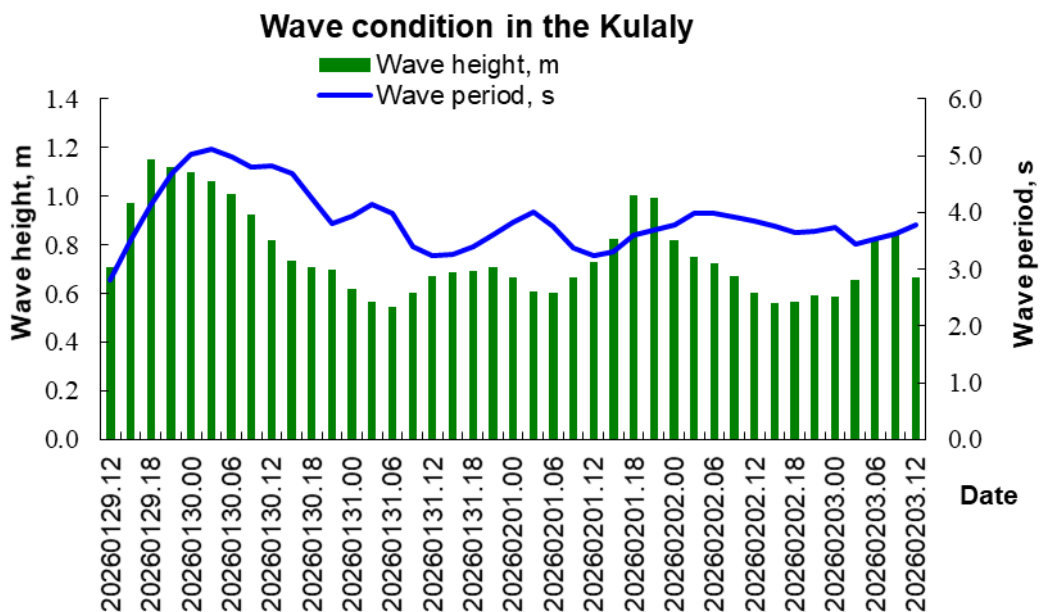
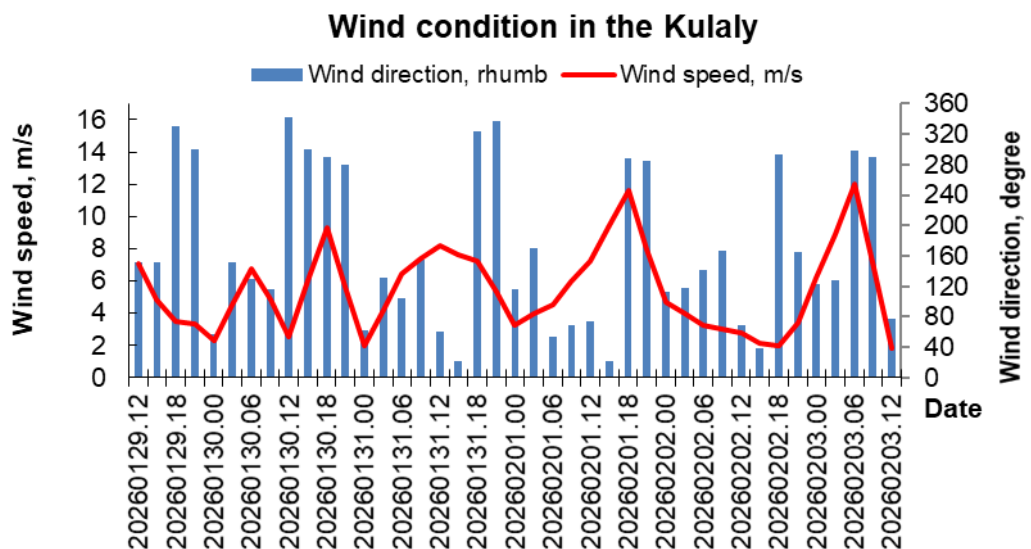




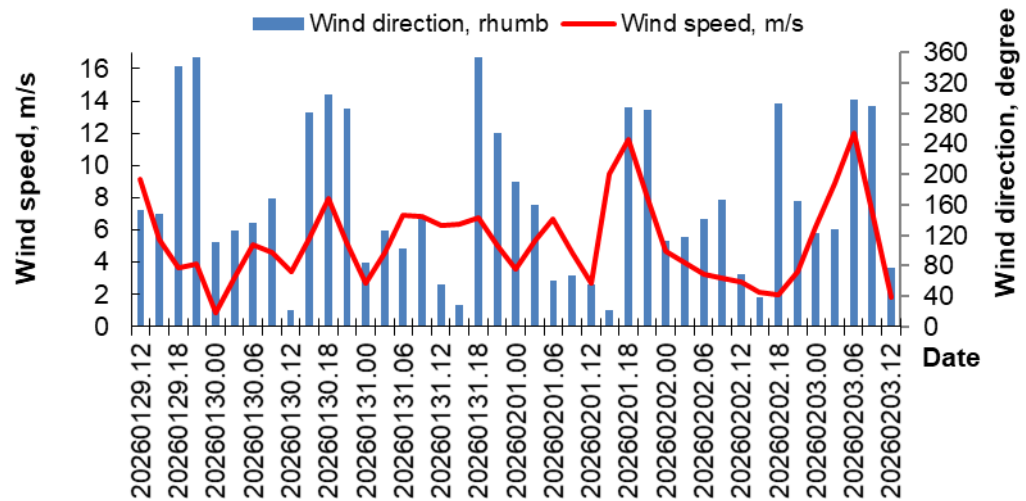
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period January 29 – February 03, 2026 .**

