

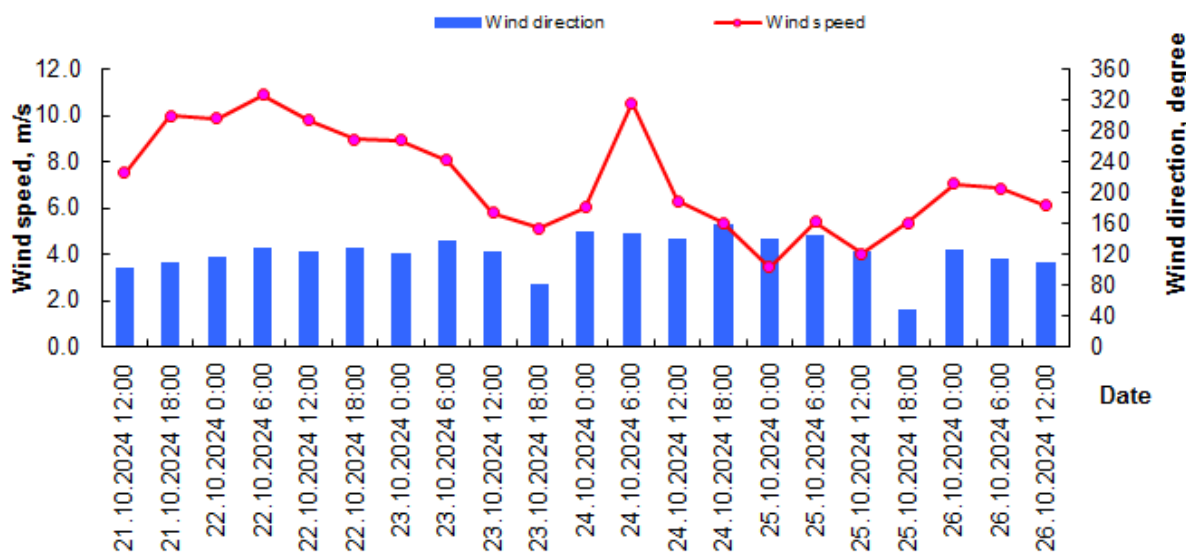


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

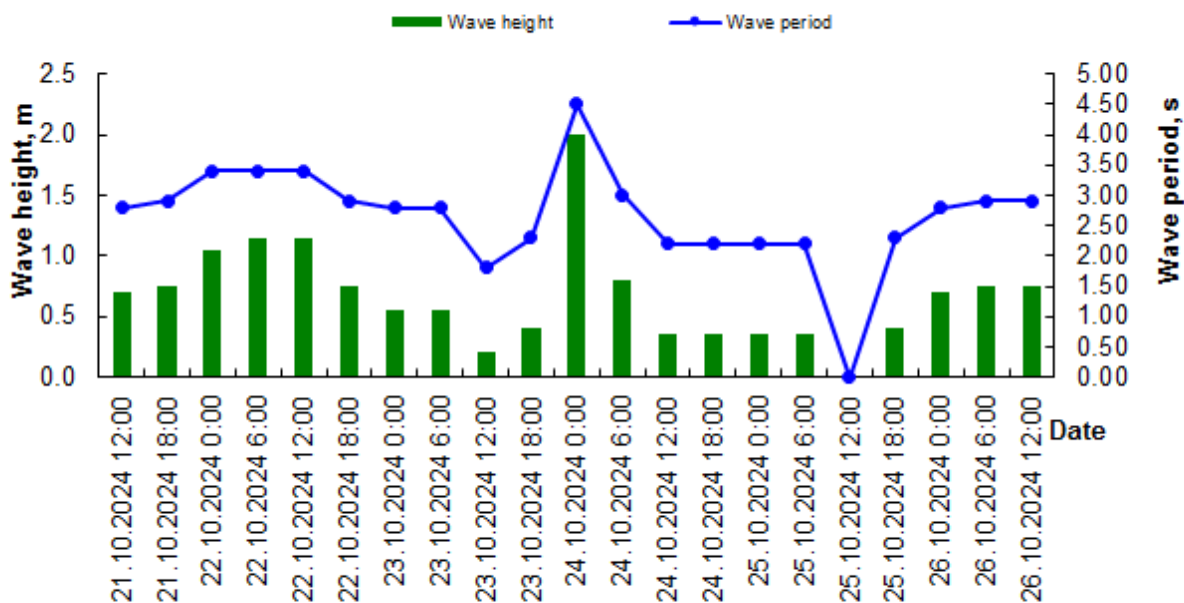
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period October 21-26, 2024**

