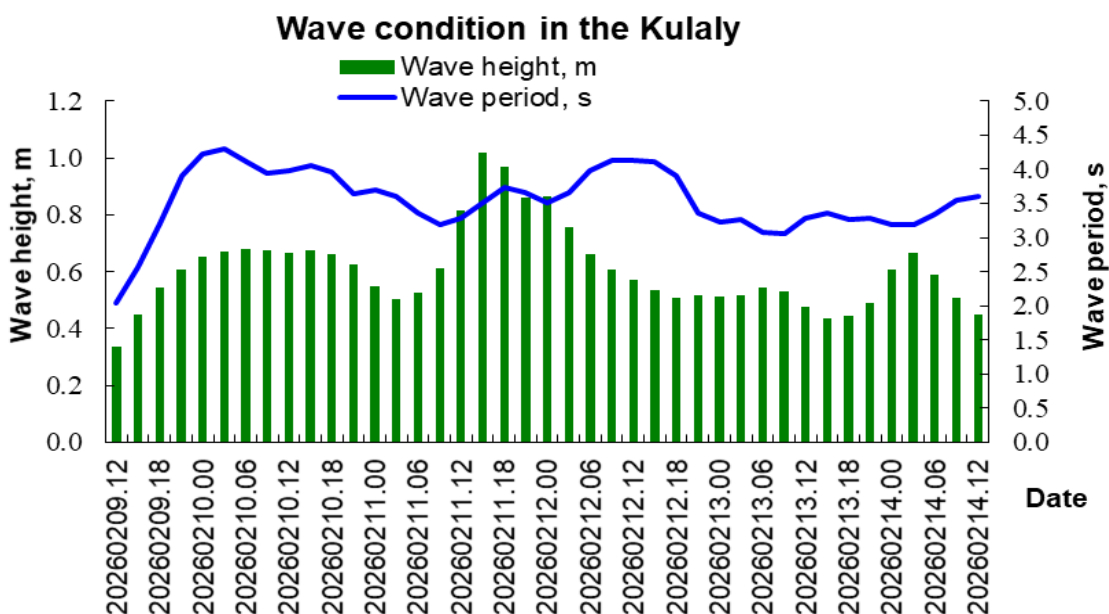
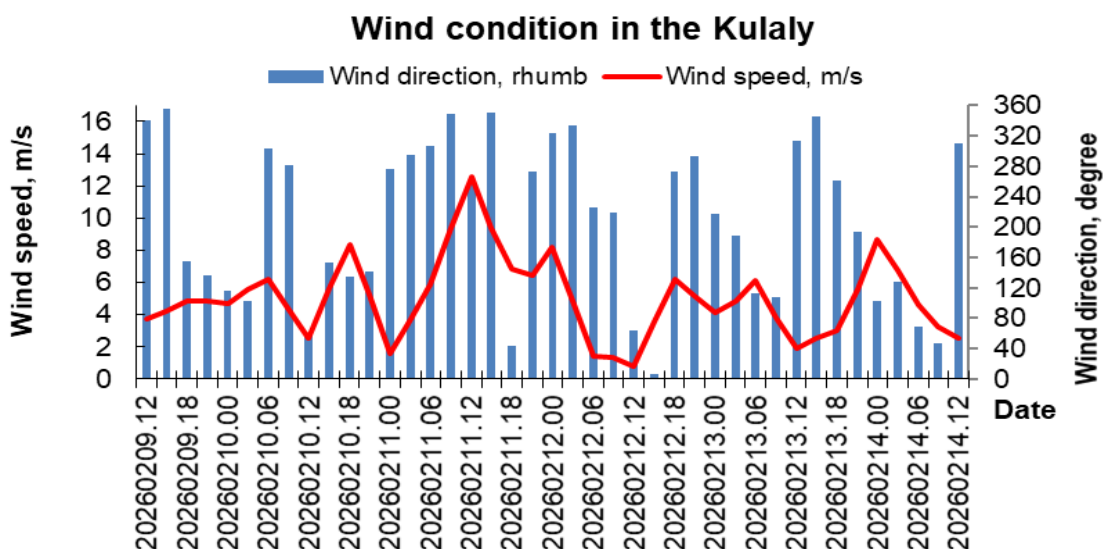




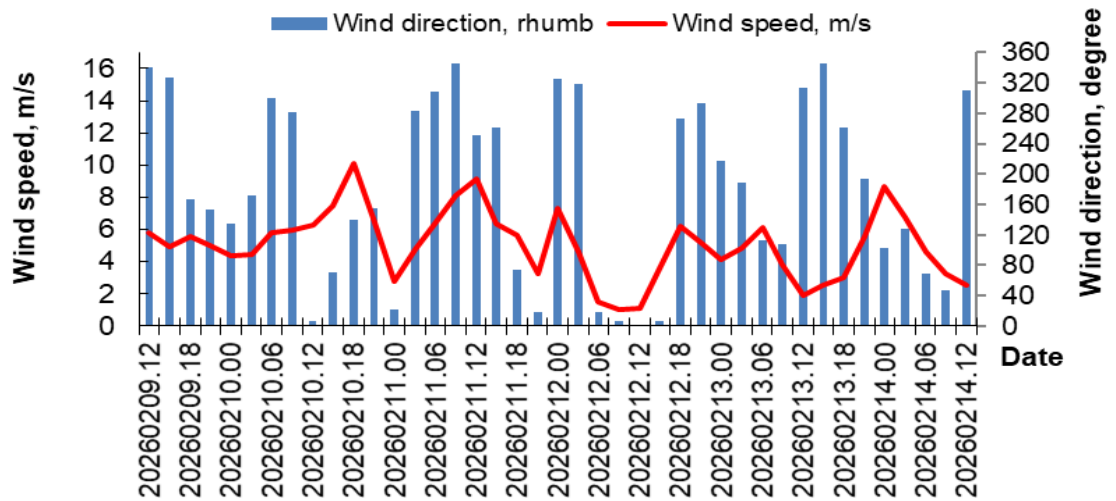
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period February 09 – 14, 2026 .**