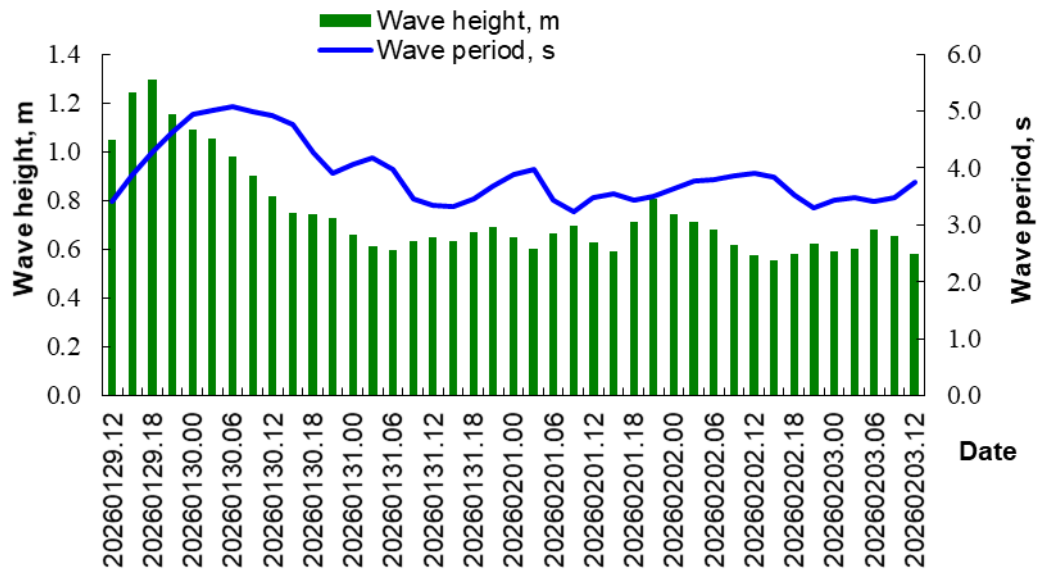


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260129.12	0.71	NW	2.8	7	SE
20260129.15	0.97	N	3.5	5	SE
20260129.18	1.15	N	4.1	3	NW
20260129.21	1.12	N	4.7	3	NW
20260130.00	1.10	N	5.0	2	NE
20260130.03	1.06	N	5.1	5	SE
20260130.06	1.01	N	5.0	7	SE
20260130.09	0.92	N	4.8	5	SE
20260130.12	0.82	NW	4.8	3	N
20260130.15	0.73	NW	4.7	6	NW
20260130.18	0.71	N	4.3	9	W
20260130.21	0.70	NE	3.8	6	W
20260131.00	0.62	NE	3.9	2	NE
20260131.03	0.56	NE	4.1	4	SE
20260131.06	0.55	NE	4.0	6	E
20260131.09	0.60	N	3.4	7	SE
20260131.12	0.67	N	3.2	8	NE
20260131.15	0.69	NE	3.3	8	N
20260131.18	0.69	E	3.4	7	NW
20260131.21	0.71	E	3.6	5	NW
20260201.00	0.67	E	3.8	3	SE
20260201.03	0.61	E	4.0	4	S
20260201.06	0.60	E	3.8	5	NE
20260201.09	0.66	NE	3.4	6	E
20260201.12	0.73	N	3.2	7	E
20260201.15	0.83	NE	3.3	9	NE
20260201.18	1.00	E	3.6	12	W
20260201.21	0.99	E	3.7	8	W
20260202.00	0.82	E	3.8	5	SE
20260202.03	0.75	E	4.0	4	SE
20260202.06	0.72	E	4.0	3	SE
20260202.09	0.67	NE	3.9	3	S
20260202.12	0.60	NE	3.8	3	E
20260202.15	0.56	E	3.8	2	NE
20260202.18	0.56	E	3.6	2	NW
20260202.21	0.59	E	3.7	3	S
20260203.00	0.58	E	3.7	6	SE
20260203.03	0.66	NE	3.5	9	SE
20260203.06	0.83	E	3.5	12	NW
20260203.09	0.84	E	3.6	7	W
20260203.12	0.67	E	3.8	2	E