Wind condition in the 21050 unit

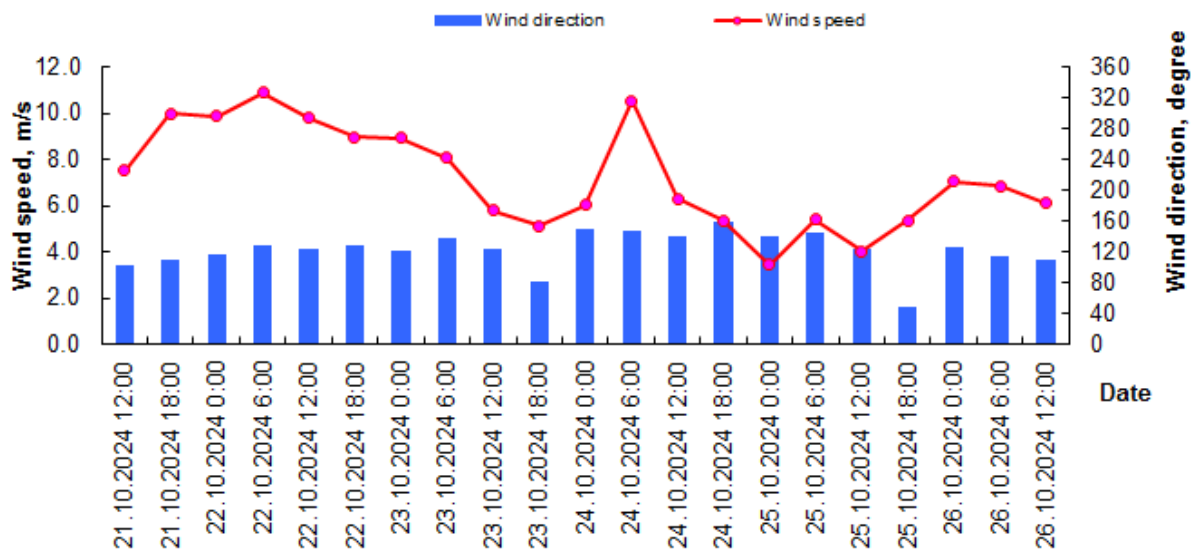


Wave condition in the 21050 unit

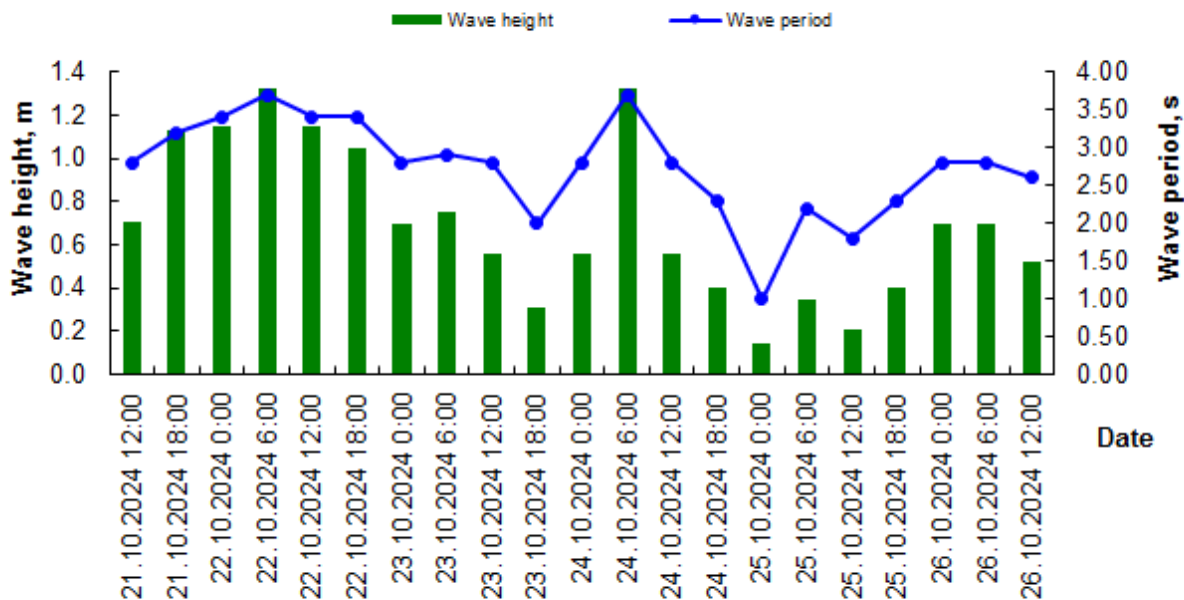


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
21.10.2024 12:00	7	E	0.70	2.80
21.10.2024 18:00	8	E	0.75	2.90
22.10.2024 0:00	9	SE	1.05	3.40
22.10.2024 6:00	10	SE	1.15	3.40
22.10.2024 12:00	10	SE	1.15	3.40
22.10.2024 18:00	8	SE	0.75	2.90
23.10.2024 0:00	6	SE	0.56	2.80
23.10.2024 6:00	6	SE	0.56	2.80
23.10.2024 12:00	4	SE	0.21	1.80
23.10.2024 18:00	5	E	0.40	2.30
24.10.2024 0:00	15	SE	2.00	4.50
24.10.2024 6:00	8	SE	0.80	3.00
24.10.2024 12:00	5	SE	0.35	2.20
24.10.2024 18:00	5	S	0.35	2.20
25.10.2024 0:00	5	SE	0.35	2.20
25.10.2024 6:00	5	SE	0.35	2.20
25.10.2024 12:00	2	SE	0.00	0.00
25.10.2024 18:00	5	NE	0.40	2.30
26.10.2024 0:00	8	SE	0.71	2.80
26.10.2024 6:00	8	SE	0.75	2.90
26.10.2024 12:00	8	E	0.75	2.90