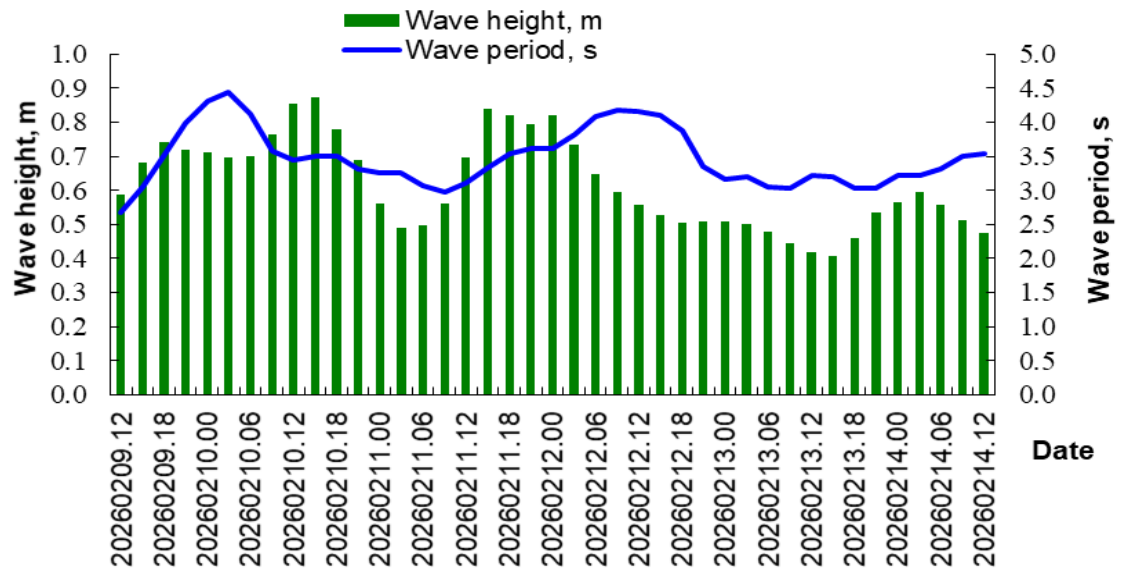


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260209.12	0.34	S	2.0	4	N
20260209.15	0.45	SE	2.6	4	N
20260209.18	0.54	SE	3.2	5	SE
20260209.21	0.61	SE	3.9	5	SE
20260210.00	0.65	SE	4.2	5	SE
20260210.03	0.67	SE	4.3	6	E
20260210.06	0.68	SE	4.1	6	NW
20260210.09	0.67	SE	3.9	4	W
20260210.12	0.66	SE	4.0	3	NE
20260210.15	0.67	SE	4.1	6	SE
20260210.18	0.66	SE	4.0	8	SE
20260210.21	0.63	E	3.6	5	SE
20260211.00	0.55	E	3.7	2	W
20260211.03	0.50	E	3.6	4	NW
20260211.06	0.53	E	3.4	6	NW
20260211.09	0.61	SE	3.2	9	N
20260211.12	0.81	SE	3.3	13	W
20260211.15	1.02	S	3.5	9	N
20260211.18	0.97	S	3.7	7	NE
20260211.21	0.86	SE	3.7	6	W
20260212.00	0.87	SE	3.5	8	NW
20260212.03	0.75	SE	3.7	5	NW
20260212.06	0.66	SE	4.0	1	SW
20260212.09	0.61	SE	4.1	1	SW
20260212.12	0.57	SE	4.1	1	NE
20260212.15	0.53	SE	4.1	4	N
20260212.18	0.51	SE	3.9	6	W
20260212.21	0.52	SE	3.4	5	NW
20260213.00	0.51	SE	3.2	4	SW
20260213.03	0.51	S	3.3	5	S
20260213.06	0.54	S	3.1	6	SE
20260213.09	0.53	SW	3.1	4	E
20260213.12	0.48	SW	3.3	2	NW
20260213.15	0.44	W	3.4	3	N
20260213.18	0.44	SW	3.3	3	W
20260213.21	0.49	S	3.3	6	S
20260214.00	0.61	SW	3.2	9	E
20260214.03	0.67	SW	3.2	7	SE
20260214.06	0.59	SW	3.3	5	E
20260214.09	0.51	SW	3.6	3	NE
20260214.12	0.45	SW	3.6	3	NW