Wind condition in the Fort-Shevchenko

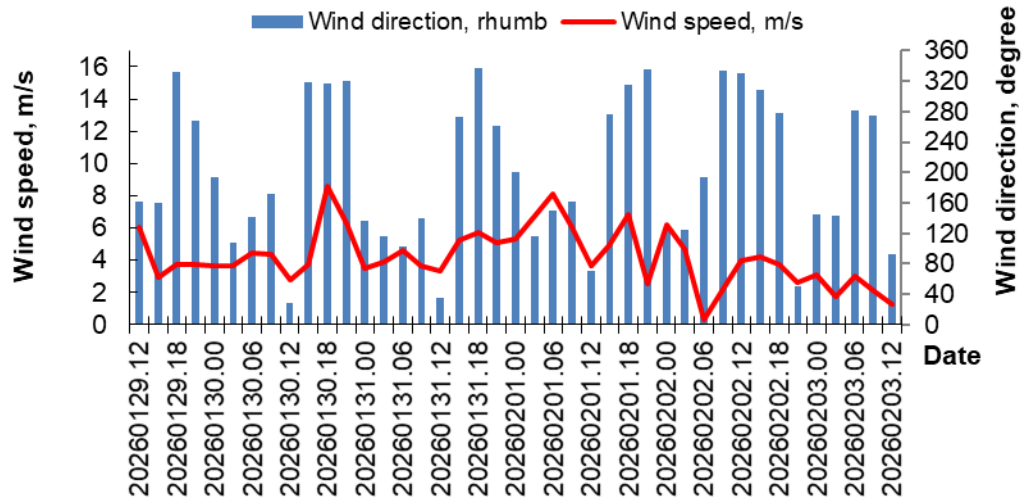


Wave condition in the Fort-Shevchenko

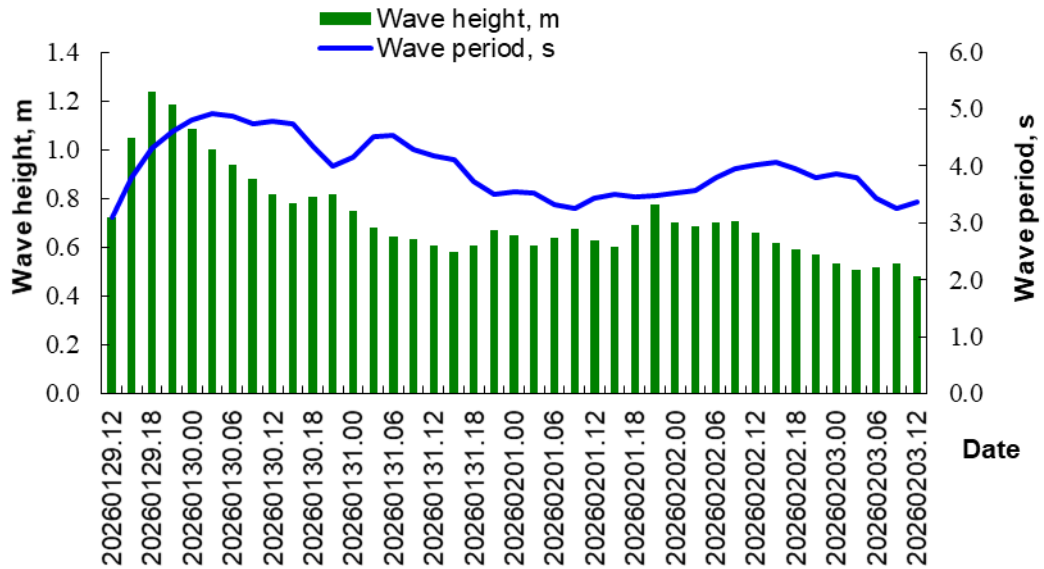


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260129.12	1.05	NW	3.4	9	SE
20260129.15	1.24	NW	3.9	5	SE
20260129.18	1.30	N	4.3	4	N
20260129.21	1.15	N	4.6	4	N
20260130.00	1.09	N	4.9	1	E
20260130.03	1.05	N	5.0	3	SE
20260130.06	0.98	N	5.1	5	SE
20260130.09	0.90	N	5.0	5	S
20260130.12	0.82	NW	4.9	3	N
20260130.15	0.75	NW	4.8	5	W
20260130.18	0.74	N	4.3	8	NW
20260130.21	0.73	NE	3.9	5	W
20260131.00	0.66	NE	4.1	3	E
20260131.03	0.61	NE	4.2	5	SE
20260131.06	0.59	NE	4.0	7	E
20260131.09	0.63	N	3.5	7	SE
20260131.12	0.65	N	3.3	6	NE
20260131.15	0.64	NE	3.3	6	NE
20260131.18	0.67	E	3.5	7	N
20260131.21	0.69	E	3.7	5	W
20260201.00	0.65	E	3.9	4	S
20260201.03	0.60	E	4.0	5	S
20260201.06	0.66	E	3.4	7	NE
20260201.09	0.70	NE	3.2	5	NE
20260201.12	0.63	NE	3.5	3	NE
20260201.15	0.59	NE	3.5	9	NE
20260201.18	0.71	E	3.4	12	W
20260201.21	0.81	E	3.5	8	W
20260202.00	0.74	E	3.6	5	SE
20260202.03	0.71	E	3.8	4	SE
20260202.06	0.68	E	3.8	3	SE
20260202.09	0.62	E	3.9	3	S
20260202.12	0.58	E	3.9	3	E
20260202.15	0.55	E	3.8	2	NE
20260202.18	0.58	E	3.5	2	NW
20260202.21	0.62	E	3.3	3	S
20260203.00	0.59	E	3.4	6	SE
20260203.03	0.60	E	3.5	9	SE
20260203.06	0.68	E	3.4	12	NW
20260203.09	0.66	E	3.5	7	W
20260203.12	0.58	E	3.8	2	E

