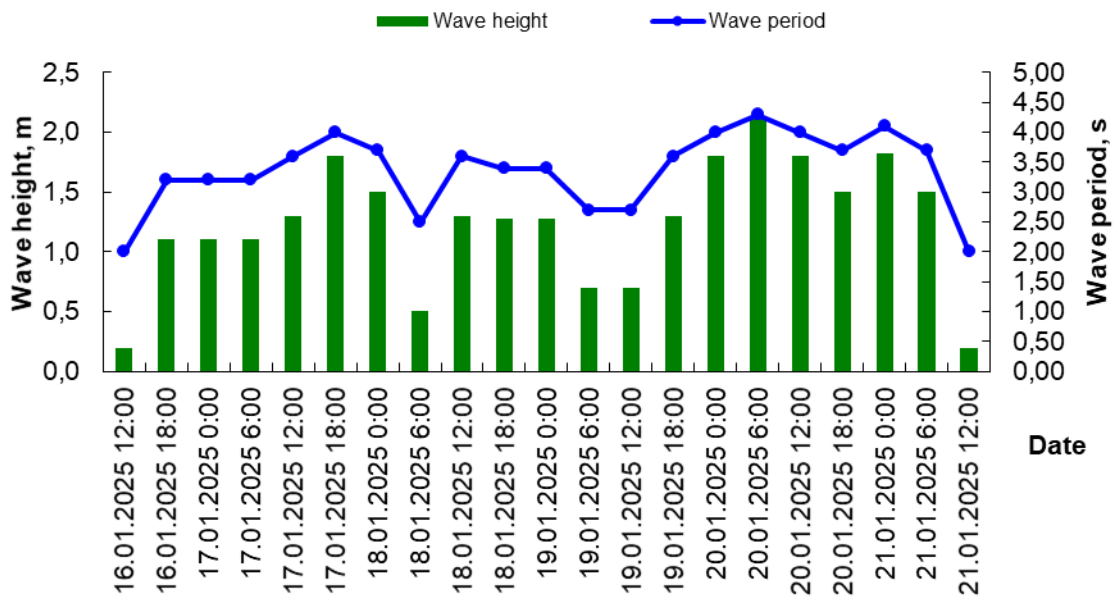


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
16.01.2025 12:00	6	E	0,52	2,60
16.01.2025 18:00	10	SE	1,15	3,40
17.01.2025 0:00	11	SE	1,32	3,70
17.01.2025 6:00	12	SE	1,37	3,80
17.01.2025 12:00	9	SE	1,05	3,40
17.01.2025 18:00	12	SE	1,37	3,80
18.01.2025 0:00	7	S	0,72	2,90
18.01.2025 6:00	12	SE	1,37	3,80
18.01.2025 12:00	12	SE	1,37	3,80
18.01.2025 18:00	13	SE	1,55	3,90
19.01.2025 0:00	11	SE	1,32	3,70
19.01.2025 6:00	10	SE	1,15	3,40
19.01.2025 12:00	10	E	1,13	3,20
19.01.2025 18:00	14	SE	1,80	4,30
20.01.2025 0:00	15	SE	1,90	4,40
20.01.2025 6:00	14	SE	1,80	4,30
20.01.2025 12:00	12	SE	1,37	3,80
20.01.2025 18:00	11	SE	1,32	3,70
21.01.2025 0:00	16	SE	2,15	4,60
21.01.2025 6:00	15	SE	1,90	4,40
21.01.2025 12:00	9	E	1,01	3,20