Wind condition in the 21141 unit

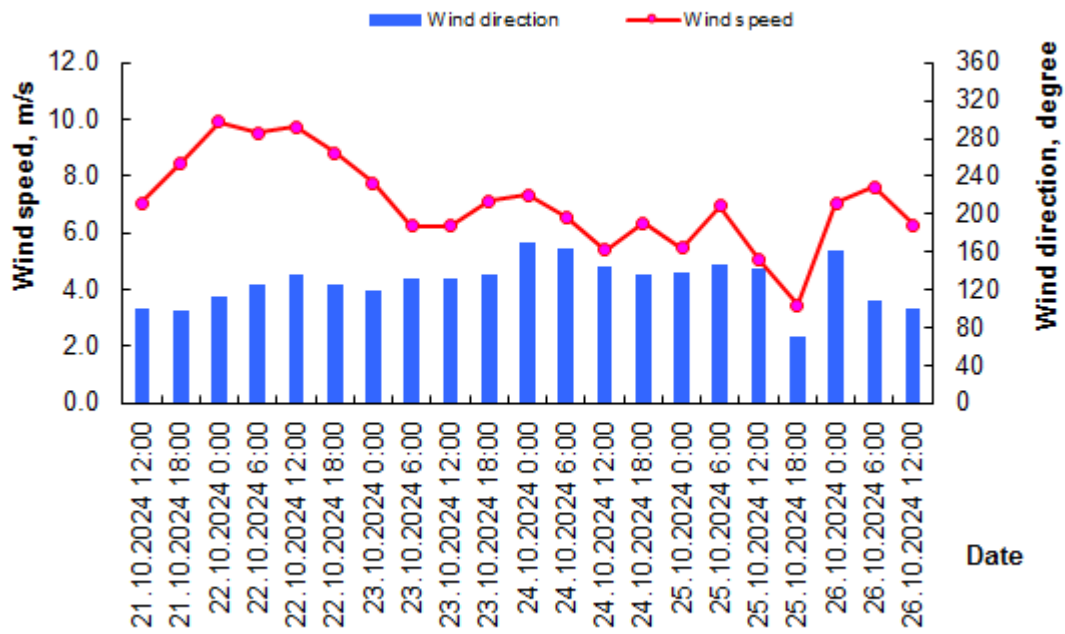


Wave condition in the 21141 unit

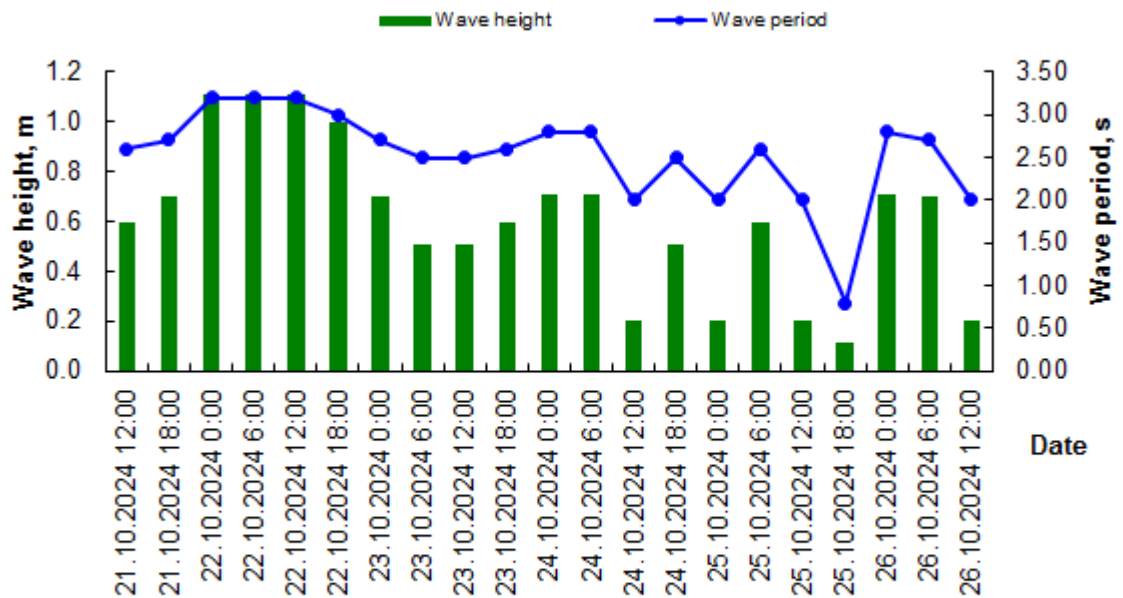


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
21.10.2024 12:00	8	E	0.71	2.80
21.10.2024 18:00	10	E	1.13	3.20
22.10.2024 0:00	10	SE	1.15	3.40
22.10.2024 6:00	11	SE	1.32	3.70
22.10.2024 12:00	10	SE	1.15	3.40
22.10.2024 18:00	9	SE	1.05	3.40
23.10.2024 0:00	7	SE	0.70	2.80
23.10.2024 6:00	8	SE	0.75	2.90
23.10.2024 12:00	6	SE	0.56	2.80
23.10.2024 18:00	5	E	0.31	2.00
24.10.2024 0:00	6	SE	0.56	2.80
24.10.2024 6:00	11	SE	1.32	3.70
24.10.2024 12:00	6	SE	0.56	2.80
24.10.2024 18:00	5	S	0.40	2.30
25.10.2024 0:00	3	SE	0.14	1.00
25.10.2024 6:00	5	SE	0.35	2.20
25.10.2024 12:00	4	SE	0.21	1.80
25.10.2024 18:00	5	NE	0.40	2.30
26.10.2024 0:00	7	SE	0.70	2.80
26.10.2024 6:00	7	SE	0.70	2.80
26.10.2024 12:00	6	E	0.52	2.60

