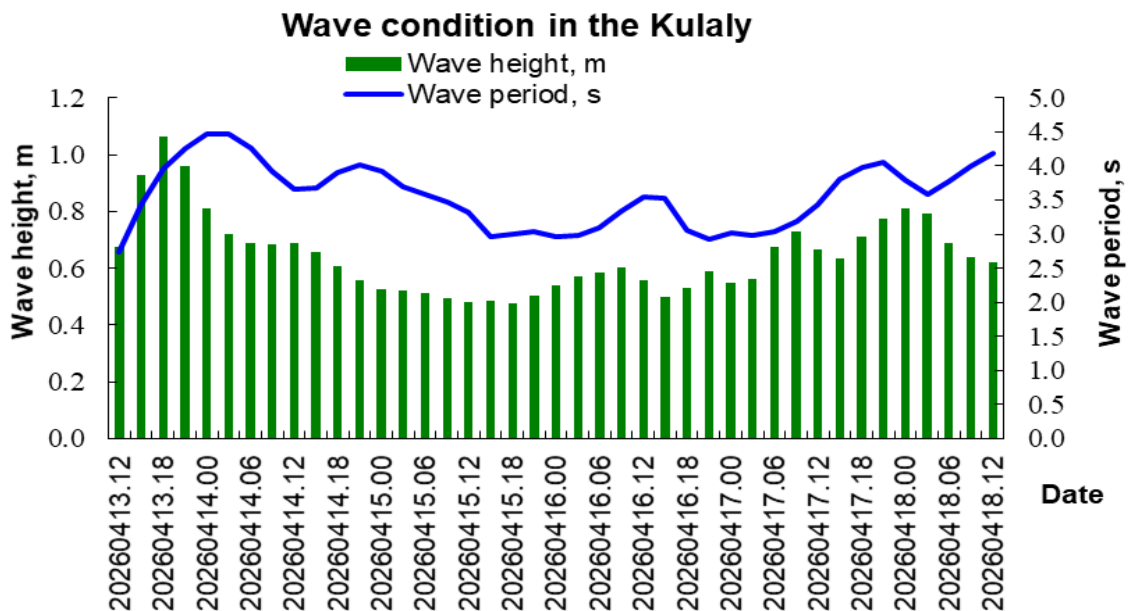
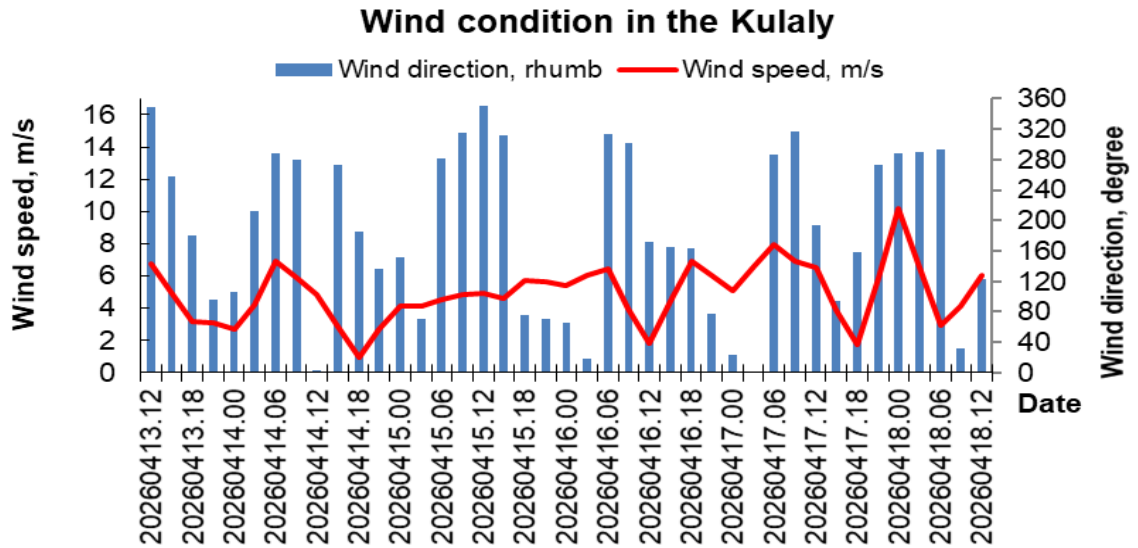




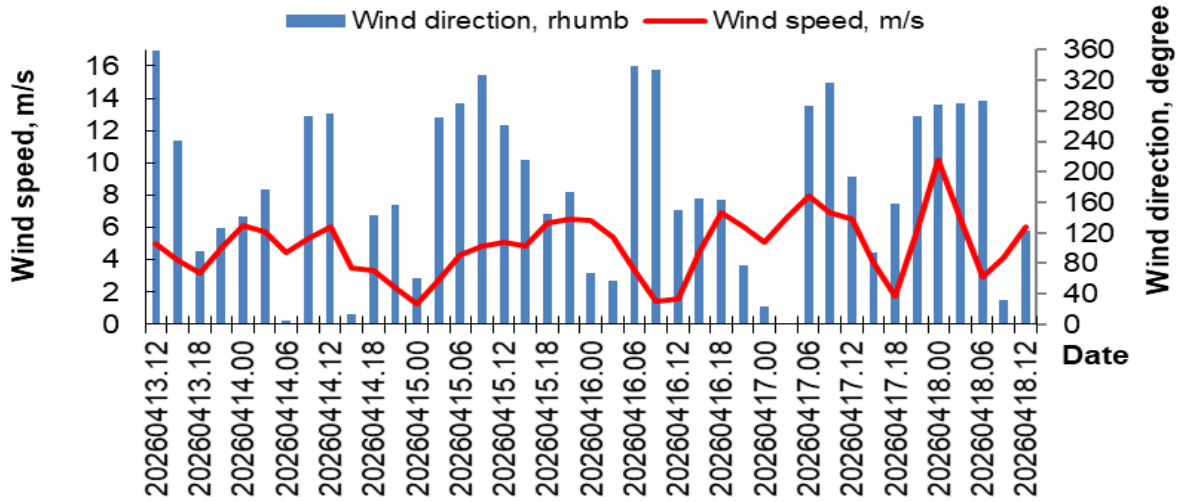
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period April 13 – 18, 2026 .**