Wind condition in the Fort-Shevchenko

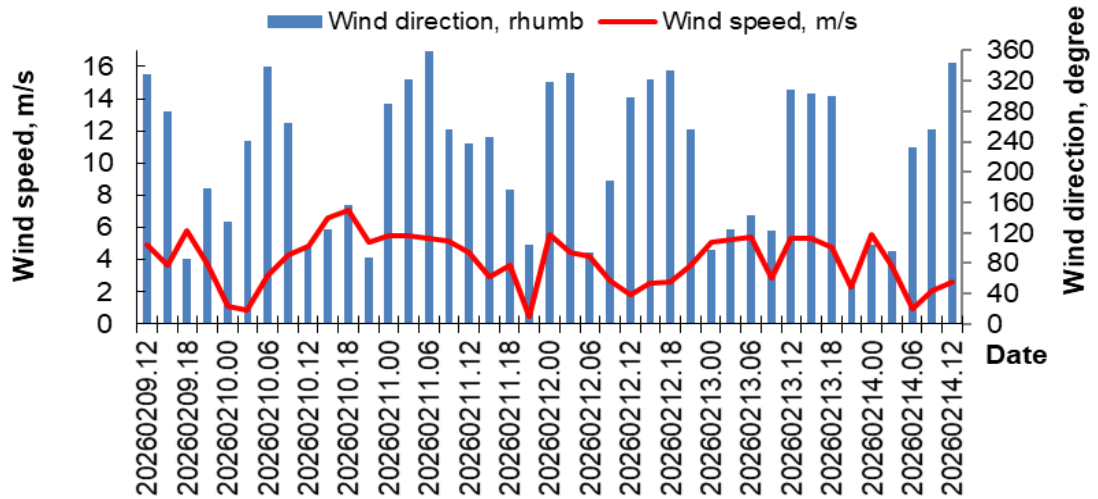


Wave condition in the Fort-Shevchenko

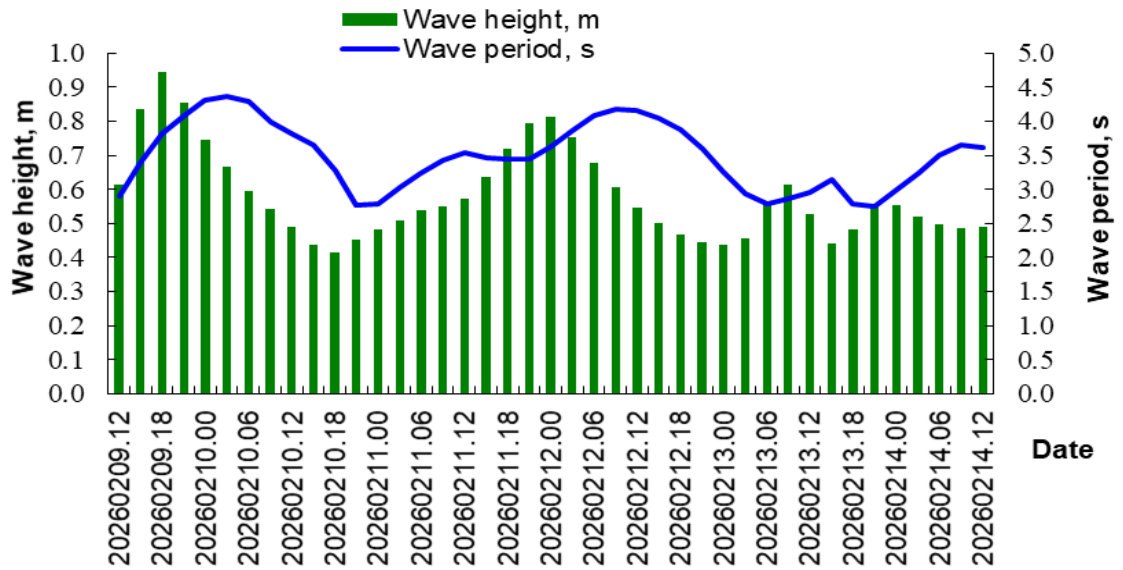


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260209.12	0.59	S	2.7	6	N
20260209.15	0.68	SE	3.0	5	NW
20260209.18	0.74	SE	3.5	6	S
20260209.21	0.72	SE	4.0	5	SE
20260210.00	0.71	SE	4.3	4	SE
20260210.03	0.70	SE	4.4	4	S
20260210.06	0.70	SE	4.1	6	NW
20260210.09	0.76	SE	3.6	6	W
20260210.12	0.85	SE	3.4	6	N
20260210.15	0.87	E	3.5	7	E
20260210.18	0.78	E	3.5	10	SE
20260210.21	0.69	NE	3.3	7	SE
20260211.00	0.56	NE	3.3	3	N
20260211.03	0.49	NE	3.3	5	W
20260211.06	0.50	E	3.1	6	NW
20260211.09	0.56	E	3.0	8	N
20260211.12	0.70	SE	3.1	9	W
20260211.15	0.84	S	3.3	6	W
20260211.18	0.82	SE	3.5	6	E
20260211.21	0.79	S	3.6	3	N
20260212.00	0.82	S	3.6	7	NW
20260212.03	0.73	S	3.8	5	NW
20260212.06	0.65	S	4.1	1	N
20260212.09	0.59	SE	4.2	1	N
20260212.12	0.56	SE	4.2	1	N
20260212.15	0.53	SE	4.1	4	N
20260212.18	0.50	SE	3.9	6	W
20260212.21	0.51	SE	3.4	5	NW
20260213.00	0.51	SE	3.2	4	SW
20260213.03	0.50	S	3.2	5	S
20260213.06	0.48	S	3.0	6	SE
20260213.09	0.45	SW	3.0	4	E
20260213.12	0.42	SW	3.2	2	NW
20260213.15	0.41	SW	3.2	3	N
20260213.18	0.46	S	3.0	3	W
20260213.21	0.53	S	3.0	6	S
20260214.00	0.56	S	3.2	9	E
20260214.03	0.59	SW	3.2	7	SE
20260214.06	0.56	SW	3.3	5	E
20260214.09	0.51	SW	3.5	3	NE
20260214.12	0.47	SW	3.5	3	NW