Wind condition in the 21142 unit

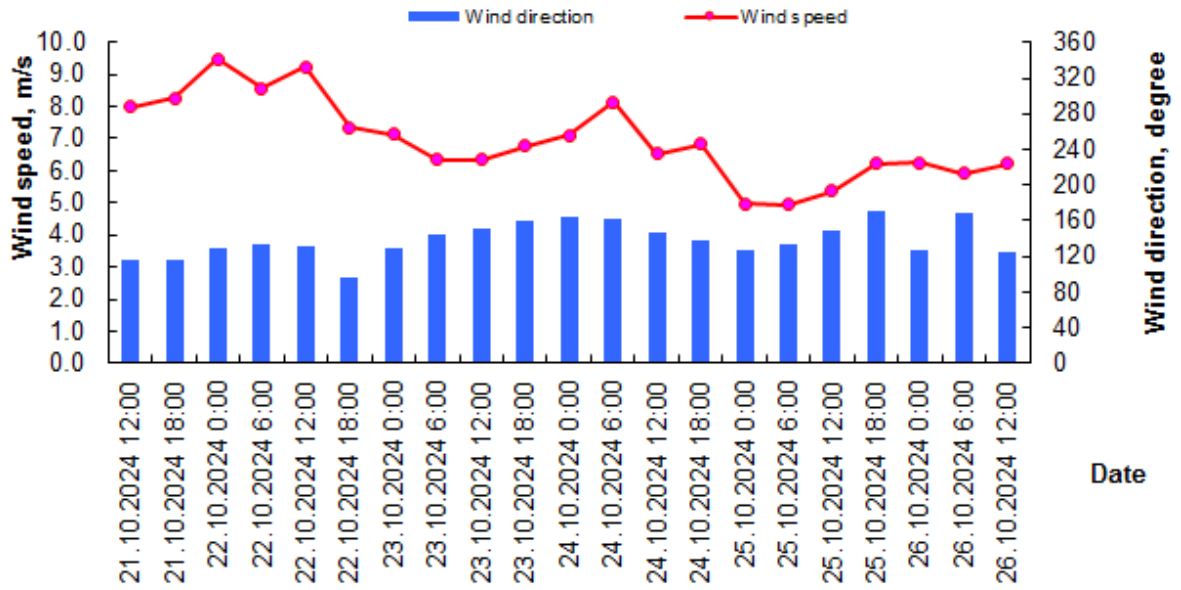


Wave condition in the 21142 unit

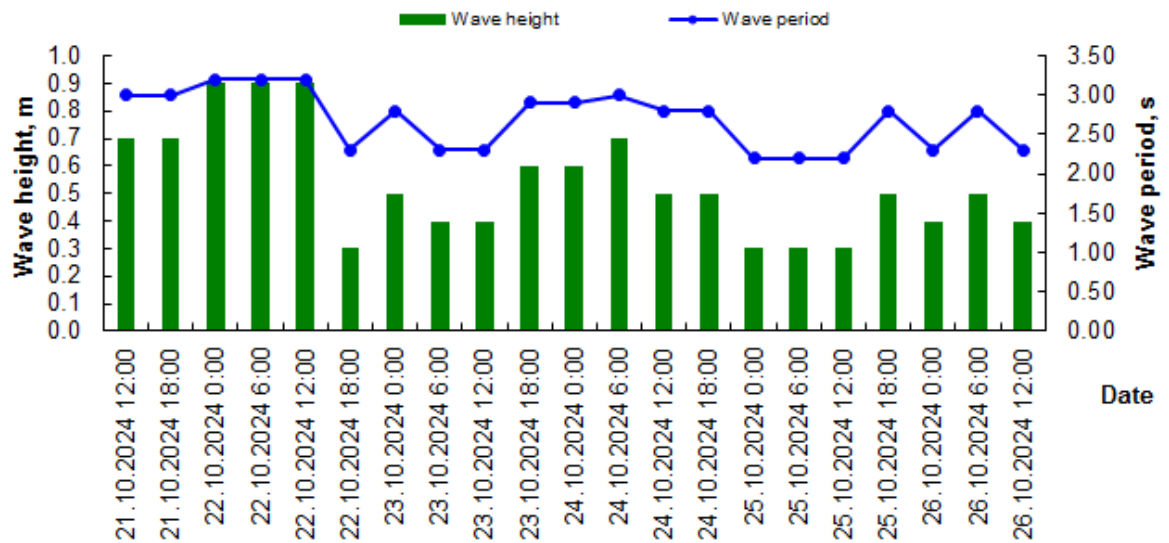


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
21.10.2024 12:00	7	E	0.60	2.60
21.10.2024 18:00	8	E	0.70	2.70
22.10.2024 0:00	10	SE	1.11	3.20
22.10.2024 6:00	10	SE	1.11	3.20
22.10.2024 12:00	10	SE	1.11	3.20
22.10.2024 18:00	9	SE	1.00	3.00
23.10.2024 0:00	8	SE	0.70	2.70
23.10.2024 6:00	6	SE	0.51	2.50
23.10.2024 12:00	6	SE	0.51	2.50
23.10.2024 18:00	7	SE	0.60	2.60
24.10.2024 0:00	7	S	0.71	2.80
24.10.2024 6:00	7	S	0.71	2.80
24.10.2024 12:00	5	SE	0.20	2.00
24.10.2024 18:00	6	SE	0.51	2.50
25.10.2024 0:00	5	SE	0.20	2.00
25.10.2024 6:00	7	SE	0.60	2.60
25.10.2024 12:00	5	SE	0.20	2.00
25.10.2024 18:00	3	E	0.11	0.80
26.10.2024 0:00	7	S	0.71	2.80
26.10.2024 6:00	8	E	0.70	2.70
26.10.2024 12:00	5	E	0.20	2.00

