

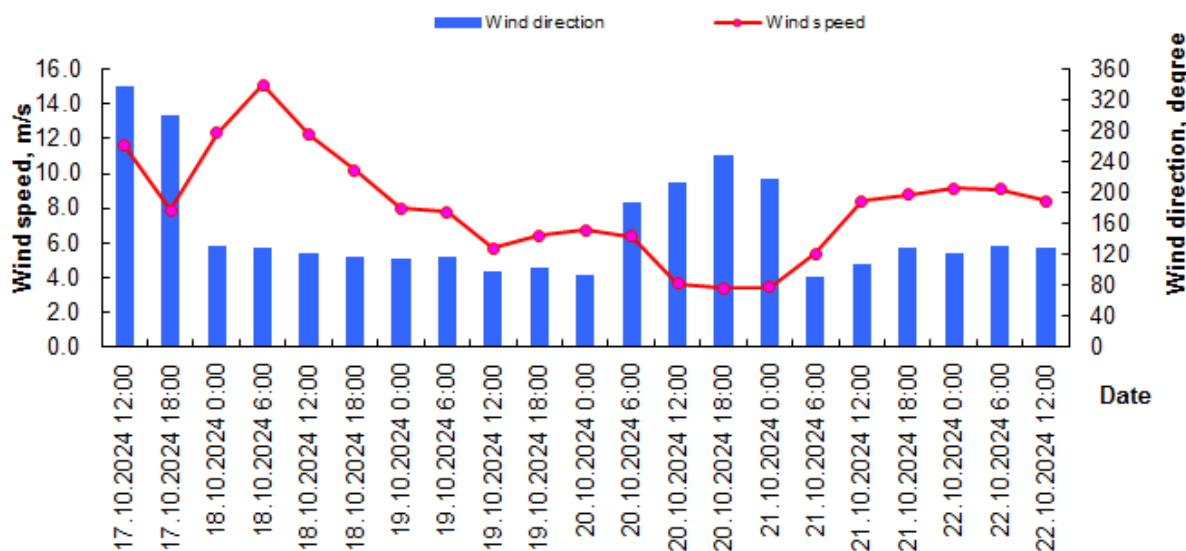


MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN

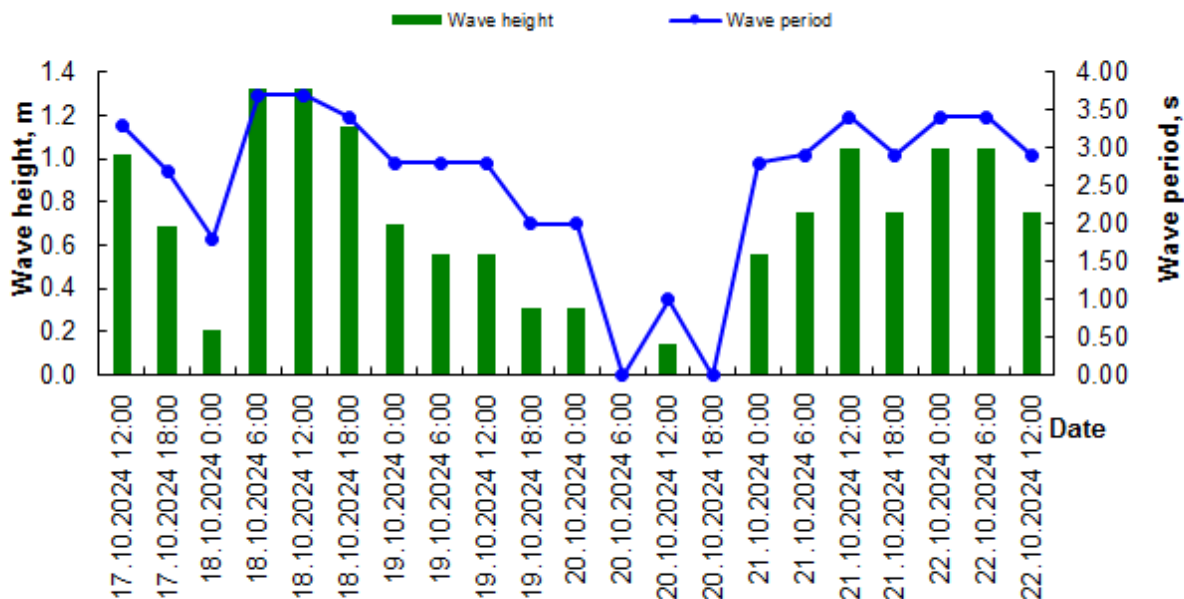
RSE «KAZHYDROMET»

Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period October 17-22, 2024

Wind condition in the 21050 unit

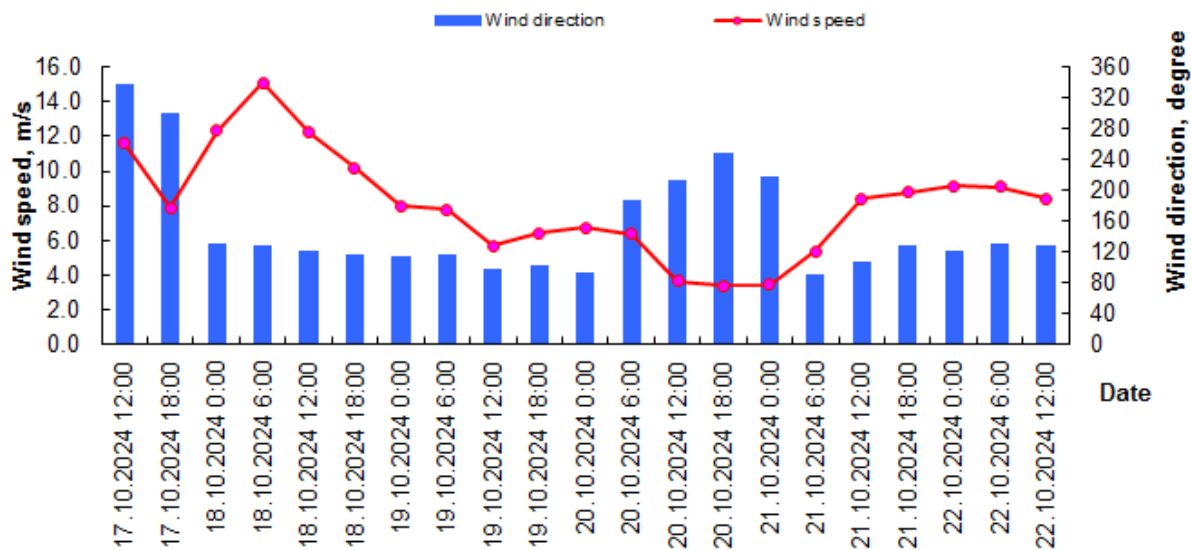


Wave condition in the 21050 unit

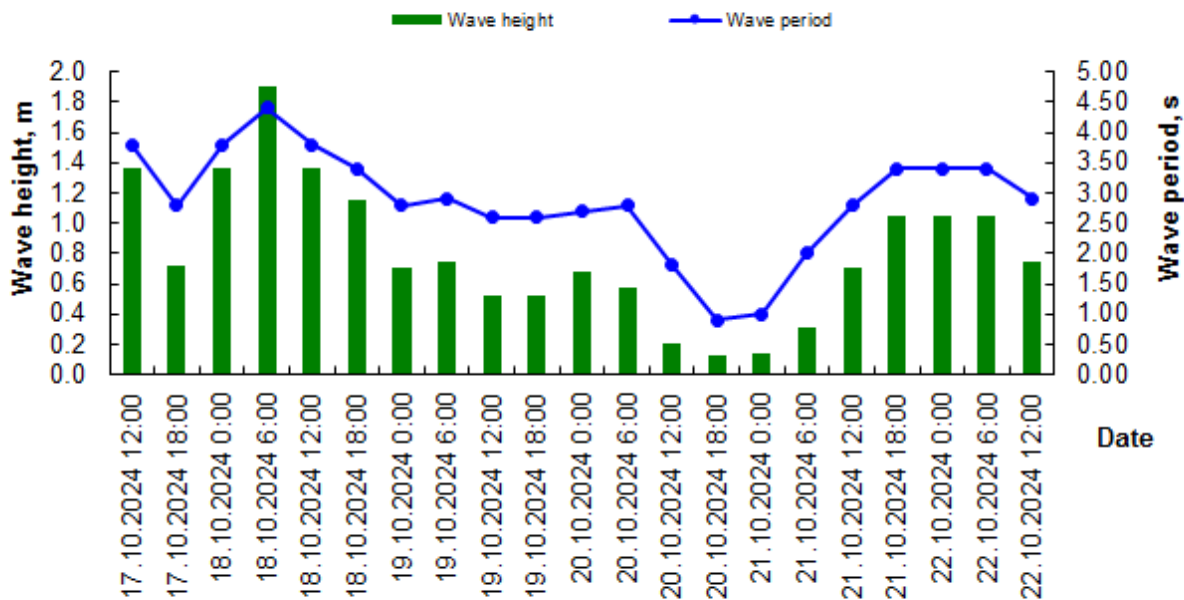


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
17.10.2024 12:00	9	N	1.02	3.30
17.10.2024 18:00	7	NW	0.69	2.70
18.10.2024 0:00	4	SE	0.21	1.80
18.10.2024 6:00	11	SE	1.32	3.70
18.10.2024 12:00	11	SE	1.32	3.70
18.10.2024 18:00	10	SE	1.15	3.40
19.10.2024 0:00	7	SE	0.70	2.80
19.10.2024 6:00	6	SE	0.56	2.80
19.10.2024 12:00	6	E	0.56	2.80
19.10.2024 18:00	5	E	0.31	2.00
20.10.2024 0:00	5	E	0.31	2.00
20.10.2024 6:00	2	S	0.00	0.00
20.10.2024 12:00	3	SW	0.14	1.00
20.10.2024 18:00	1	W	0.00	0.00
21.10.2024 0:00	6	SW	0.56	2.80
21.10.2024 6:00	8	E	0.75	2.90
21.10.2024 12:00	9	E	1.05	3.40
21.10.2024 18:00	8	SE	0.75	2.90
22.10.2024 0:00	9	SE	1.05	3.40
22.10.2024 6:00	9	SE	1.05	3.40
22.10.2024 12:00	8	SE	0.75	2.90