Wind condition in the Aktau

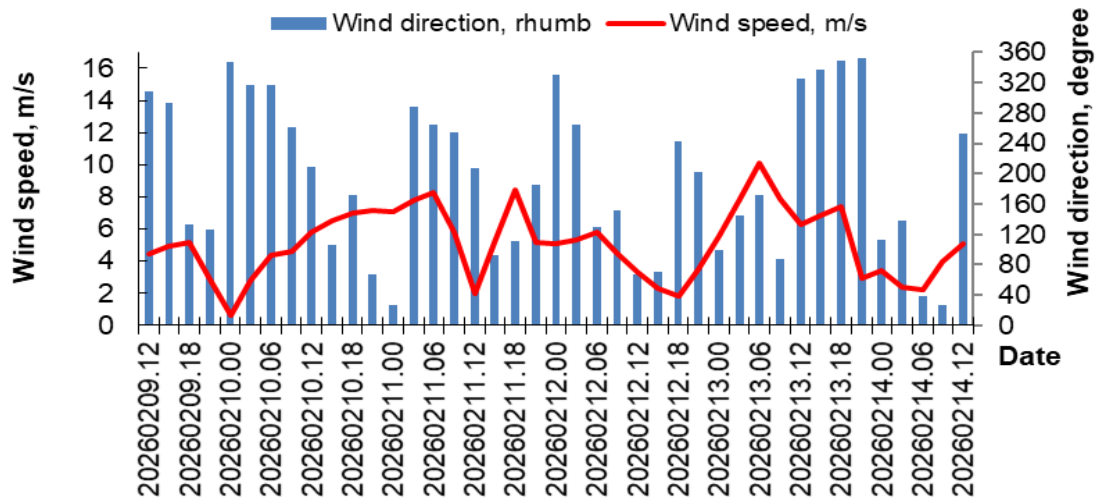


Wave condition in the Aktau

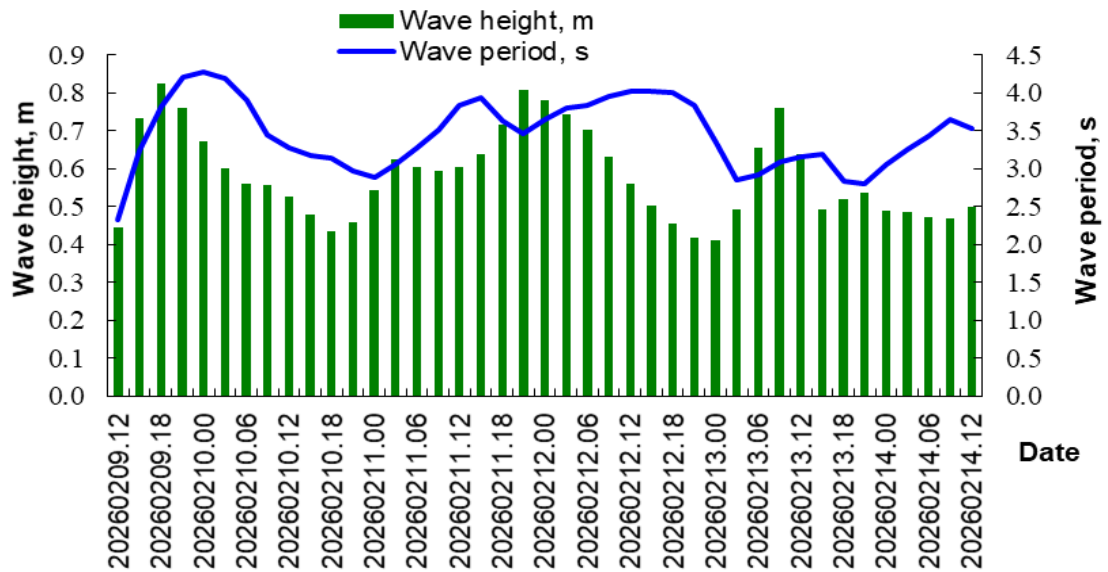


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260209.12	0.61	SE	2.9	5	NW
20260209.15	0.84	SE	3.4	4	W
20260209.18	0.94	SE	3.8	6	E
20260209.21	0.86	SE	4.1	4	S
20260210.00	0.75	SE	4.3	1	SE
20260210.03	0.66	SE	4.4	1	SW
20260210.06	0.59	SE	4.3	3	N
20260210.09	0.54	SE	4.0	4	W
20260210.12	0.49	SE	3.8	5	E
20260210.15	0.44	SE	3.6	7	SE
20260210.18	0.41	SE	3.3	7	SE
20260210.21	0.45	NE	2.8	5	E
20260211.00	0.48	NE	2.8	6	W
20260211.03	0.51	NE	3.0	5	NW
20260211.06	0.54	E	3.2	5	N
20260211.09	0.55	E	3.4	5	W
20260211.12	0.57	E	3.5	4	SW
20260211.15	0.64	E	3.5	3	SW
20260211.18	0.72	E	3.5	4	S
20260211.21	0.79	NE	3.4	0	E
20260212.00	0.81	SW	3.6	6	NW
20260212.03	0.75	SW	3.9	4	NW
20260212.06	0.68	S	4.1	4	E
20260212.09	0.61	S	4.2	3	S
20260212.12	0.55	S	4.2	2	NW
20260212.15	0.50	S	4.0	3	NW
20260212.18	0.47	SE	3.9	3	NW
20260212.21	0.45	SE	3.6	4	W
20260213.00	0.44	SW	3.3	5	E
20260213.03	0.46	W	2.9	5	SE
20260213.06	0.55	NW	2.8	5	SE
20260213.09	0.61	NW	2.9	3	SE
20260213.12	0.53	NW	3.0	5	NW
20260213.15	0.44	NW	3.1	5	NW
20260213.18	0.48	SW	2.8	5	NW
20260213.21	0.55	SE	2.7	2	NE
20260214.00	0.55	W	3.0	6	E
20260214.03	0.52	SW	3.2	4	E
20260214.06	0.50	SW	3.5	1	SW
20260214.09	0.49	SW	3.7	2	W
20260214.12	0.49	SW	3.6	3	N