Wind condition in the Aktau

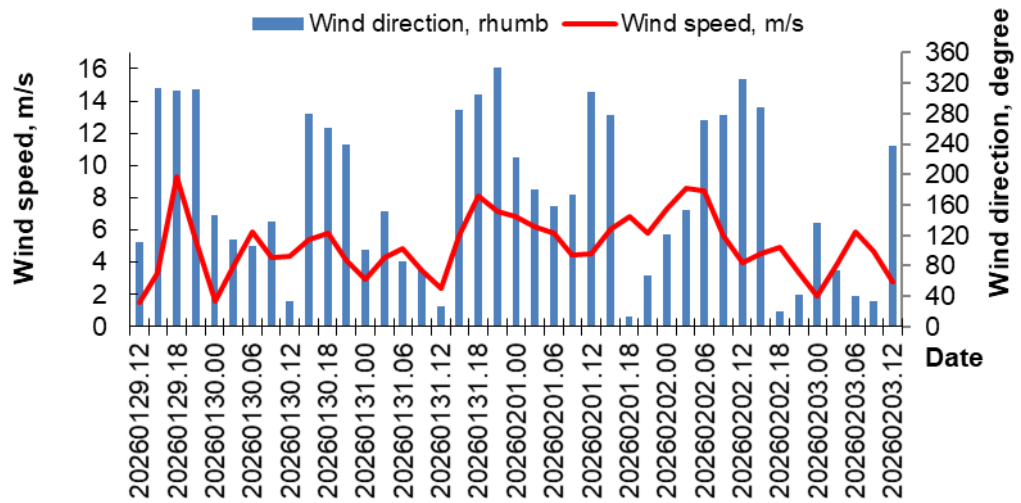


Wave condition in the Aktau

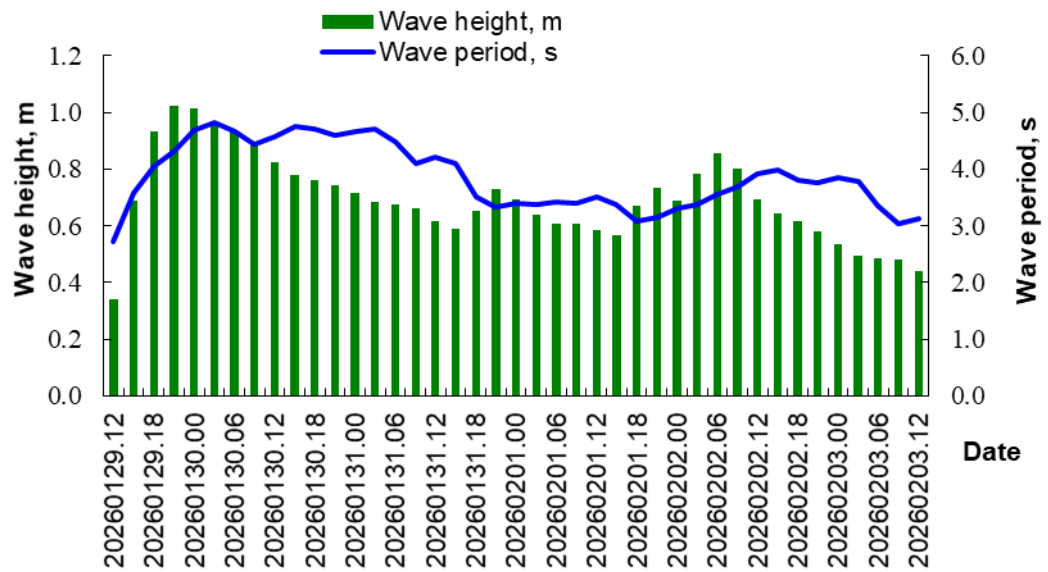


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260129.12	0.72	NW	3.1	6	S
20260129.15	1.05	NW	3.8	3	S
20260129.18	1.24	NW	4.3	4	NW
20260129.21	1.19	NW	4.6	4	W
20260130.00	1.08	NW	4.8	4	S
20260130.03	1.00	NW	4.9	4	E
20260130.06	0.94	NW	4.9	4	SE
20260130.09	0.88	NW	4.7	4	S
20260130.12	0.82	NW	4.8	3	NE
20260130.15	0.78	NW	4.8	4	NW
20260130.18	0.81	N	4.3	9	NW
20260130.21	0.82	NE	4.0	6	NW
20260131.00	0.75	NE	4.2	4	SE
20260131.03	0.68	NE	4.5	4	SE
20260131.06	0.64	NE	4.5	5	E
20260131.09	0.63	NE	4.3	4	SE
20260131.12	0.61	NE	4.2	3	NE
20260131.15	0.58	NE	4.1	5	W
20260131.18	0.61	E	3.7	6	NW
20260131.21	0.67	E	3.5	5	W
20260201.00	0.65	E	3.6	5	S
20260201.03	0.60	E	3.5	7	SE
20260201.06	0.64	NE	3.3	8	SE
20260201.09	0.68	N	3.3	6	S
20260201.12	0.63	N	3.4	4	E
20260201.15	0.60	NE	3.5	5	W
20260201.18	0.69	E	3.5	7	NW
20260201.21	0.78	E	3.5	3	NW
20260202.00	0.70	E	3.5	6	SE
20260202.03	0.69	NE	3.6	5	SE
20260202.06	0.70	N	3.8	0	S
20260202.09	0.71	NE	3.9	2	NW
20260202.12	0.66	NE	4.0	4	NW
20260202.15	0.62	NE	4.1	4	NW
20260202.18	0.59	E	3.9	4	W
20260202.21	0.57	E	3.8	3	NE
20260203.00	0.54	E	3.9	3	SE
20260203.03	0.51	E	3.8	2	SE
20260203.06	0.52	E	3.4	3	W
20260203.09	0.53	E	3.3	2	W
20260203.12	0.48	E	3.4	1	E