Wind condition in the 21141 unit

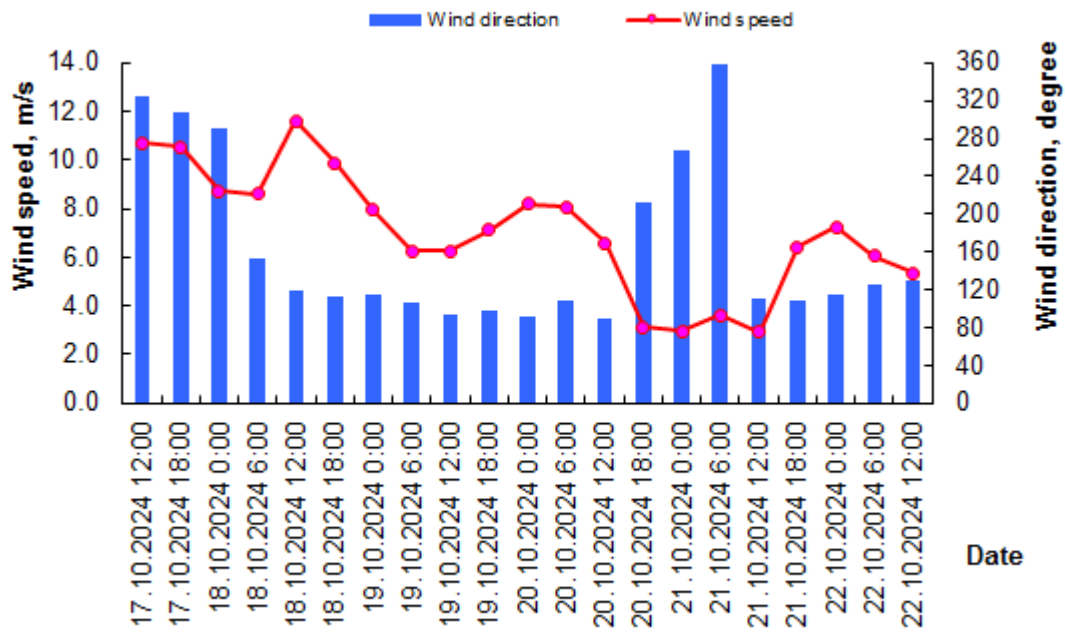


Wave condition in the 21141 unit

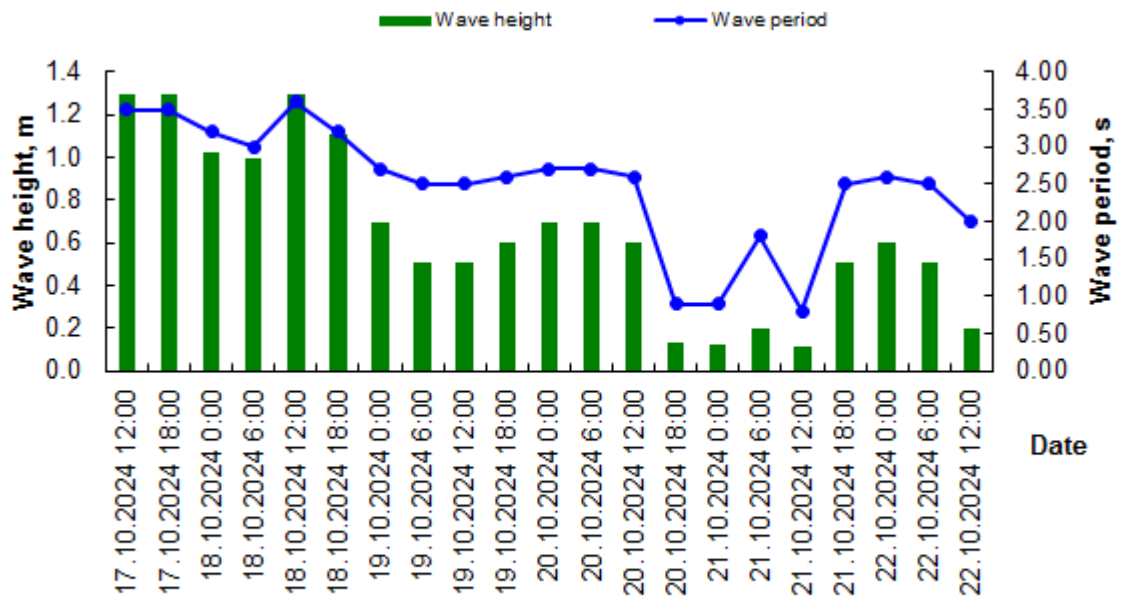


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
17.10.2024 12:00	12	N	1.37	3.80
17.10.2024 18:00	8	NW	0.72	2.80
18.10.2024 0:00	12	SE	1.37	3.80
18.10.2024 6:00	15	SE	1.90	4.40
18.10.2024 12:00	12	SE	1.37	3.80
18.10.2024 18:00	10	SE	1.15	3.40
19.10.2024 0:00	7	SE	0.70	2.80
19.10.2024 6:00	8	SE	0.75	2.90
19.10.2024 12:00	6	E	0.52	2.60
19.10.2024 18:00	6	E	0.52	2.60
20.10.2024 0:00	7	E	0.68	2.70
20.10.2024 6:00	6	S	0.58	2.80
20.10.2024 12:00	4	SW	0.21	1.80
20.10.2024 18:00	3	W	0.13	0.90
21.10.2024 0:00	3	SW	0.14	1.00
21.10.2024 6:00	5	E	0.31	2.00
21.10.2024 12:00	8	E	0.71	2.80
21.10.2024 18:00	9	SE	1.05	3.40
22.10.2024 0:00	9	SE	1.05	3.40
22.10.2024 6:00	9	SE	1.05	3.40
22.10.2024 12:00	8	SE	0.75	2.90