Wind condition in the Peschanyi

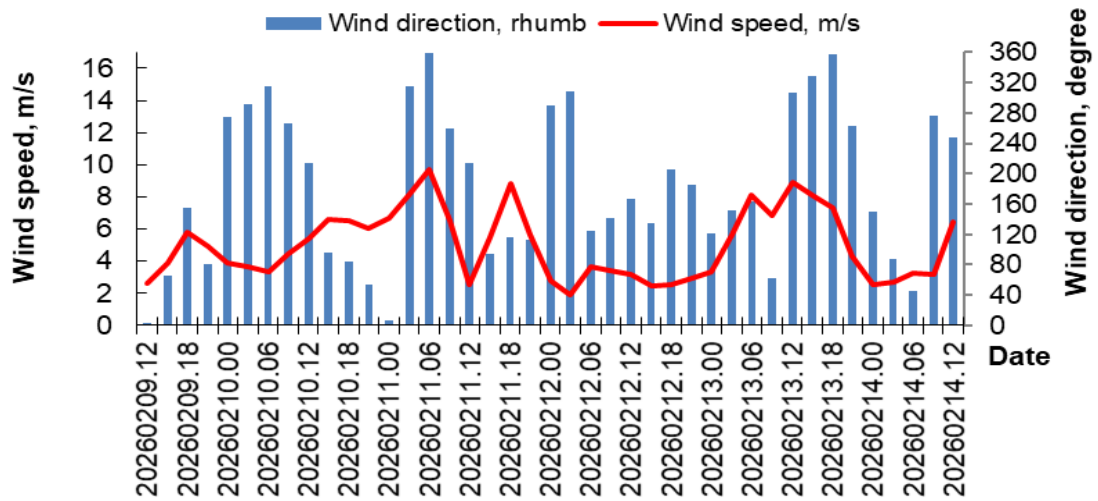


Wave condition in the Peschanyi

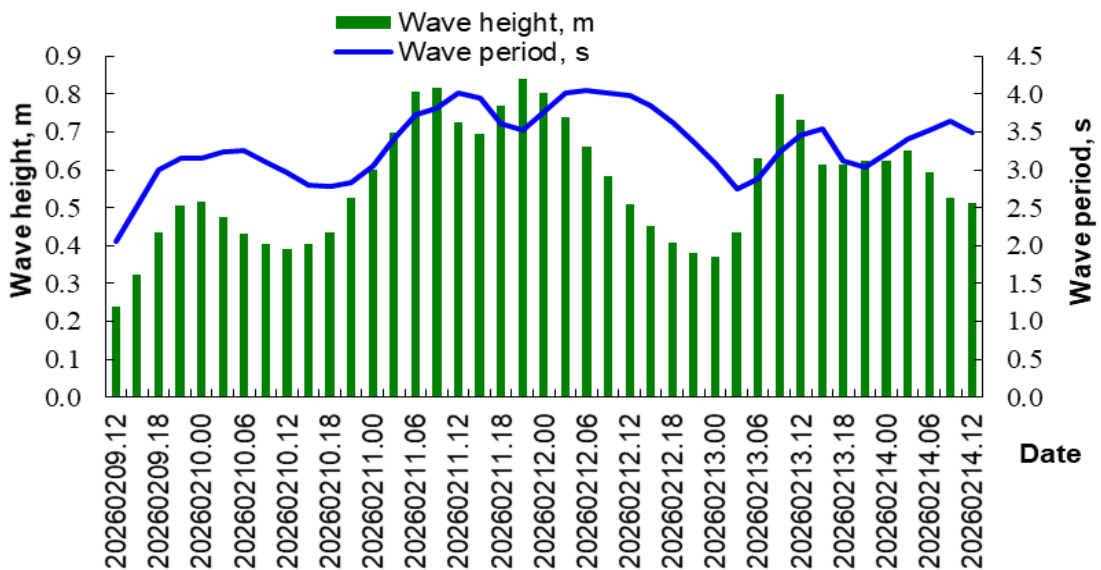


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260209.12	0.45	SE	2.3	4	NW
20260209.15	0.73	SE	3.2	5	NW
20260209.18	0.83	SE	3.8	5	SE
20260209.21	0.76	SE	4.2	3	SE
20260210.00	0.67	SE	4.3	1	N
20260210.03	0.60	SE	4.2	3	NW
20260210.06	0.56	S	3.9	4	NW
20260210.09	0.56	S	3.4	5	W
20260210.12	0.53	S	3.3	6	SW
20260210.15	0.48	S	3.2	7	E
20260210.18	0.43	S	3.1	7	S
20260210.21	0.46	NE	3.0	7	NE
20260211.00	0.55	NE	2.9	7	NE
20260211.03	0.62	NE	3.1	8	W
20260211.06	0.61	E	3.3	8	W
20260211.09	0.60	E	3.5	6	W
20260211.12	0.60	E	3.8	2	SW
20260211.15	0.64	E	3.9	5	E
20260211.18	0.72	NE	3.6	8	E