Wind condition in the Peschanyi

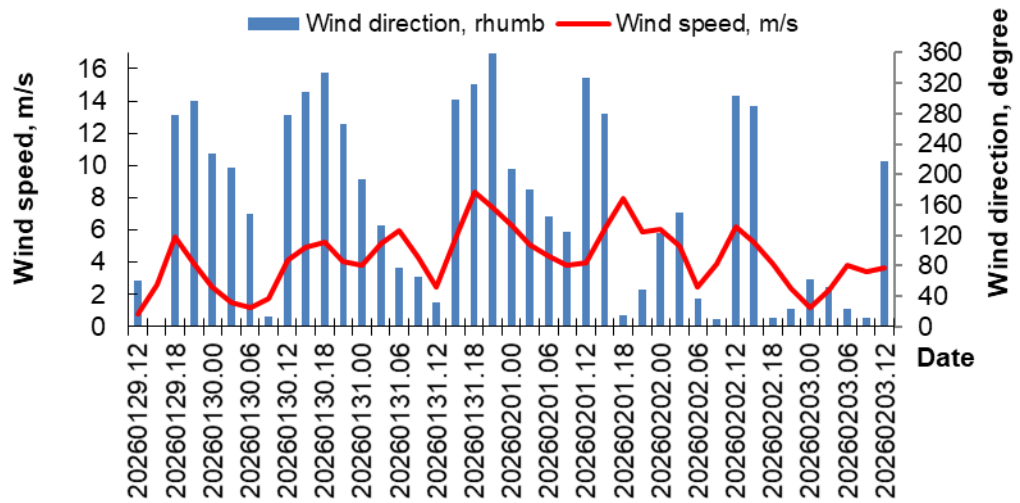


Wave condition in the Peschanyi

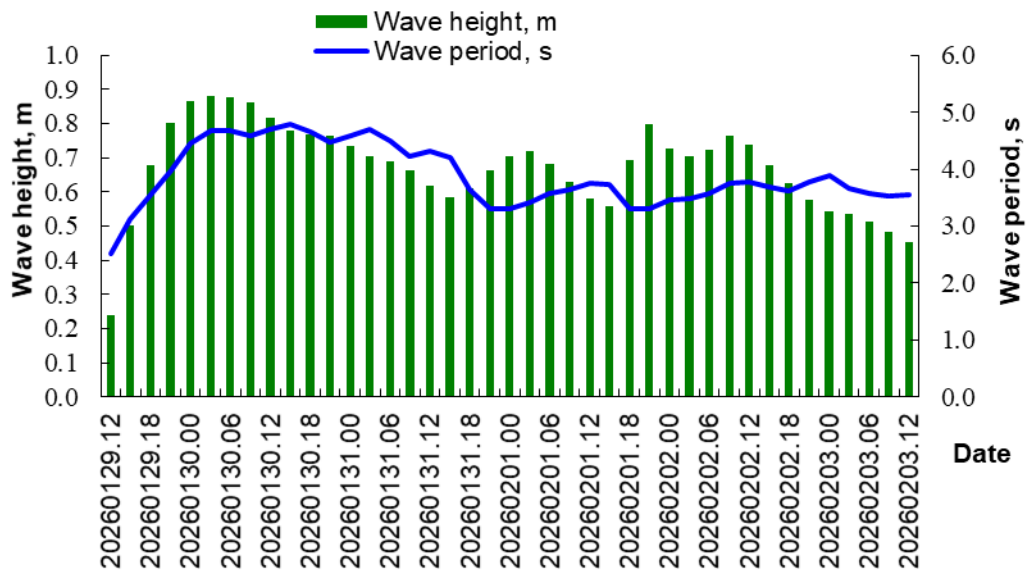


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260129.12	0.34	NW	2.7	2	E
20260129.15	0.69	NW	3.6	3	NW
20260129.18	0.93	NW	4.1	9	NW
20260129.21	1.02	NW	4.3	5	NW
20260130.00	1.01	NW	4.7	2	SE
20260130.03	0.97	NW	4.8	4	SE
20260130.06	0.93	NW	4.7	6	E
20260130.09	0.90	NW	4.4	4	SE
20260130.12	0.83	NW	4.6	4	NE
20260130.15	0.78	NW	4.7	5	W
20260130.18	0.76	NW	4.7	6	W
20260130.21	0.74	N	4.6	4	SW
20260131.00	0.71	N	4.7	3	E
20260131.03	0.69	N	4.7	4	SE
20260131.06	0.67	NE	4.5	5	E
20260131.09	0.66	NE	4.1	3	E
20260131.12	0.62	NE	4.2	2	NE
20260131.15	0.59	NE	4.1	6	W
20260131.18	0.65	E	3.5	8	NW
20260131.21	0.73	E	3.3	7	N
20260201.00	0.69	SE	3.4	7	SW
20260201.03	0.64	SE	3.4	6	S
20260201.06	0.61	E	3.4	6	S
20260201.09	0.61	NE	3.4	4	S
20260201.12	0.58	NE	3.5	5	NW
20260201.15	0.57	NE	3.4	6	W
20260201.18	0.67	E	3.1	7	N
20260201.21	0.73	E	3.1	6	E
20260202.00	0.69	NE	3.3	7	SE
20260202.03	0.78	N	3.4	9	SE
20260202.06	0.86	N	3.6	8	W
20260202.09	0.80	NE	3.7	6	W
20260202.12	0.69	NE	3.9	4	NW
20260202.15	0.64	NE	4.0	5	W
20260202.18	0.62	NE	3.8	5	N
20260202.21	0.58	NE	3.8	3	NE
20260203.00	0.53	NE	3.8	2	SE
20260203.03	0.49	NE	3.8	4	E
20260203.06	0.48	NE	3.4	6	NE
20260203.09	0.48	NE	3.0	5	NE
20260203.12	0.44	NE	3.1	3	SW

