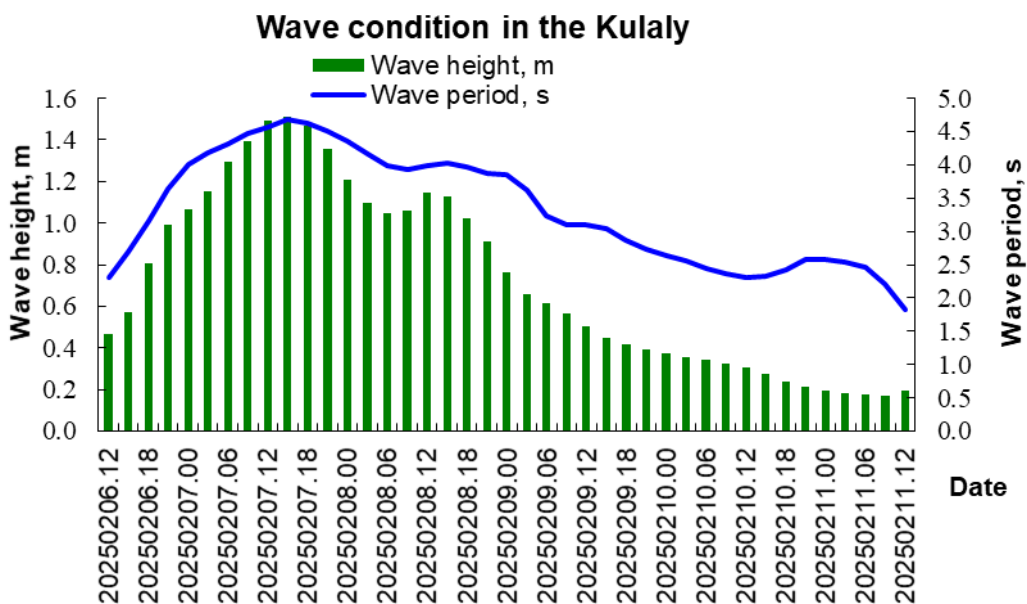
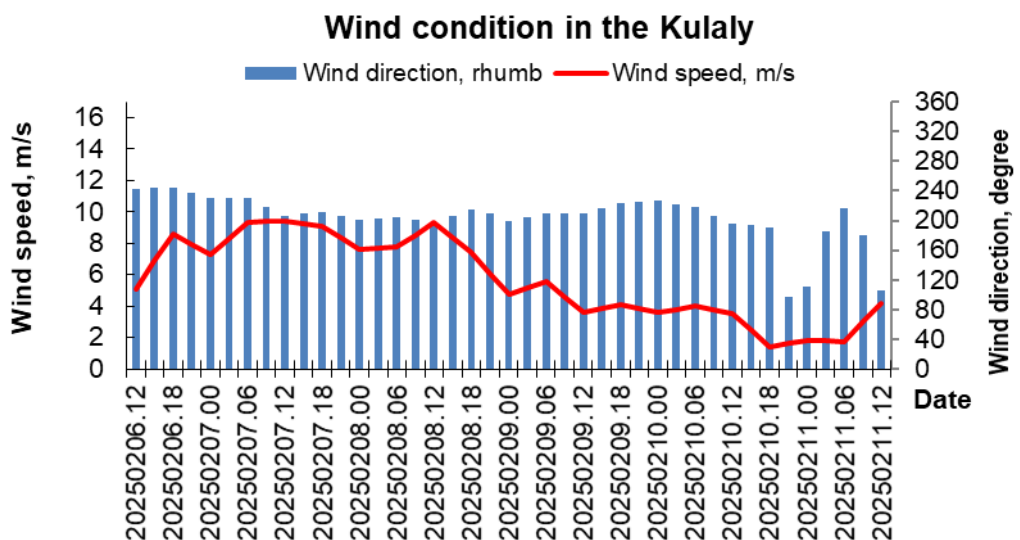