20260211.21	0.81	NW	3.5	5	S
20260212.00	0.78	W	3.6	5	NW
20260212.03	0.74	SW	3.8	5	W
20260212.06	0.70	SW	3.8	6	SE
20260212.09	0.63	SW	3.9	5	SE
20260212.12	0.56	SW	4.0	3	E
20260212.15	0.50	SW	4.0	2	E
20260212.18	0.45	SW	4.0	2	SW
20260212.21	0.42	SW	3.8	3	SW
20260213.00	0.41	W	3.3	6	E
20260213.03	0.49	W	2.9	8	SE
20260213.06	0.66	NW	2.9	10	S
20260213.09	0.76	NW	3.1	8	E
20260213.12	0.64	NW	3.2	6	NW
20260213.15	0.49	NW	3.2	7	N
20260213.18	0.52	SW	2.8	7	N
20260213.21	0.54	S	2.8	3	N
20260214.00	0.49	SW	3.1	3	SE
20260214.03	0.49	SW	3.3	2	SE
20260214.06	0.47	SW	3.4	2	NE
20260214.09	0.47	SW	3.7	4	NE
20260214.12	0.50	SW	3.5	5	W

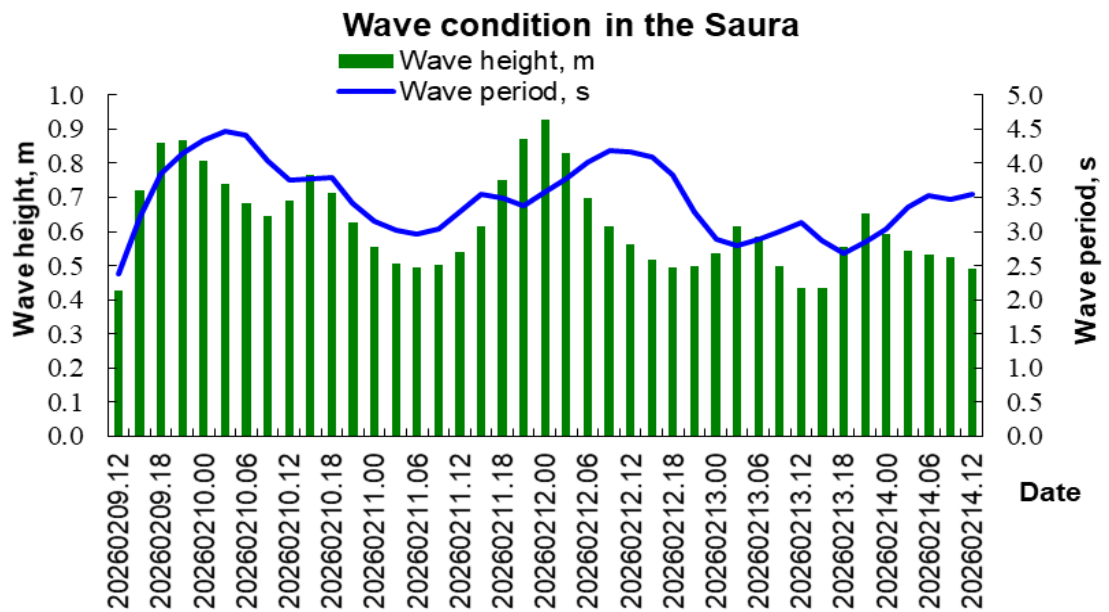
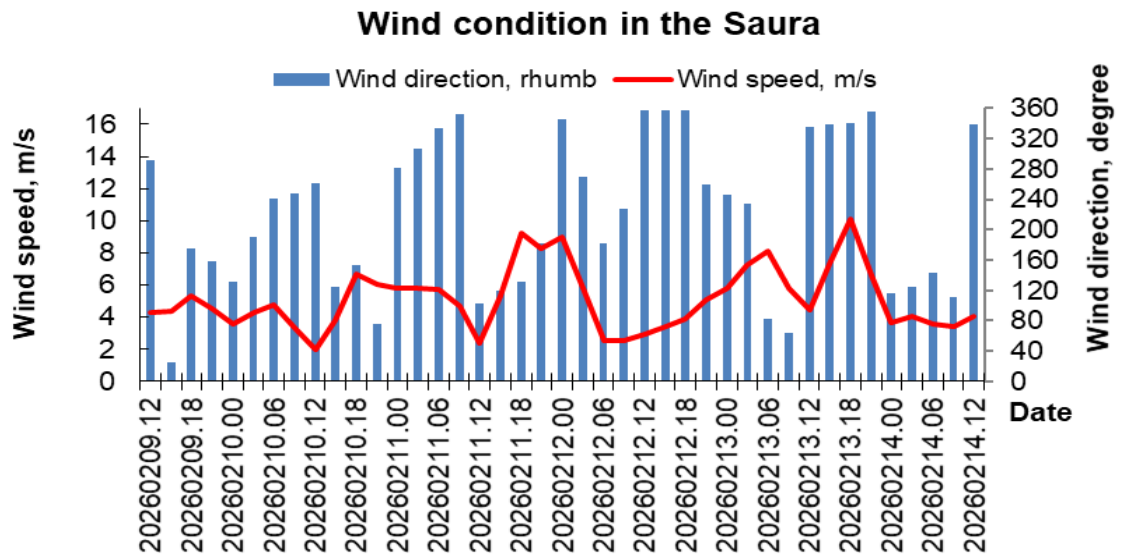
Wind condition in the Fetisovo