Wind condition in the 21142 unit

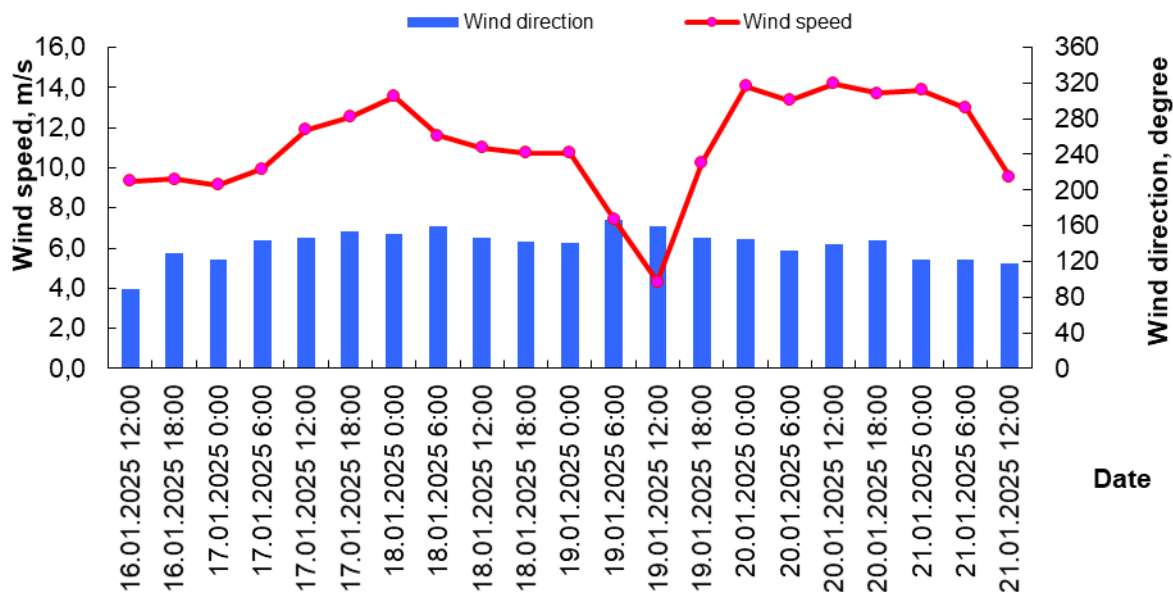


Wave condition in the 21142 unit

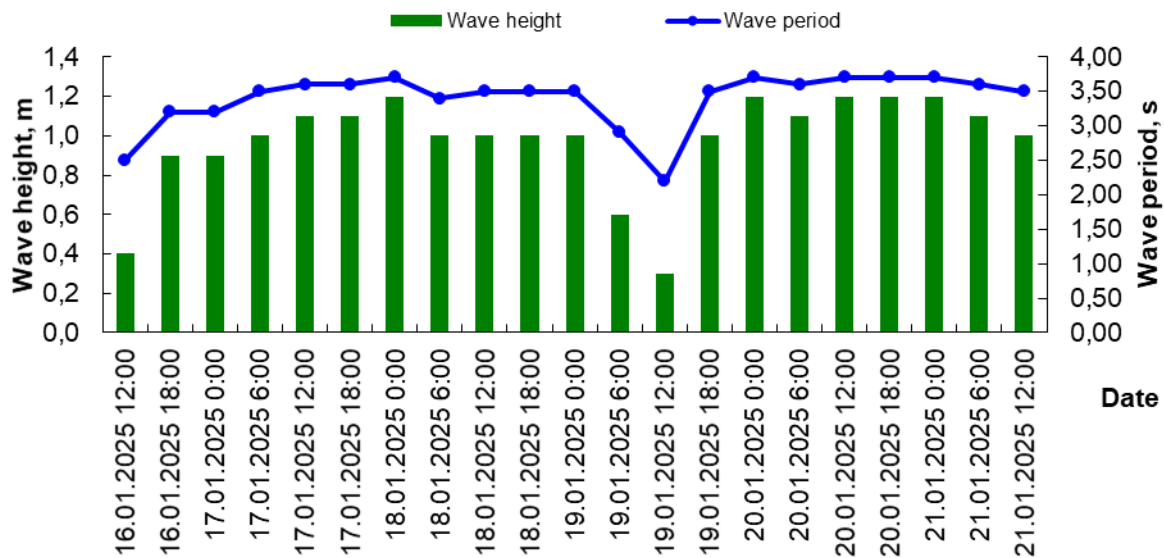


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
16.01.2025 12:00	5	E	0,20	2,00
16.01.2025 18:00	10	SE	1,11	3,20
17.01.2025 0:00	10	SE	1,11	3,20
17.01.2025 6:00	10	SE	1,11	3,20
17.01.2025 12:00	12	SE	1,30	3,60
17.01.2025 18:00	14	SE	1,80	4,00
18.01.2025 0:00	13	SE	1,50	3,70
18.01.2025 6:00	13	SE	0,51	2,50
18.01.2025 12:00	12	SE	1,30	3,60
18.01.2025 18:00	11	SE	1,28	3,40
19.01.2025 0:00	11	SE	1,28	3,40
19.01.2025 6:00	8	SE	0,70	2,70
19.01.2025 12:00	8	E	0,70	2,70
19.01.2025 18:00	12	SE	1,30	3,60
20.01.2025 0:00	14	SE	1,80	4,00
20.01.2025 6:00	16	SE	2,12	4,30
20.01.2025 12:00	14	SE	1,80	4,00
20.01.2025 18:00	13	SE	1,50	3,70
21.01.2025 0:00	15	SE	1,82	4,10
21.01.2025 6:00	13	SE	1,50	3,70
21.01.2025 12:00	10	E	0,20	2,00