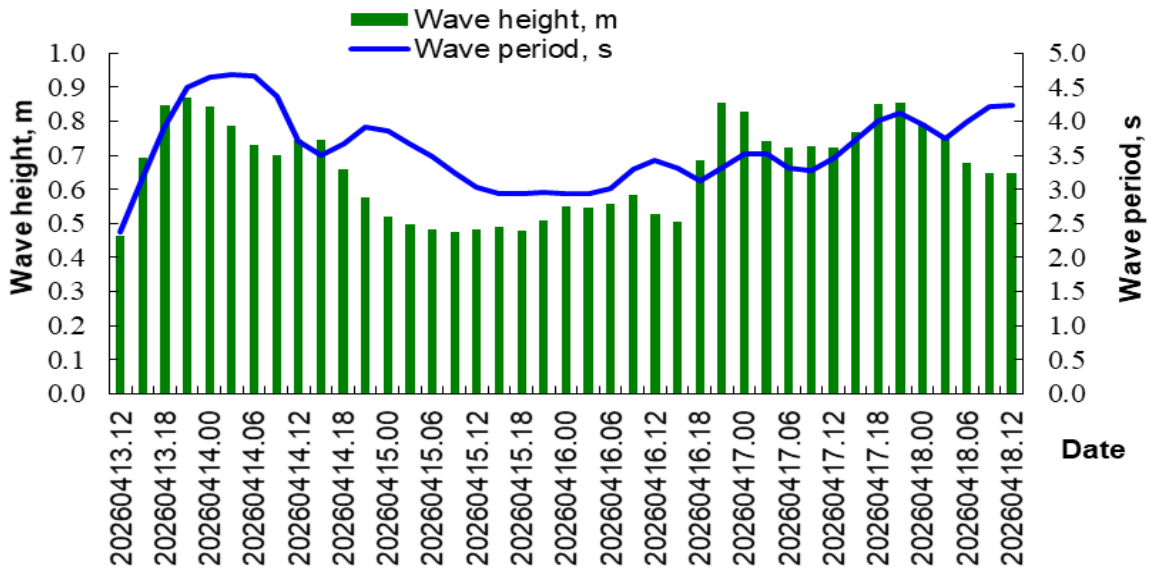


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260413.12	0.67	S	2.7	7	N
20260413.15	0.93	S	3.4	5	W
20260413.18	1.06	S	4.0	3	S
20260413.21	0.96	S	4.3	3	E
20260414.00	0.81	S	4.5	3	E
20260414.03	0.72	S	4.5	4	SW
20260414.06	0.69	S	4.3	7	W
20260414.09	0.68	S	3.9	6	W
20260414.12	0.69	SE	3.7	5	N
20260414.15	0.66	SE	3.7	3	W
20260414.18	0.61	SE	3.9	1	S
20260414.21	0.56	SE	4.0	3	SE
20260415.00	0.53	SE	3.9	4	SE
20260415.03	0.52	S	3.7	4	E
20260415.06	0.51	S	3.6	4	W
20260415.09	0.50	S	3.5	5	NW
20260415.12	0.48	SW	3.3	5	N
20260415.15	0.48	S	3.0	5	NW
20260415.18	0.48	SW	3.0	6	E
20260415.21	0.50	NW	3.0	6	E
20260416.00	0.54	N	3.0	5	NE
20260416.03	0.57	N	3.0	6	N
20260416.06	0.58	NE	3.1	6	NW
20260416.09	0.60	NE	3.3	4	NW
20260416.12	0.56	NE	3.5	2	S
20260416.15	0.50	NE	3.5	4	S
20260416.18	0.53	N	3.1	7	S
20260416.21	0.59	N	2.9	6	E
20260417.00	0.55	N	3.0	5	NE
20260417.03	0.56	NE	3.0	7	N
20260417.06	0.68	E	3.0	8	W
20260417.09	0.73	E	3.2	7	NW
20260417.12	0.66	E	3.4	6	S
20260417.15	0.63	E	3.8	4	E
20260417.18	0.71	NE	4.0	2	S
20260417.21	0.77	NE	4.1	6	W
20260418.00	0.81	NE	3.8	10	W
20260418.03	0.79	E	3.6	7	W
20260418.06	0.69	E	3.8	3	NW
20260418.09	0.64	E	4.0	4	NE
20260418.12	0.62	E	4.2	6	SE