Wind condition in the Fetisovo

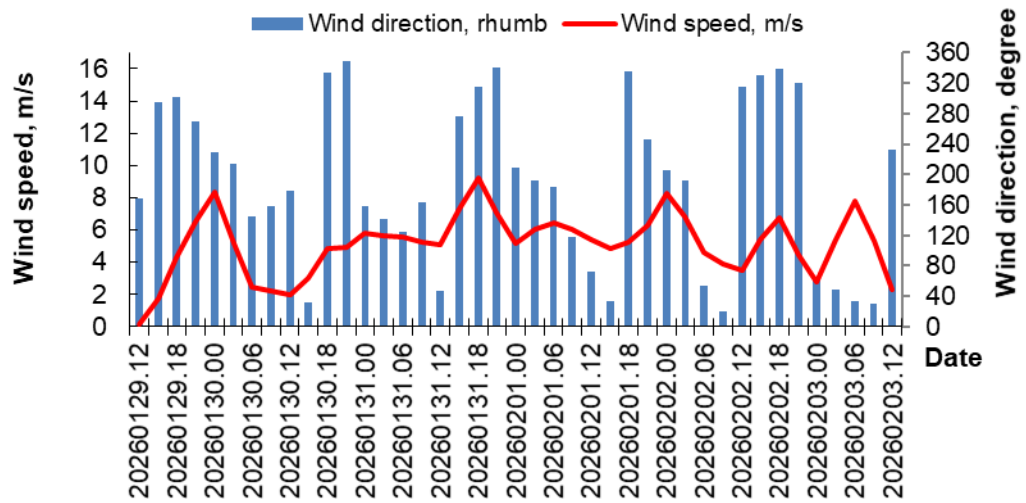


Wave condition in the Fetisovo

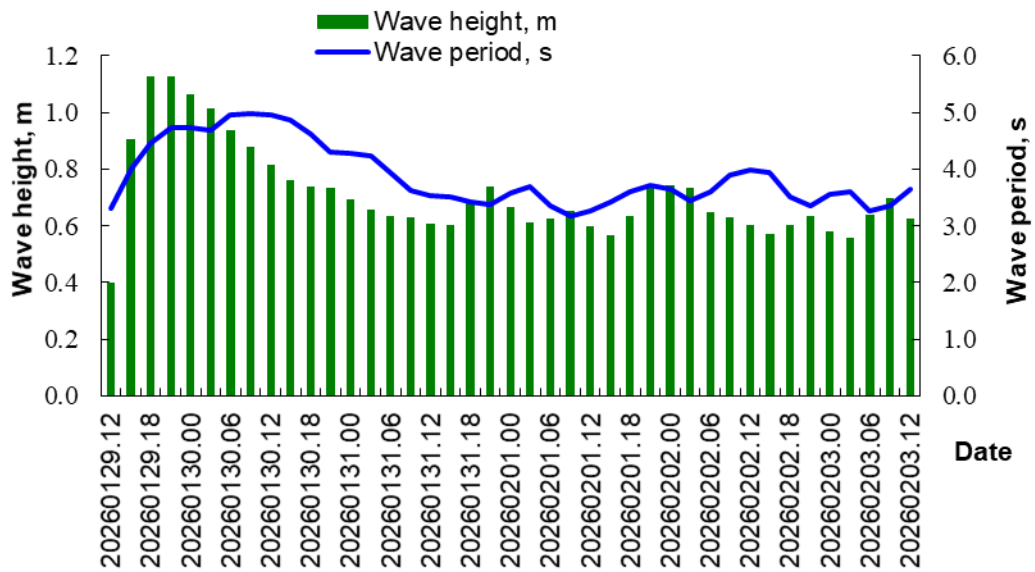


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260129.12	0.24	NW	2.5	1	NE
20260129.15	0.50	NW	3.1	3	N
20260129.18	0.68	NW	3.6	6	W
20260129.21	0.80	NW	4.0	4	NW
20260130.00	0.86	NW	4.4	2	SW
20260130.03	0.88	NW	4.7	2	SW
20260130.06	0.88	NW	4.7	1	SE
20260130.09	0.86	NW	4.6	2	N
20260130.12	0.82	NW	4.7	4	W
20260130.15	0.78	NW	4.8	5	NW
20260130.18	0.77	NW	4.7	5	NW
20260130.21	0.76	N	4.5	4	W
20260131.00	0.73	N	4.6	4	S
20260131.03	0.70	N	4.7	5	SE
20260131.06	0.69	N	4.5	6	E
20260131.09	0.66	N	4.2	4	NE
20260131.12	0.62	N	4.3	2	NE
20260131.15	0.58	N	4.2	6	NW
20260131.18	0.61	NE	3.6	8	NW
20260131.21	0.66	E	3.3	7	N
20260201.00	0.71	SE	3.3	6	SW
20260201.03	0.72	NW	3.4	5	S
20260201.06	0.68	NW	3.6	4	SE
20260201.09	0.63	N	3.6	4	SE
20260201.12	0.58	N	3.7	4	NW
20260201.15	0.56	NE	3.7	6	W
20260201.18	0.69	NE	3.3	8	N
20260201.21	0.80	NE	3.3	6	NE
20260202.00	0.73	NE	3.5	6	SE
20260202.03	0.70	NE	3.5	5	SE
20260202.06	0.72	NE	3.6	2	NE
20260202.09	0.76	NE	3.7	4	N
20260202.12	0.74	E	3.8	6	NW
20260202.15	0.68	E	3.7	5	W
20260202.18	0.63	NE	3.6	4	N
20260202.21	0.58	NE	3.8	2	NE
20260203.00	0.54	NE	3.9	1	NE
20260203.03	0.54	N	3.7	2	NE
20260203.06	0.51	N	3.6	4	NE
20260203.09	0.48	N	3.5	3	N
20260203.12	0.45	NE	3.5	4	SW