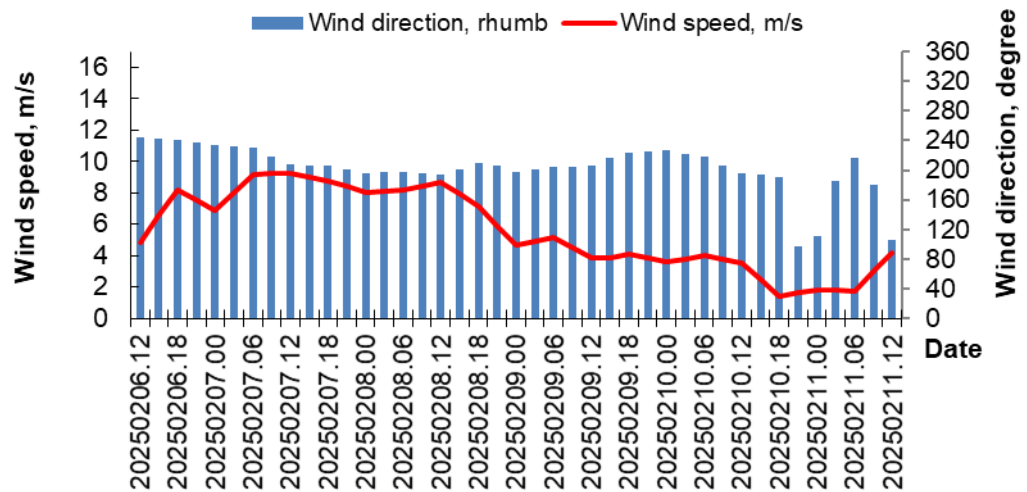
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
for the period February 06 - 11, 2025.**