Wind condition in the 21142 unit

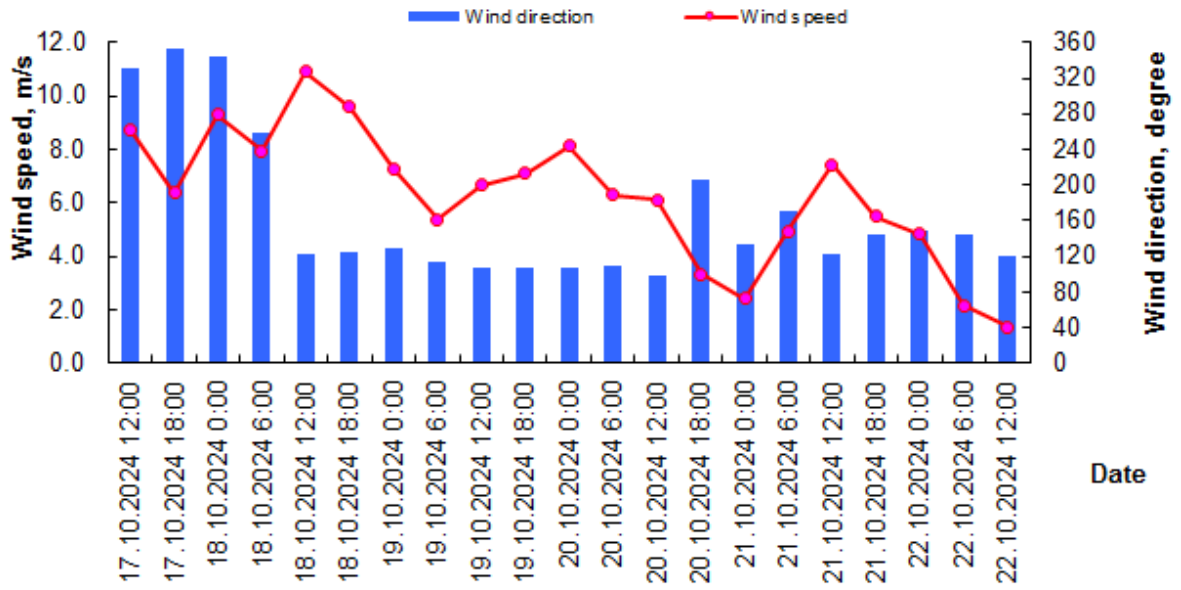


Wave condition in the 21142 unit

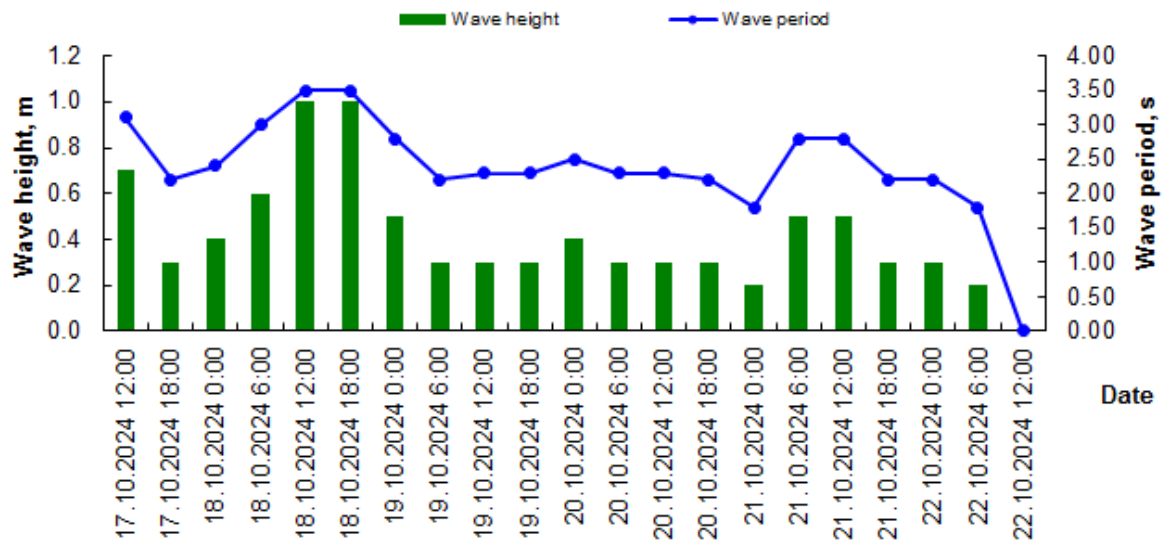


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
17.10.2024 12:00	11	NW	1.30	3.50
17.10.2024 18:00	11	NW	1.30	3.50
18.10.2024 0:00	9	W	1.02	3.20
18.10.2024 6:00	9	SE	1.00	3.00
18.10.2024 12:00	12	SE	1.30	3.60
18.10.2024 18:00	10	SE	1.11	3.20
19.10.2024 0:00	8	SE	0.70	2.70
19.10.2024 6:00	6	E	0.51	2.50
19.10.2024 12:00	6	E	0.51	2.50
19.10.2024 18:00	7	E	0.60	2.60
20.10.2024 0:00	8	E	0.70	2.70
20.10.2024 6:00	8	E	0.70	2.70
20.10.2024 12:00	7	E	0.60	2.60
20.10.2024 18:00	3	SW	0.13	0.90
21.10.2024 0:00	3	W	0.12	0.90
21.10.2024 6:00	4	N	0.20	1.80
21.10.2024 12:00	3	E	0.11	0.80
21.10.2024 18:00	6	E	0.51	2.50
22.10.2024 0:00	7	SE	0.60	2.60
22.10.2024 6:00	6	SE	0.51	2.50
22.10.2024 12:00	5	SE	0.20	2.00