Wind condition in the Bautino Bay

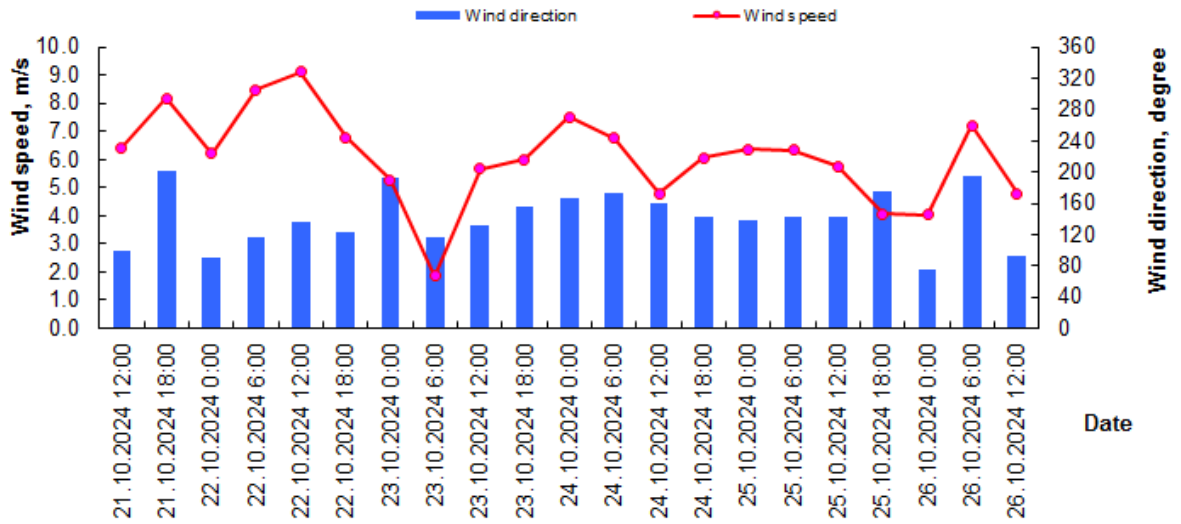


Wave condition in the Bautino Bay

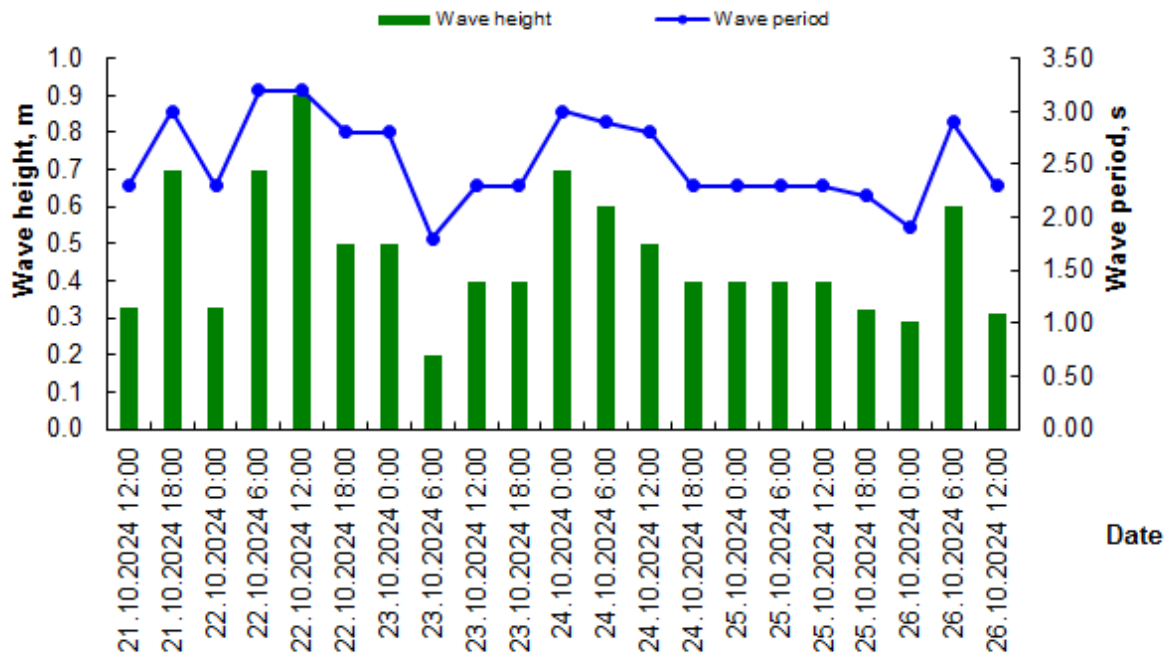


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
21.10.2024 12:00	8	SE	0.70	3.00
21.10.2024 18:00	8	SE	0.70	3.00
22.10.2024 0:00	9	SE	0.90	3.20
22.10.2024 6:00	9	SE	0.90	3.20
22.10.2024 12:00	9	SE	0.90	3.20
22.10.2024 18:00	7	E	0.30	2.30
23.10.2024 0:00	7	SE	0.50	2.80
23.10.2024 6:00	6	SE	0.40	2.30
23.10.2024 12:00	6	SE	0.40	2.30
23.10.2024 18:00	7	S	0.60	2.90
24.10.2024 0:00	7	S	0.60	2.90
24.10.2024 6:00	8	S	0.70	3.00
24.10.2024 12:00	7	SE	0.50	2.80
24.10.2024 18:00	7	SE	0.50	2.80
25.10.2024 0:00	5	SE	0.30	2.20
25.10.2024 6:00	5	SE	0.30	2.20
25.10.2024 12:00	5	SE	0.30	2.20
25.10.2024 18:00	6	S	0.50	2.80
26.10.2024 0:00	6	SE	0.40	2.30