Wind condition in the Fort-Shevchenko

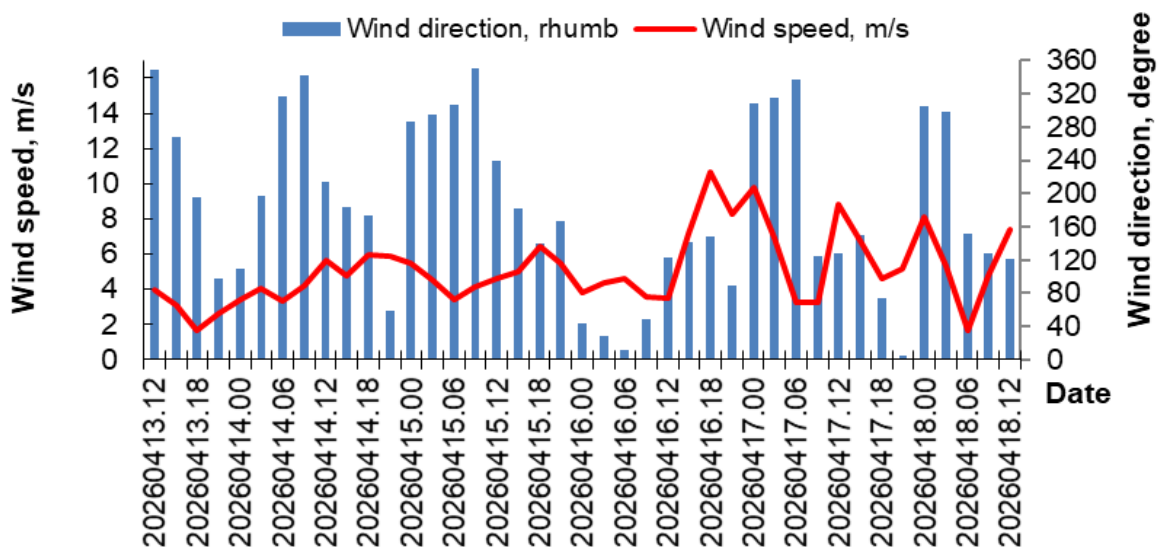


Wave condition in the Fort-Shevchenko

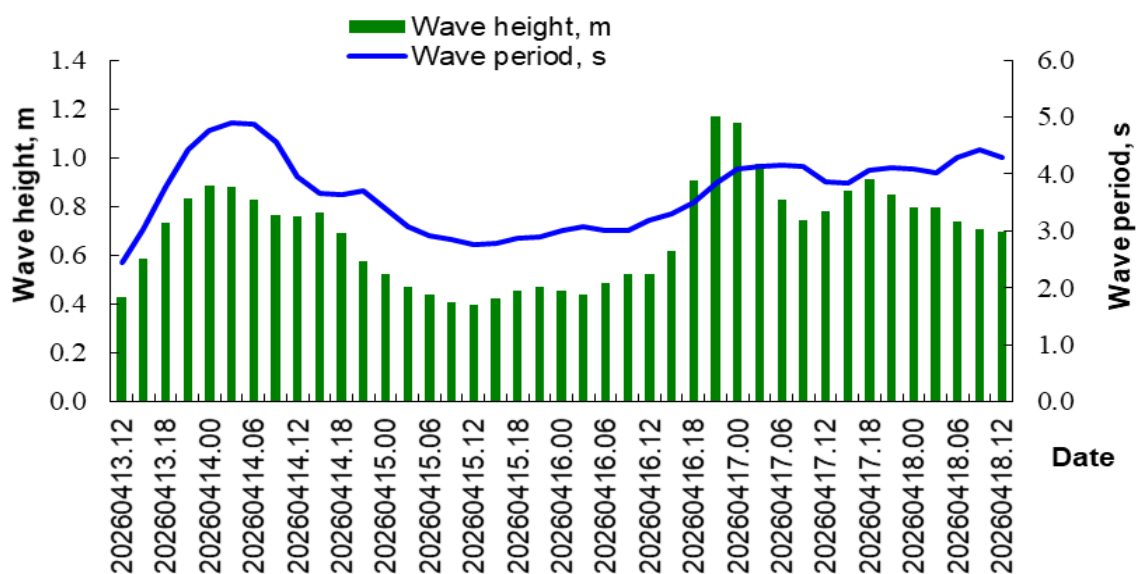


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260413.12	0.46	S	2.4	5	N
20260413.15	0.69	S	3.2	4	SW
20260413.18	0.85	S	3.9	3	E
20260413.21	0.87	SW	4.5	5	SE
20260414.00	0.84	S	4.7	6	SE
20260414.03	0.79	S	4.7	6	S
20260414.06	0.73	S	4.7	4	N
20260414.09	0.70	S	4.4	5	W
20260414.12	0.74	SE	3.7	6	W
20260414.15	0.75	SE	3.5	3	N
20260414.18	0.66	SE	3.7	3	SE
20260414.21	0.57	SE	3.9	2	SE
20260415.00	0.52	SE	3.9	1	NE
20260415.03	0.50	SE	3.7	3	W
20260415.06	0.48	S	3.5	4	W
20260415.09	0.47	S	3.2	5	NW
20260415.12	0.48	S	3.0	5	W
20260415.15	0.49	S	2.9	5	SW
20260415.18	0.48	SW	2.9	6	SE
20260415.21	0.51	NW	3.0	6	S
20260416.00	0.55	N	2.9	6	NE
20260416.03	0.55	N	2.9	5	NE
20260416.06	0.56	NE	3.0	3	N
20260416.09	0.58	NE	3.3	1	NW
20260416.12	0.53	NE	3.4	2	SE
20260416.15	0.50	NE	3.3	4	S
20260416.18	0.68	N	3.1	7	S
20260416.21	0.86	N	3.3	6	E
20260417.00	0.83	N	3.5	5	NE
20260417.03	0.74	N	3.5	7	N
20260417.06	0.72	NE	3.3	8	W
20260417.09	0.73	NE	3.3	7	NW
20260417.12	0.72	NE	3.5	6	S
20260417.15	0.77	N	3.7	4	E
20260417.18	0.85	N	4.0	2	S
20260417.21	0.85	N	4.1	6	W
20260418.00	0.79	NE	4.0	10	W
20260418.03	0.75	E	3.8	7	W
20260418.06	0.68	E	4.0	3	NW
20260418.09	0.65	E	4.2	4	NE
20260418.12	0.65	E	4.2	6	SE