Wind condition in the Bautino Bay

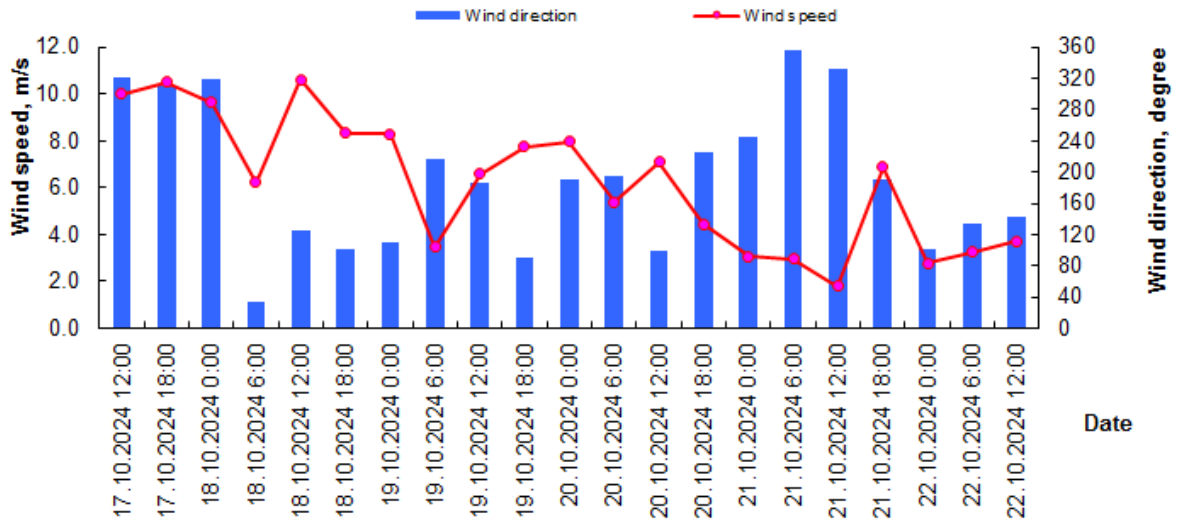


Wave condition in the Bautino Bay

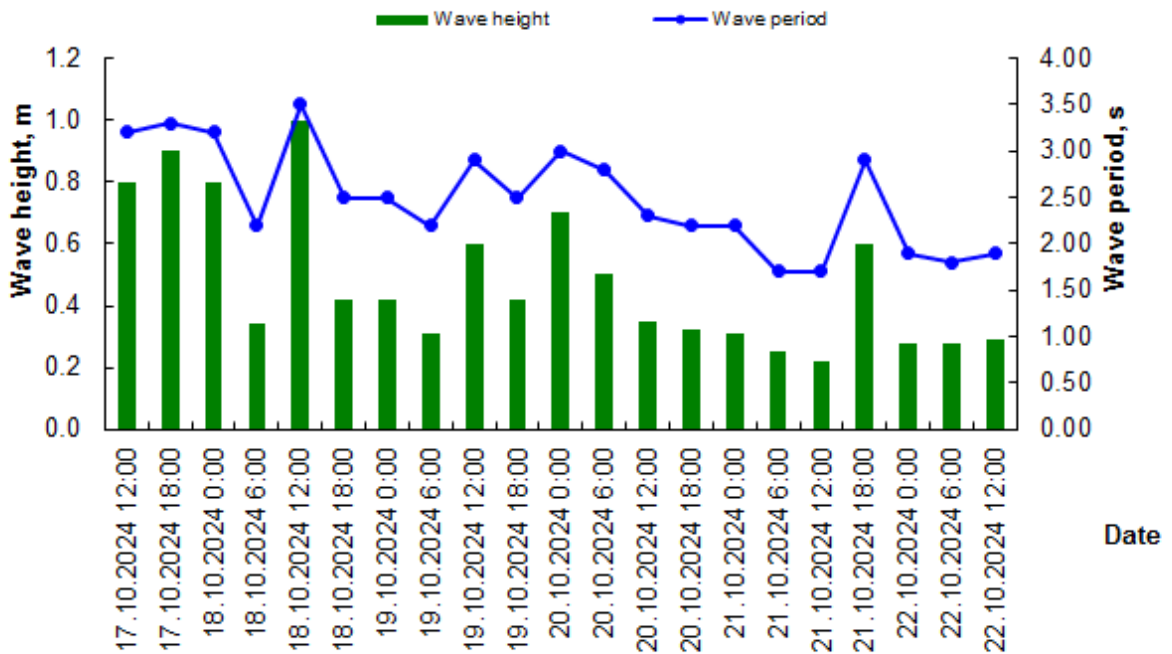


Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
17.10.2024 12:00	9	NW	0.70	3.10
17.10.2024 18:00	6	N	0.30	2.20
18.10.2024 0:00	9	N	0.40	2.40
18.10.2024 6:00	8	W	0.60	3.00
18.10.2024 12:00	11	SE	1.00	3.50
18.10.2024 18:00	10	SE	1.00	3.50
19.10.2024 0:00	7	SE	0.50	2.80
19.10.2024 6:00	5	SE	0.30	2.20
19.10.2024 12:00	7	E	0.30	2.30
19.10.2024 18:00	7	E	0.30	2.30
20.10.2024 0:00	8	E	0.40	2.50
20.10.2024 6:00	6	E	0.30	2.30
20.10.2024 12:00	6	E	0.30	2.30
20.10.2024 18:00	3	SW	0.30	2.20
21.10.2024 0:00	2	SE	0.20	1.80
21.10.2024 6:00	5	S	0.50	2.80
21.10.2024 12:00	7	SE	0.50	2.80
21.10.2024 18:00	5	SE	0.30	2.20
22.10.2024 0:00	5	SE	0.30	2.20