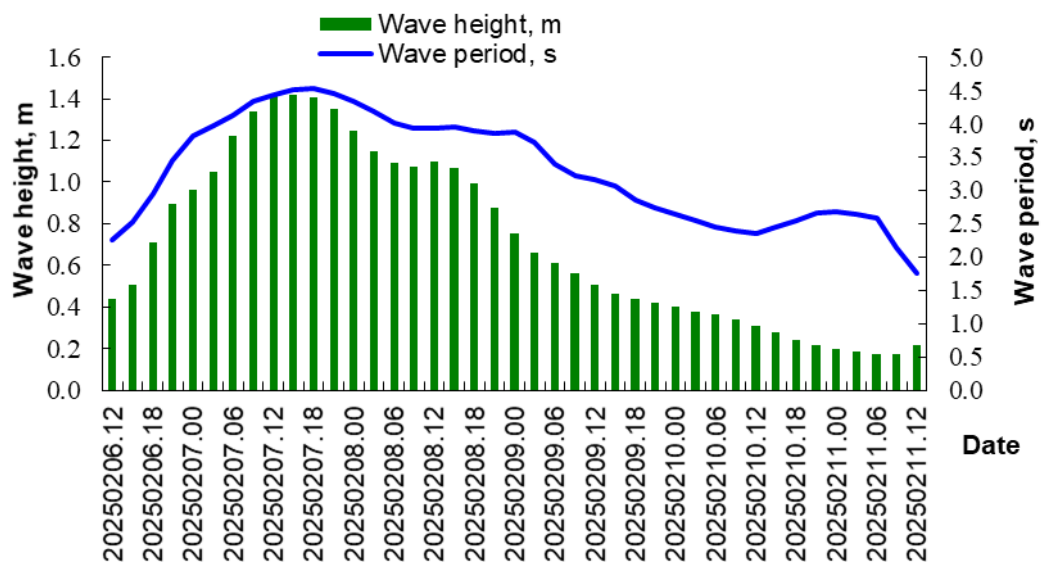


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250206.12	0.47	SW	2.3	5	SW
20250206.15	0.57	SW	2.7	7	SW
20250206.18	0.80	SW	3.2	9	SW
20250206.21	0.99	SW	3.6	8	SW
20250207.00	1.07	SW	4.0	7	SW
20250207.03	1.16	SW	4.2	8	SW
20250207.06	1.29	SW	4.3	9	SW
20250207.09	1.39	SW	4.5	9	SW
20250207.12	1.49	SW	4.6	9	SW
20250207.15	1.51	SW	4.7	9	SW
20250207.18	1.47	SW	4.6	9	SW
20250207.21	1.36	SW	4.5	8	SW
20250208.00	1.21	SW	4.4	8	S
20250208.03	1.09	SW	4.2	8	SW
20250208.06	1.05	SW	4.0	8	SW
20250208.09	1.06	SW	3.9	9	S
20250208.12	1.15	SW	4.0	9	S
20250208.15	1.13	SW	4.0	8	SW
20250208.18	1.02	SW	4.0	7	SW
20250208.21	0.91	SW	3.9	6	SW
20250209.00	0.76	SW	3.9	5	S
20250209.03	0.66	SW	3.6	5	SW
20250209.06	0.62	SW	3.2	6	SW
20250209.09	0.57	SW	3.1	5	SW
20250209.12	0.50	SW	3.1	4	SW
20250209.15	0.45	SW	3.0	4	SW
20250209.18	0.41	SW	2.9	4	SW
20250209.21	0.39	SW	2.7	4	SW
20250210.00	0.38	SW	2.6	4	SW
20250210.03	0.36	SW	2.6	4	SW
20250210.06	0.34	SW	2.4	4	SW
20250210.09	0.32	SW	2.4	4	SW
20250210.12	0.30	SW	2.3	4	S
20250210.15	0.27	SW	2.3	2	S
20250210.18	0.24	SW	2.4	1	S
20250210.21	0.21	SW	2.6	2	E
20250211.00	0.19	SW	2.6	2	E
20250211.03	0.18	SW	2.5	2	S
20250211.06	0.17	SW	2.5	2	SW
20250211.09	0.17	SW	2.2	3	S
20250211.12	0.19	SW	1.8	4	E