Wind condition in the Aktau

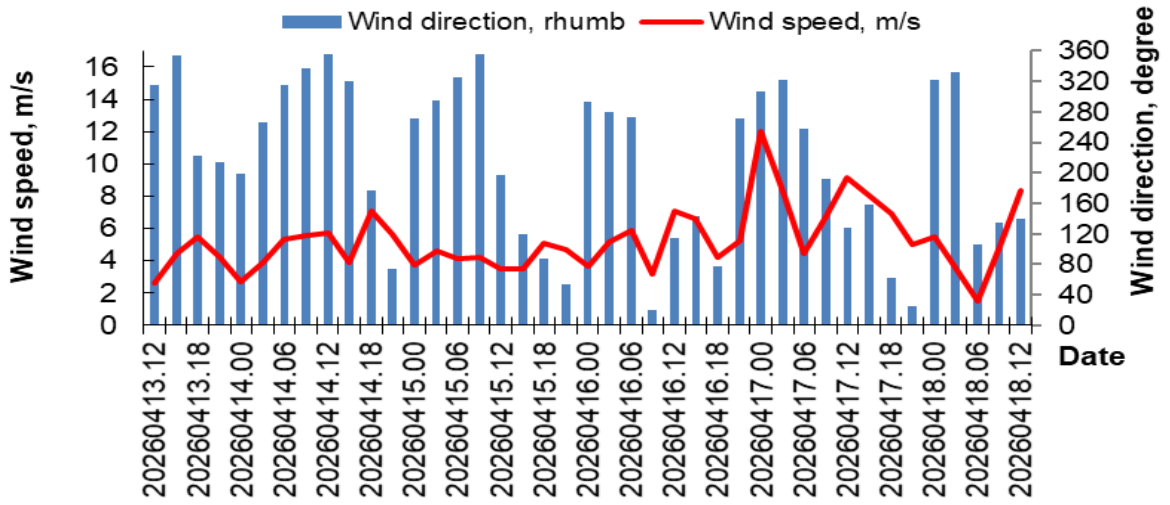


Wave condition in the Aktau

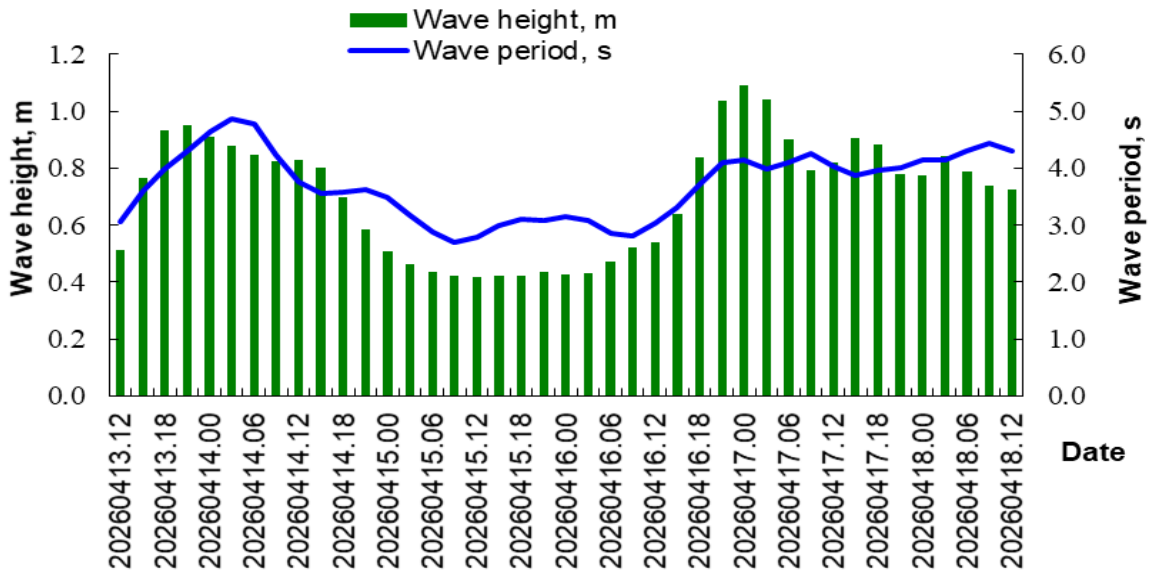


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260413.12	0.43	S	2.4	4	N
20260413.15	0.58	S	3.0	3	W
20260413.18	0.73	S	3.8	2	S
20260413.21	0.83	S	4.4	3	E
20260414.00	0.89	S	4.8	3	E
20260414.03	0.88	S	4.9	4	S
20260414.06	0.83	S	4.9	3	NW
20260414.09	0.77	S	4.6	4	N
20260414.12	0.76	S	4.0	6	SW
20260414.15	0.77	S	3.7	5	S
20260414.18	0.69	S	3.6	6	S
20260414.21	0.57	S	3.7	6	NE
20260415.00	0.52	S	3.4	6	W
20260415.03	0.47	SE	3.1	5	NW
20260415.06	0.44	SE	2.9	3	NW
20260415.09	0.41	SE	2.8	4	N
20260415.12	0.40	S	2.8	5	SW
20260415.15	0.42	S	2.8	5	S
20260415.18	0.45	SW	2.9	6	SE
20260415.21	0.47	W	2.9	5	S
20260416.00	0.45	NW	3.0	4	NE
20260416.03	0.44	N	3.1	4	NE
20260416.06	0.48	NE	3.0	5	N
20260416.09	0.52	NE	3.0	4	NE
20260416.12	0.53	N	3.2	3	SE
20260416.15	0.62	NW	3.3	7	SE
20260416.18	0.91	NW	3.5	11	SE
20260416.21	1.17	NW	3.9	8	E
20260417.00	1.14	NW	4.1	10	NW
20260417.03	0.98	N	4.1	7	NW
20260417.06	0.83	N	4.2	3	NW
20260417.09	0.74	NE	4.1	3	SE
20260417.12	0.78	N	3.9	9	SE
20260417.15	0.87	N	3.8	7	SE
20260417.18	0.91	N	4.1	5	E
20260417.21	0.85	N	4.1	5	N
20260418.00	0.80	NE	4.1	8	NW
20260418.03	0.79	E	4.0	5	NW
20260418.06	0.74	E	4.3	2	SE
20260418.09	0.71	E	4.4	5	SE
20260418.12	0.69	E	4.3	7	SE