Wind condition in the Bautino Bay

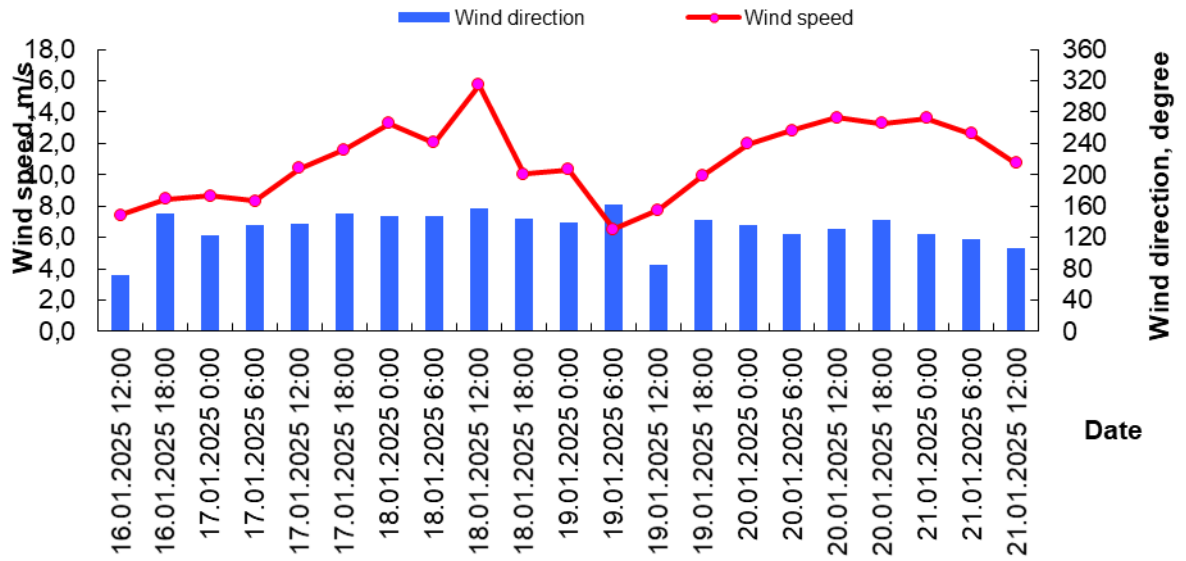


Wave condition in the Bautino Bay

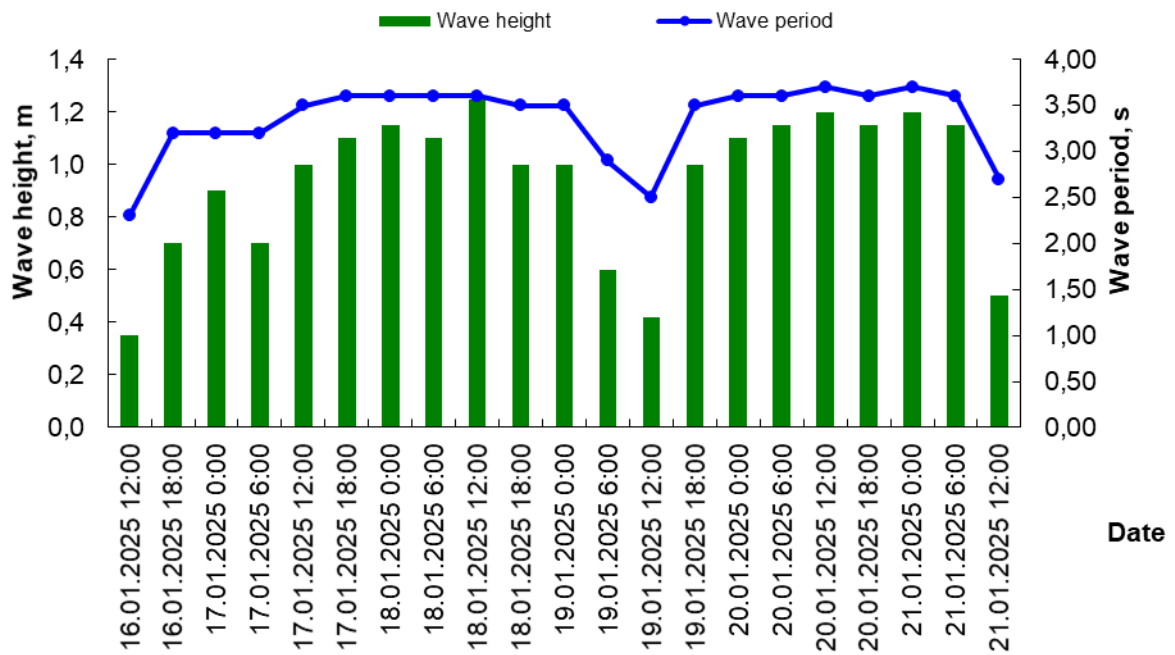


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
16.01.2025 12:00	9	E	0,40	2,50
16.01.2025 18:00	9	SE	0,90	3,20
17.01.2025 0:00	9	SE	0,90	3,20
17.01.2025 6:00	10	SE	1,00	3,50
17.01.2025 12:00	12	SE	1,10	3,60
17.01.2025 18:00	13	SE	1,10	3,60
18.01.2025 0:00	14	SE	1,20	3,70
18.01.2025 6:00	12	S	1,00	3,40
18.01.2025 12:00	11	SE	1,00	3,50
18.01.2025 18:00	11	SE	1,00	3,50
19.01.2025 0:00	11	SE	1,00	3,50
19.01.2025 6:00	7	S	0,60	2,90
19.01.2025 12:00	4	S	0,30	2,20
19.01.2025 18:00	10	SE	1,00	3,50
20.01.2025 0:00	14	SE	1,20	3,70
20.01.2025 6:00	13	SE	1,10	3,60
20.01.2025 12:00	14	SE	1,20	3,70
20.01.2025 18:00	14	SE	1,20	3,70
21.01.2025 0:00	14	SE	1,20	3,70