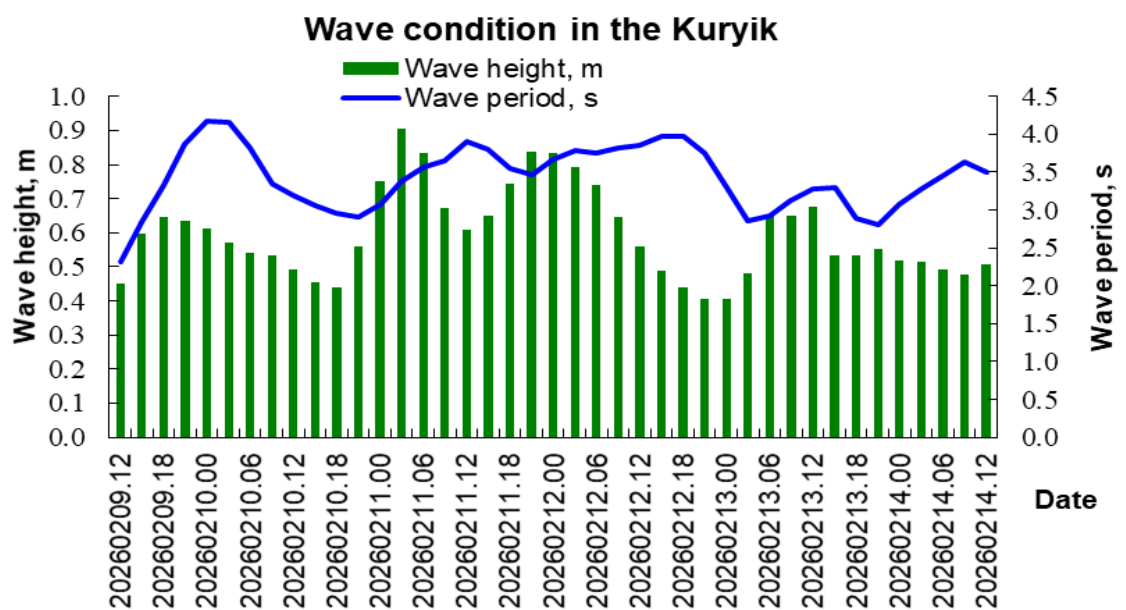
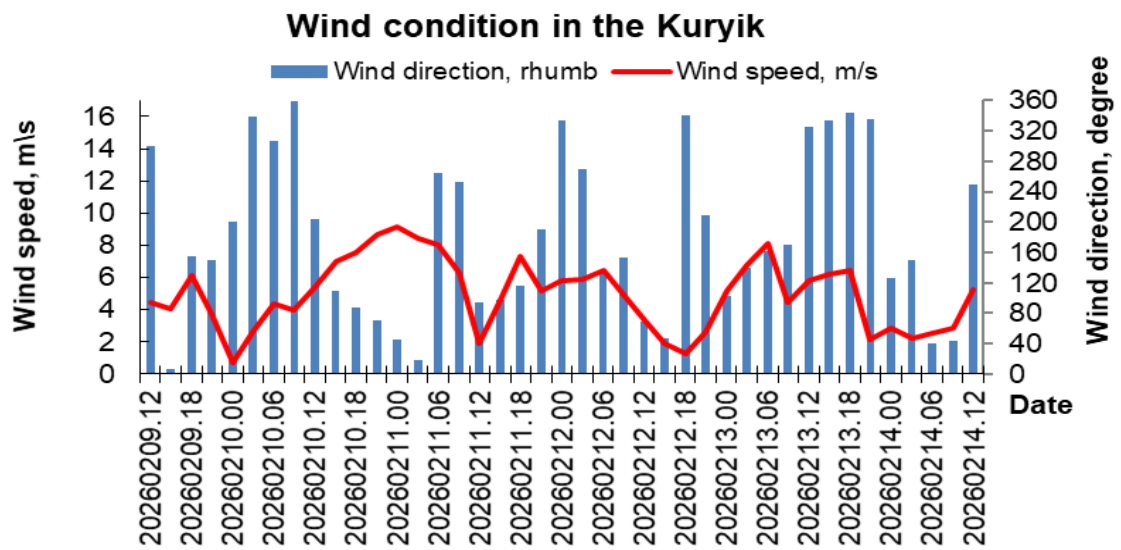
Wave condition in the Fetisovo