Wind condition in the Saura

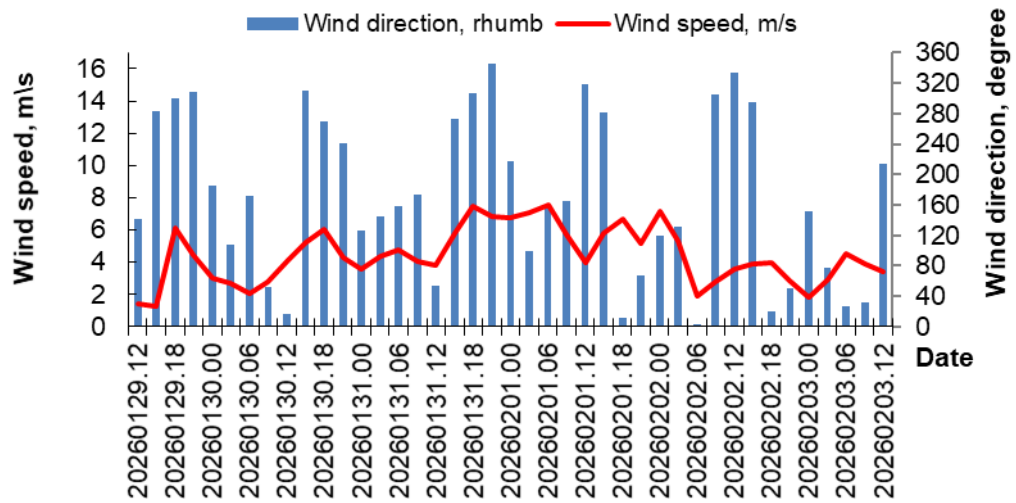


Wave condition in the Saura

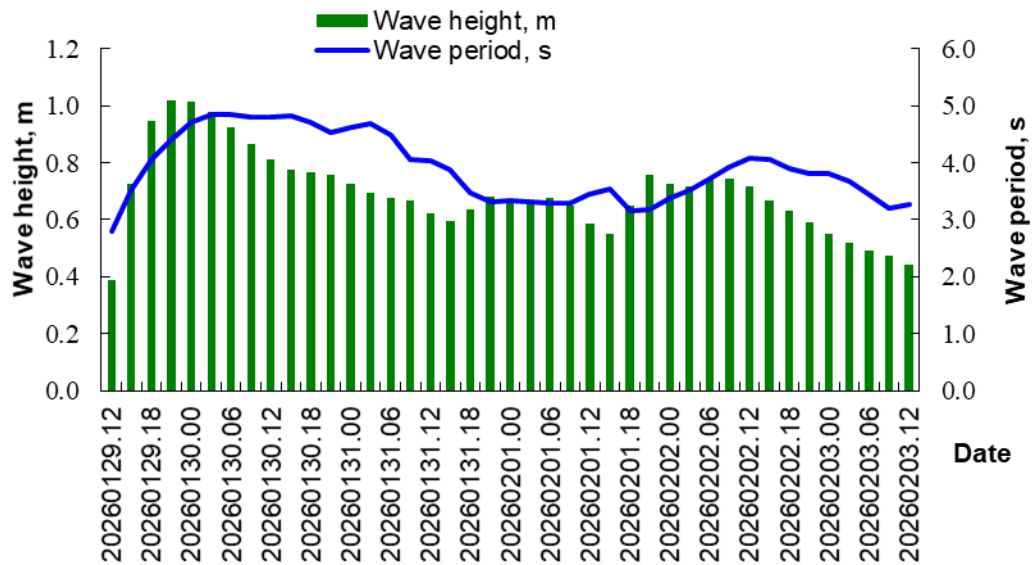


Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260129.12	0.40	NW	3.3	0	S
20260129.15	0.91	NW	4.0	2	NW
20260129.18	1.13	NW	4.5	4	NW
20260129.21	1.13	NW	4.7	7	W
20260130.00	1.07	NW	4.7	8	SW
20260130.03	1.01	NW	4.7	5	SW
20260130.06	0.94	N	4.9	2	SE
20260130.09	0.88	N	5.0	2	S
20260130.12	0.82	NW	5.0	2	S
20260130.15	0.76	NW	4.9	3	NE
20260130.18	0.74	N	4.6	5	NW
20260130.21	0.73	N	4.3	5	N
20260131.00	0.69	N	4.3	6	S
20260131.03	0.66	NE	4.2	6	SE
20260131.06	0.64	NE	3.9	6	SE
20260131.09	0.63	N	3.6	5	S
20260131.12	0.61	NE	3.5	5	NE
20260131.15	0.60	NE	3.5	7	W
20260131.18	0.68	E	3.4	9	NW
20260131.21	0.74	E	3.4	7	N
20260201.00	0.67	E	3.6	5	SW
20260201.03	0.61	E	3.7	6	S
20260201.06	0.63	SE	3.4	6	S
20260201.09	0.65	E	3.2	6	SE
20260201.12	0.60	NE	3.3	5	E
20260201.15	0.57	NE	3.4	5	NE
20260201.18	0.63	E	3.6	5	NW
20260201.21	0.74	E	3.7	6	SW
20260202.00	0.75	SE	3.6	8	SW
20260202.03	0.73	SE	3.5	7	S
20260202.06	0.65	SE	3.6	5	NE
20260202.09	0.63	E	3.9	4	N
20260202.12	0.60	E	4.0	3	NW
20260202.15	0.57	E	3.9	5	NW
20260202.18	0.60	E	3.5	7	N
20260202.21	0.64	SE	3.3	4	NW
20260203.00	0.58	E	3.6	3	NE
20260203.03	0.56	E	3.6	5	NE
20260203.06	0.64	E	3.3	8	NE
20260203.09	0.70	E	3.4	5	NE
20260203.12	0.62	E	3.6	2	SW

Wind condition in the Kuryik



Wave condition in the Kuryik



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260129.12	0.39	NW	2.8	1	SE