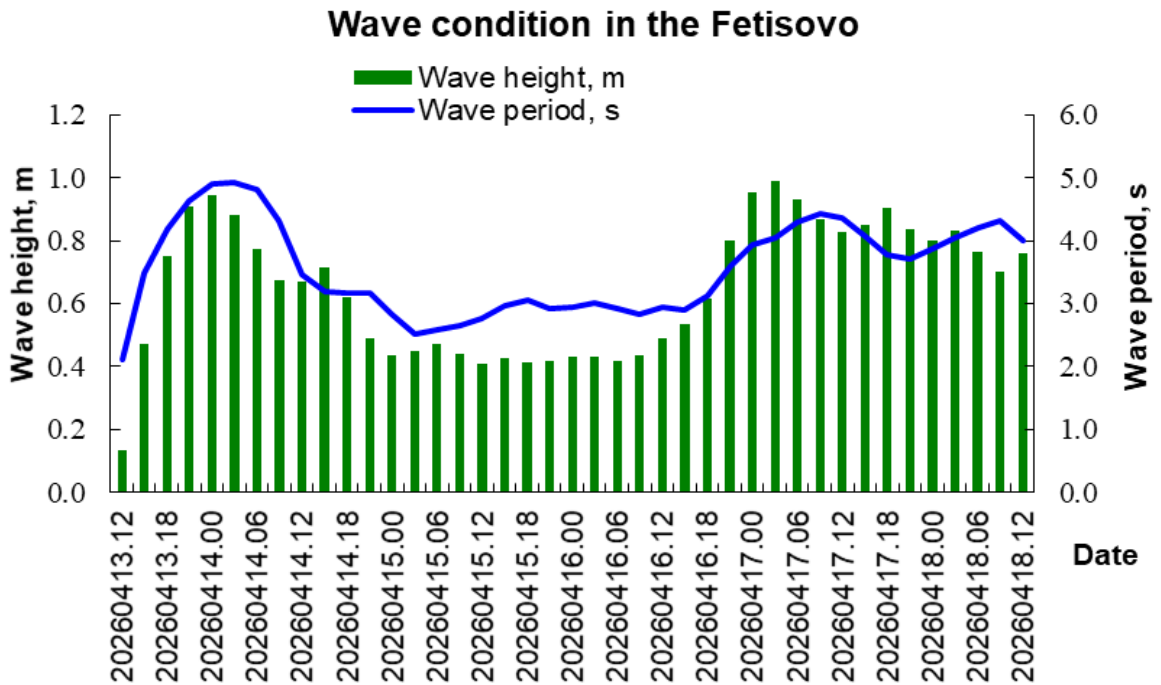
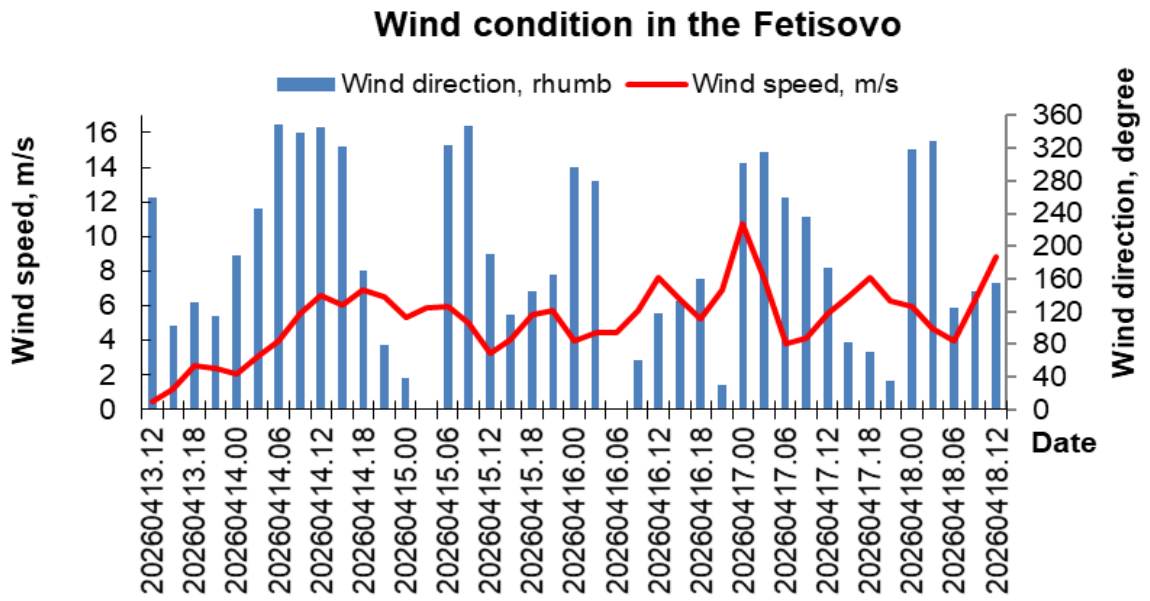
Wind condition in the Peschanyi