21.01.2025 6:00	13	SE	1,10	3,60
21.01.2025 12:00	10	SE	1,00	3,50

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
16.01.2025 12:00	7	E	0,35	2,30
16.01.2025 18:00	8	SE	0,70	3,20
17.01.2025 0:00	9	SE	0,90	3,20
17.01.2025 6:00	8	SE	0,70	3,20
17.01.2025 12:00	10	SE	1,00	3,50
17.01.2025 18:00	12	SE	1,10	3,60
18.01.2025 0:00	13	SE	1,15	3,60
18.01.2025 6:00	12	SE	1,10	3,60
18.01.2025 12:00	16	S	1,25	3,60
18.01.2025 18:00	10	SE	1,00	3,50
19.01.2025 0:00	10	SE	1,00	3,50
19.01.2025 6:00	7	S	0,60	2,90
19.01.2025 12:00	8	E	0,42	2,50
19.01.2025 18:00	10	SE	1,00	3,50
20.01.2025 0:00	12	SE	1,10	3,60
20.01.2025 6:00	13	SE	1,15	3,60
20.01.2025 12:00	14	SE	1,20	3,70
20.01.2025 18:00	13	SE	1,15	3,60
21.01.2025 0:00	14	SE	1,20	3,70
21.01.2025 6:00	13	SE	1,15	3,60
21.01.2025 12:00	11	E	0,50	2,70

Made by: Kurmangalieva A.K.

Checked by: Shishkina G.