20260129.15	0.73	NW	3.5	1	W
20260129.18	0.95	NW	4.1	6	NW
20260129.21	1.02	NW	4.4	4	NW
20260130.00	1.01	NW	4.7	3	S
20260130.03	0.98	NW	4.9	3	E
20260130.06	0.92	NW	4.9	2	S
20260130.09	0.86	NW	4.8	3	NE
20260130.12	0.81	NW	4.8	4	N
20260130.15	0.78	NW	4.8	5	NW
20260130.18	0.77	NW	4.7	6	W
20260130.21	0.76	N	4.5	4	SW
20260131.00	0.73	N	4.6	4	SE
20260131.03	0.69	N	4.7	4	SE
20260131.06	0.67	N	4.5	5	S
20260131.09	0.67	N	4.1	4	S
20260131.12	0.62	NE	4.0	4	NE
20260131.15	0.60	NE	3.9	6	W
20260131.18	0.63	E	3.5	7	NW
20260131.21	0.68	E	3.3	7	N
20260201.00	0.66	E	3.3	7	SW
20260201.03	0.67	SE	3.3	7	E
20260201.06	0.68	NW	3.3	8	SE
20260201.09	0.65	N	3.3	6	S
20260201.12	0.59	N	3.4	4	NW
20260201.15	0.55	NE	3.5	6	W
20260201.18	0.65	NE	3.2	7	N
20260201.21	0.76	NE	3.2	5	E
20260202.00	0.73	NE	3.4	7	SE
20260202.03	0.71	N	3.5	5	SE
20260202.06	0.74	N	3.7	2	N
20260202.09	0.74	N	3.9	3	NW
20260202.12	0.72	E	4.1	4	NW
20260202.15	0.67	E	4.1	4	NW
20260202.18	0.63	NE	3.9	4	N
20260202.21	0.59	NE	3.8	3	NE
20260203.00	0.55	NE	3.8	2	SE
20260203.03	0.52	NE	3.7	3	E
20260203.06	0.49	NE	3.4	5	NE
20260203.09	0.47	NE	3.2	4	NE
20260203.12	0.44	NE	3.3	3	SW

**Calculation characteristics were obtained using the SWAN wave model, adapted in RSE «Kazhydromet» to the conditions of the Caspian Sea.*

Compiled by: Bazarbay L.B.

Checked by: Shishkina G.M.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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