26.10.2024 6:00	6	S	0.50	2.80
26.10.2024 12:00	6	SE	0.40	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
21.10.2024 12:00	6	E	0.33	2.30
21.10.2024 18:00	8	S	0.70	3.00
22.10.2024 0:00	6	E	0.33	2.30
22.10.2024 6:00	8	SE	0.70	3.20
22.10.2024 12:00	9	SE	0.90	3.20
22.10.2024 18:00	7	SE	0.50	2.80
23.10.2024 0:00	5	S	0.50	2.80
23.10.2024 6:00	2	SE	0.20	1.80
23.10.2024 12:00	6	SE	0.40	2.30
23.10.2024 18:00	6	SE	0.40	2.30
24.10.2024 0:00	8	S	0.70	3.00
24.10.2024 6:00	7	S	0.60	2.90
24.10.2024 12:00	5	S	0.50	2.80
24.10.2024 18:00	6	SE	0.40	2.30
25.10.2024 0:00	6	SE	0.40	2.30
25.10.2024 6:00	6	SE	0.40	2.30
25.10.2024 12:00	6	SE	0.40	2.30
25.10.2024 18:00	4	S	0.32	2.20
26.10.2024 0:00	4	E	0.29	1.90
26.10.2024 6:00	7	S	0.60	2.90
26.10.2024 12:00	5	E	0.31	2.30

Made by: Shishkina G.

Checked by: Shishkina G.