Wave condition in the Peschanyi

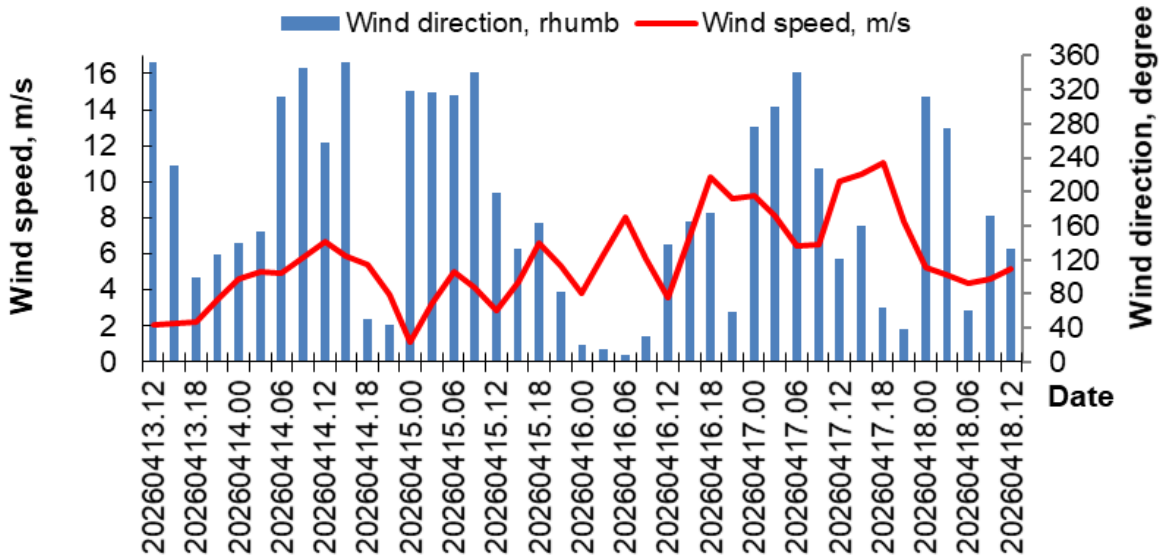


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260413.12	0.51	S	3.1	3	NW
20260413.15	0.77	S	3.6	4	N
20260413.18	0.93	S	4.0	5	SW
20260413.21	0.95	S	4.3	4	SW
20260414.00	0.91	S	4.6	3	S
20260414.03	0.88	S	4.9	4	W
20260414.06	0.85	S	4.8	5	NW
20260414.09	0.83	S	4.2	6	NW
20260414.12	0.83	S	3.8	6	N
20260414.15	0.80	S	3.6	4	NW
20260414.18	0.70	S	3.6	7	S
20260414.21	0.59	S	3.6	6	E
20260415.00	0.51	S	3.5	4	W
20260415.03	0.46	S	3.2	5	NW
20260415.06	0.43	S	2.9	4	NW
20260415.09	0.42	SE	2.7	4	N
20260415.12	0.42	SE	2.8	4	S
20260415.15	0.42	S	3.0	3	SE
20260415.18	0.42	S	3.1	5	E
20260415.21	0.44	SW	3.1	5	NE
20260416.00	0.43	NW	3.2	4	NW
20260416.03	0.43	N	3.1	5	W
20260416.06	0.47	NE	2.8	6	W
20260416.09	0.52	NE	2.8	3	N
20260416.12	0.54	N	3.0	7	SE
20260416.15	0.64	NW	3.3	7	SE
20260416.18	0.84	NW	3.7	4	E
20260416.21	1.04	NW	4.1	5	W
20260417.00	1.09	NW	4.1	12	NW
20260417.03	1.04	N	4.0	8	NW
20260417.06	0.90	NE	4.1	4	W
20260417.09	0.79	NE	4.2	7	S
20260417.12	0.82	N	4.0	9	SE
20260417.15	0.91	N	3.9	8	S
20260417.18	0.88	N	4.0	7	NE
20260417.21	0.78	N	4.0	5	NE
20260418.00	0.78	NE	4.1	6	NW
20260418.03	0.84	E	4.1	4	NW
20260418.06	0.79	E	4.3	2	E
20260418.09	0.74	E	4.4	5	SE
20260418.12	0.72	E	4.3	8	SE