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260209.12	0.24	E	2.1	3	N
20260209.15	0.32	SE	2.5	4	NE
20260209.18	0.44	S	3.0	6	SE
20260209.21	0.51	S	3.1	5	E
20260210.00	0.51	S	3.2	4	W
20260210.03	0.48	S	3.2	4	W
20260210.06	0.43	S	3.3	3	NW
20260210.09	0.40	SE	3.1	4	W
20260210.12	0.39	SE	3.0	5	SW
20260210.15	0.40	SE	2.8	7	E
20260210.18	0.44	NE	2.8	6	E
20260210.21	0.53	NE	2.8	6	NE
20260211.00	0.60	NE	3.0	7	N
20260211.03	0.70	NE	3.4	8	NW
20260211.06	0.81	E	3.7	10	N
20260211.09	0.81	E	3.8	6	W
20260211.12	0.73	E	4.0	3	SW
20260211.15	0.70	E	3.9	5	E
20260211.18	0.77	NE	3.6	9	SE
20260211.21	0.84	NW	3.5	6	SE
20260212.00	0.80	NW	3.8	3	W
20260212.03	0.74	NW	4.0	2	NW
20260212.06	0.66	NW	4.0	4	SE
20260212.09	0.58	NW	4.0	3	SE
20260212.12	0.51	NW	4.0	3	S
20260212.15	0.45	NW	3.8	2	SE
20260212.18	0.41	NW	3.6	3	SW
20260212.21	0.38	NW	3.4	3	S
20260213.00	0.37	NW	3.1	3	SE
20260213.03	0.43	W	2.8	6	SE
20260213.06	0.63	NW	2.9	8	S
20260213.09	0.80	NW	3.2	7	NE
20260213.12	0.73	NW	3.5	9	NW
20260213.15	0.61	NW	3.5	8	NW
20260213.18	0.61	SW	3.1	7	N
20260213.21	0.62	S	3.0	4	W
20260214.00	0.62	SW	3.2	3	SE
20260214.03	0.65	W	3.4	3	E
20260214.06	0.59	W	3.5	3	NE
20260214.09	0.53	W	3.6	3	W
20260214.12	0.51	W	3.5	6	W



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260209.12	0.43	SE	2.4	4	W
20260209.15	0.72	SE	3.2	4	NE
20260209.18	0.86	SE	3.8	5	S
20260209.21	0.87	SE	4.2	5	S
20260210.00	0.81	SE	4.3	4	SE
20260210.03	0.74	SE	4.5	4	S
20260210.06	0.68	SE	4.4	5	SW
20260210.09	0.65	SE	4.0	3	W
20260210.12	0.69	SE	3.8	2	W
20260210.15	0.76	E	3.8	4	SE
20260210.18	0.71	E	3.8	7	SE
20260210.21	0.63	NE	3.4	6	E
20260211.00	0.56	NE	3.1	6	W
20260211.03	0.51	E	3.0	6	NW
20260211.06	0.50	E	3.0	6	NW
20260211.09	0.50	E	3.0	5	N
20260211.12	0.54	E	3.3	2	E
20260211.15	0.62	E	3.6	5	SE
20260211.18	0.75	E	3.5	9	SE
20260211.21	0.87	W	3.4	8	S
20260212.00	0.93	SW	3.6	9	N
20260212.03	0.83	S	3.8	6	W
20260212.06	0.70	S	4.0	3	S
20260212.09	0.62	S	4.2	3	SW
20260212.12	0.56	S	4.2	3	N
20260212.15	0.52	SE	4.1	3	N
20260212.18	0.49	SE	3.8	4	N
20260212.21	0.50	S	3.3	5	W
20260213.00	0.54	S	2.9	6	SW
20260213.03	0.61	S	2.8	7	SW
20260213.06	0.59	SW	2.9	8	E
20260213.09	0.50	W	3.0	6	NE
20260213.12	0.43	NW	3.1	4	NW
20260213.15	0.44	SW	2.9	7	N
20260213.18	0.55	S	2.7	10	N
20260213.21	0.65	S	2.9	7	N
20260214.00	0.59	S	3.0	4	SE
20260214.03	0.55	SW	3.4	4	SE
20260214.06	0.53	SW	3.5	4	SE
20260214.09	0.53	SW	3.5	3	E
20260214.12	0.49	SW	3.6	4	N



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260209.12	0.45	SE	2.3	4	NW
20260209.15	0.60	SE	2.8	4	N
20260209.18	0.65	SE	3.3	6	SE
20260209.21	0.64	SE	3.9	4	SE
20260210.00	0.61	SE	4.2	1	S
20260210.03	0.57	S	4.2	3	N
20260210.06	0.54	S	3.8	4	NW
20260210.09	0.53	S	3.3	4	N
20260210.12	0.49	S	3.2	5	SW
20260210.15	0.45	S	3.1	7	E
20260210.18	0.44	SE	3.0	8	E
20260210.21	0.56	NE	2.9	9	E
20260211.00	0.75	NE	3.1	9	NE
20260211.03	0.91	NE	3.4	8	N
20260211.06	0.83	NE	3.6	8	W
20260211.09	0.67	NE	3.6	6	W
20260211.12	0.61	E	3.9	2	E
20260211.15	0.65	E	3.8	5	E
20260211.18	0.75	NE	3.5	7	SE
20260211.21	0.84	NW	3.5	5	S
20260212.00	0.83	W	3.7	6	NW
20260212.03	0.79	SW	3.8	6	W
20260212.06	0.74	SW	3.8	6	SE
20260212.09	0.65	SW	3.8	5	SE
20260212.12	0.56	SW	3.9	3	E
20260212.15	0.49	SW	4.0	2	NE
20260212.18	0.44	SW	4.0	1	N
20260212.21	0.41	W	3.8	3	SW
20260213.00	0.41	W	3.3	5	E
20260213.03	0.48	W	2.9	7	SE
20260213.06	0.65	NW	2.9	8	S
20260213.09	0.65	NW	3.1	4	S
20260213.12	0.68	NW	3.3	6	NW
20260213.15	0.53	NW	3.3	6	NW
20260213.18	0.53	SW	2.9	6	N
20260213.21	0.55	S	2.8	2	NW
20260214.00	0.52	SW	3.1	3	SE
20260214.03	0.51	SW	3.3	2	SE
20260214.06	0.49	SW	3.4	3	NE
20260214.09	0.48	SW	3.6	3	NE
20260214.12	0.51	SW	3.5	5	W

**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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