22.10.2024 6:00	2	SE	0.20	1.80
22.10.2024 12:00	1	SE	0.00	0.00

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
17.10.2024 12:00	10	NW	0.80	3.20
17.10.2024 18:00	11	NW	0.90	3.30
18.10.2024 0:00	10	NW	0.80	3.20
18.10.2024 6:00	6	NE	0.34	2.20
18.10.2024 12:00	11	SE	1.00	3.50
18.10.2024 18:00	8	E	0.42	2.50
19.10.2024 0:00	8	E	0.42	2.50
19.10.2024 6:00	3	SW	0.31	2.20
19.10.2024 12:00	7	S	0.60	2.90
19.10.2024 18:00	8	E	0.42	2.50
20.10.2024 0:00	8	S	0.70	3.00
20.10.2024 6:00	5	S	0.50	2.80
20.10.2024 12:00	7	E	0.35	2.30
20.10.2024 18:00	4	SW	0.32	2.20
21.10.2024 0:00	3	SW	0.31	2.20
21.10.2024 6:00	3	N	0.25	1.70
21.10.2024 12:00	2	NW	0.22	1.70
21.10.2024 18:00	7	S	0.60	2.90
22.10.2024 0:00	3	E	0.28	1.90
22.10.2024 6:00	3	SE	0.28	1.80
22.10.2024 12:00	4	SE	0.29	1.90

Made by: Shishkina G.

Checked by: Shishkina G.