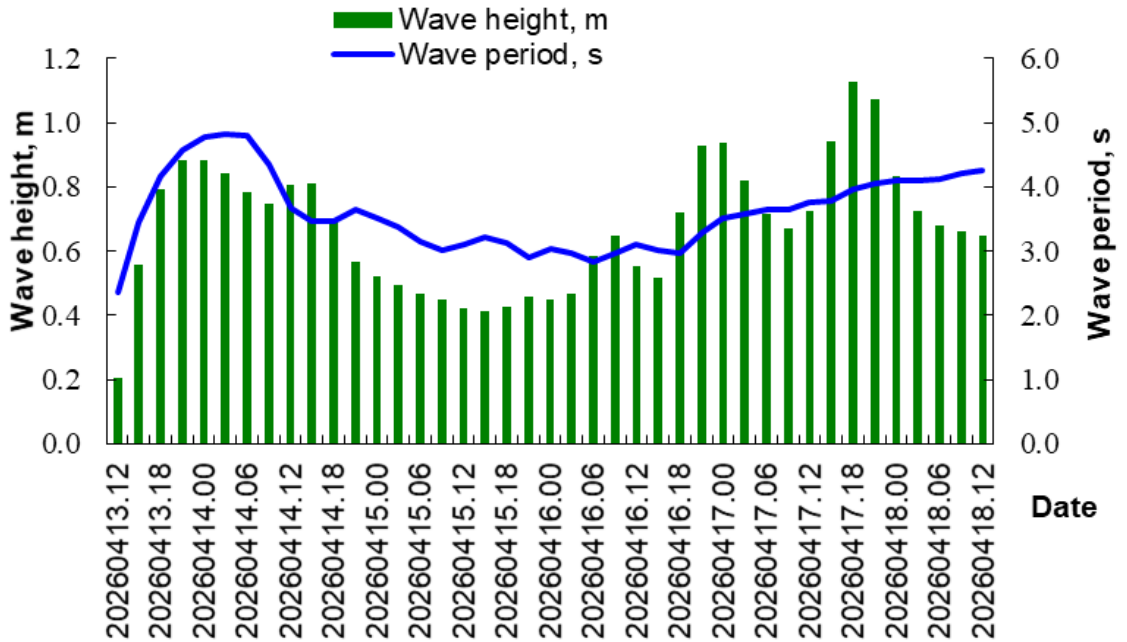


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260413.12	0.14	SE	2.1	0	W
20260413.15	0.47	S	3.5	1	E
20260413.18	0.75	S	4.2	3	SE
20260413.21	0.91	S	4.6	2	SE
20260414.00	0.94	S	4.9	2	S
20260414.03	0.88	S	4.9	3	SW
20260414.06	0.77	SW	4.8	4	N
20260414.09	0.67	SW	4.3	6	N
20260414.12	0.67	S	3.5	7	N
20260414.15	0.71	S	3.2	6	NW
20260414.18	0.62	S	3.2	7	S
20260414.21	0.49	S	3.2	6	E
20260415.00	0.44	S	2.8	5	NE
20260415.03	0.45	E	2.5	6	N
20260415.06	0.47	E	2.6	6	NW
20260415.09	0.44	SE	2.6	5	N
20260415.12	0.41	SE	2.8	3	S
20260415.15	0.43	S	3.0	4	SE
20260415.18	0.41	S	3.0	5	SE
20260415.21	0.42	W	2.9	6	S
20260416.00	0.43	N	2.9	4	NW
20260416.03	0.43	NE	3.0	4	W
20260416.06	0.42	NE	2.9	4	N
20260416.09	0.44	NE	2.8	6	NE
20260416.12	0.49	N	2.9	8	SE
20260416.15	0.54	NW	2.9	6	SE
20260416.18	0.61	NW	3.1	5	S
20260416.21	0.80	NW	3.6	7	NE
20260417.00	0.95	N	3.9	11	NW
20260417.03	0.99	N	4.0	8	NW
20260417.06	0.93	N	4.3	4	W
20260417.09	0.87	NE	4.4	4	SW
20260417.12	0.83	NE	4.4	6	S
20260417.15	0.85	N	4.1	7	E
20260417.18	0.91	N	3.8	8	E
20260417.21	0.84	N	3.7	6	NE
20260418.00	0.80	NE	3.9	6	NW
20260418.03	0.83	E	4.0	5	NW
20260418.06	0.76	E	4.2	4	SE
20260418.09	0.70	E	4.3	6	SE
20260418.12	0.76	NE	4.0	9	SE

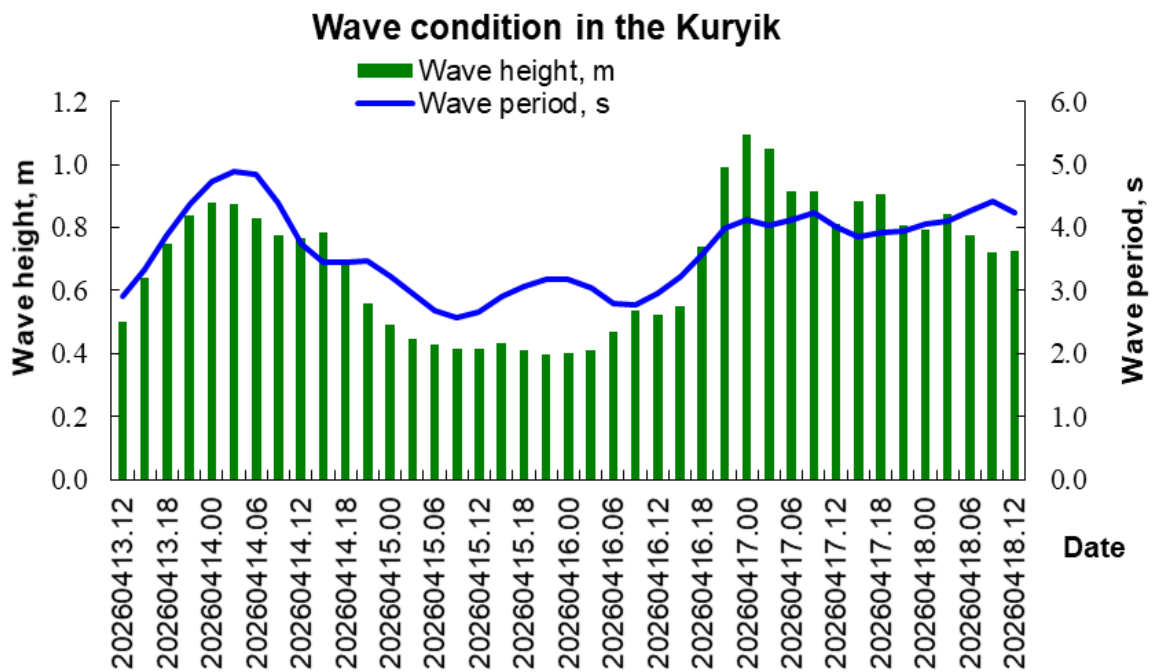
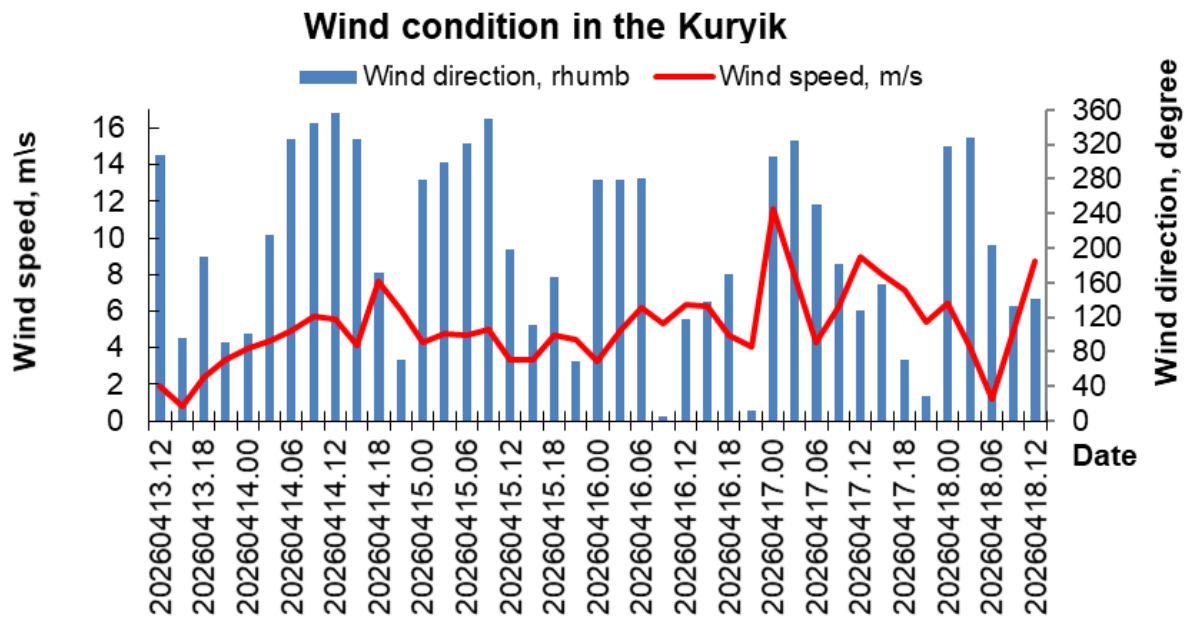
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260413.12	0.20	S	2.4	2	N
20260413.15	0.56	S	3.4	2	SW
20260413.18	0.79	SW	4.2	2	E
20260413.21	0.88	SW	4.6	3	SE
20260414.00	0.88	S	4.8	5	SE
20260414.03	0.84	S	4.8	5	SE
20260414.06	0.78	S	4.8	5	NW
20260414.09	0.75	S	4.3	6	N
20260414.12	0.80	S	3.7	7	W
20260414.15	0.81	S	3.5	6	N
20260414.18	0.69	SE	3.5	5	NE
20260414.21	0.57	SE	3.7	4	NE
20260415.00	0.52	SE	3.5	1	NW
20260415.03	0.50	SE	3.4	3	NW
20260415.06	0.47	SE	3.2	5	NW
20260415.09	0.45	SE	3.0	4	N
20260415.12	0.42	S	3.1	3	S
20260415.15	0.41	S	3.2	4	SE
20260415.18	0.43	SW	3.1	7	S
20260415.21	0.46	NW	2.9	5	E
20260416.00	0.45	NW	3.0	4	N
20260416.03	0.47	N	3.0	6	N
20260416.06	0.58	NE	2.8	8	N
20260416.09	0.65	NE	3.0	6	NE
20260416.12	0.55	NE	3.1	4	SE
20260416.15	0.52	N	3.0	7	S
20260416.18	0.72	N	3.0	10	S
20260416.21	0.93	N	3.3	9	NE
20260417.00	0.94	N	3.5	9	W
20260417.03	0.82	NE	3.6	8	NW
20260417.06	0.71	NE	3.6	6	N
20260417.09	0.67	E	3.7	6	SW
20260417.12	0.72	NE	3.8	10	SE
20260417.15	0.94	N	3.8	10	S
20260417.18	1.13	N	4.0	11	NE
20260417.21	1.07	N	4.0	8	NE
20260418.00	0.83	NE	4.1	5	NW
20260418.03	0.72	NE	4.1	5	W
20260418.06	0.68	NE	4.1	4	NE
20260418.09	0.66	E	4.2	5	S
20260418.12	0.65	E	4.3	5	SE



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260413.12	0.50	S	2.9	2	NW
20260413.15	0.64	S	3.3	1	E
20260413.18	0.75	S	3.9	2	S
20260413.21	0.84	S	4.4	3	E
20260414.00	0.88	S	4.7	4	E
20260414.03	0.88	S	4.9	4	SW
20260414.06	0.83	S	4.8	5	NW
20260414.09	0.77	S	4.4	6	N
20260414.12	0.76	S	3.7	6	N
20260414.15	0.78	S	3.4	4	NW
20260414.18	0.69	S	3.4	8	S
20260414.21	0.56	S	3.5	6	E
20260415.00	0.49	S	3.2	4	W
20260415.03	0.45	SE	2.9	5	NW
20260415.06	0.43	SE	2.7	5	NW
20260415.09	0.41	SE	2.6	5	N
20260415.12	0.42	SE	2.7	3	S
20260415.15	0.43	S	2.9	3	E
20260415.18	0.41	S	3.1	5	S
20260415.21	0.40	S	3.2	4	E
20260416.00	0.40	NW	3.2	3	W
20260416.03	0.41	N	3.0	5	W
20260416.06	0.47	E	2.8	6	W
20260416.09	0.54	E	2.8	5	N
20260416.12	0.52	NE	3.0	6	SE
20260416.15	0.55	NW	3.2	6	SE
20260416.18	0.74	NW	3.6	5	S
20260416.21	0.99	NW	4.0	4	N
20260417.00	1.10	NW	4.1	12	NW
20260417.03	1.05	N	4.0	8	NW
20260417.06	0.91	N	4.1	4	W
20260417.09	0.91	N	4.2	6	S
20260417.12	0.81	N	4.0	9	SE
20260417.15	0.89	N	3.8	8	SE
20260417.18	0.91	N	3.9	7	E
20260417.21	0.81	N	3.9	5	NE
20260418.00	0.79	NE	4.1	6	NW
20260418.03	0.84	E	4.1	4	NW
20260418.06	0.78	E	4.3	1	SW
20260418.09	0.72	E	4.4	5	SE
20260418.12	0.73	E	4.2	9	SE

**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: Kurmangalieva A.K.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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