Wind condition in the Fort-Shevchenko

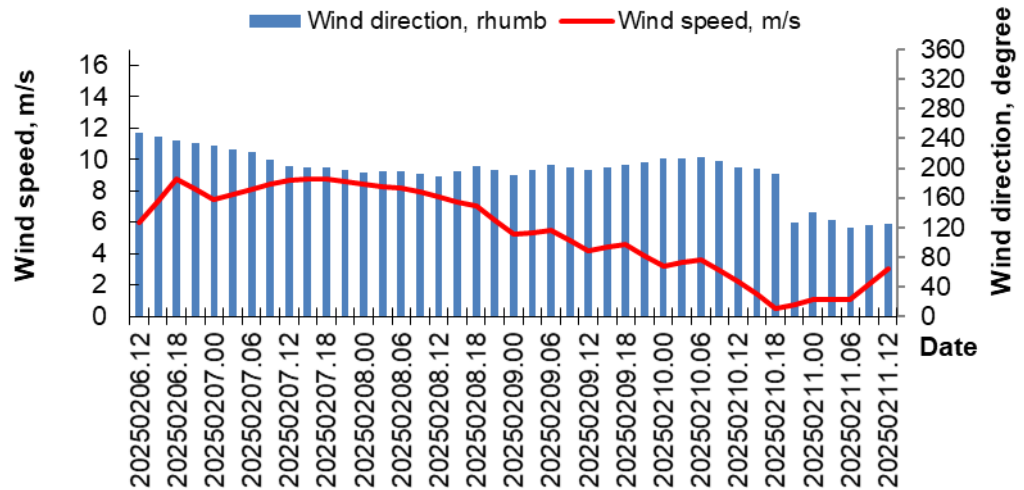


Wave condition in the Fort-Shevchenko

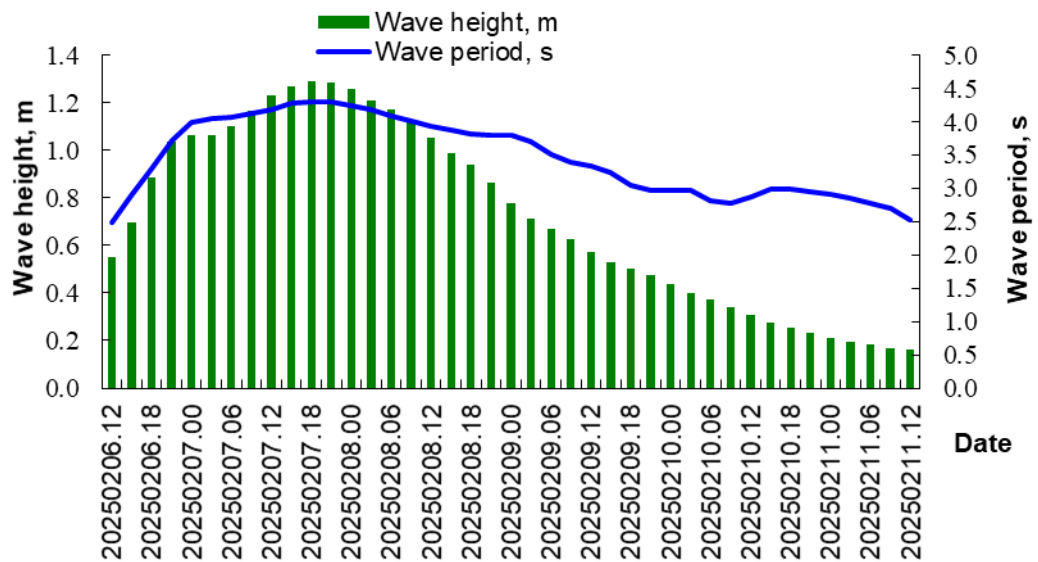


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250206.12	0.44	SW	2.3	5	SW
20250206.15	0.51	SW	2.5	7	SW
20250206.18	0.71	SW	2.9	8	SW
20250206.21	0.89	SW	3.5	8	SW
20250207.00	0.96	SW	3.8	7	SW
20250207.03	1.05	SW	4.0	8	SW
20250207.06	1.22	SW	4.1	9	SW
20250207.09	1.34	SW	4.3	9	SW
20250207.12	1.41	SW	4.4	9	SW
20250207.15	1.42	SW	4.5	9	SW
20250207.18	1.41	SW	4.5	9	SW
20250207.21	1.35	SW	4.5	8	S
20250208.00	1.25	SW	4.3	8	S
20250208.03	1.15	SW	4.2	8	S
20250208.06	1.09	SW	4.0	8	S
20250208.09	1.07	SW	3.9	8	S
20250208.12	1.10	W	3.9	9	S
20250208.15	1.07	W	3.9	8	S
20250208.18	0.99	W	3.9	7	SW
20250208.21	0.88	W	3.9	6	SW
20250209.00	0.75	W	3.9	5	S
20250209.03	0.66	W	3.7	5	S
20250209.06	0.61	W	3.4	5	SW
20250209.09	0.56	W	3.2	4	SW
20250209.12	0.51	W	3.2	4	SW
20250209.15	0.46	SW	3.1	4	SW
20250209.18	0.44	SW	2.9	4	SW
20250209.21	0.42	SW	2.7	4	SW
20250210.00	0.40	SW	2.6	4	SW
20250210.03	0.38	SW	2.6	4	SW
20250210.06	0.36	SW	2.4	4	SW
20250210.09	0.34	SW	2.4	4	SW
20250210.12	0.31	SW	2.4	4	S
20250210.15	0.28	SW	2.4	2	S
20250210.18	0.24	SW	2.6	1	S
20250210.21	0.22	SW	2.7	2	E
20250211.00	0.20	SW	2.7	2	E
20250211.03	0.18	SW	2.6	2	S
20250211.06	0.17	SW	2.6	2	SW
20250211.09	0.18	W	2.1	3	S
20250211.12	0.22	W	1.8	4	E

Wind condition in the Aktau

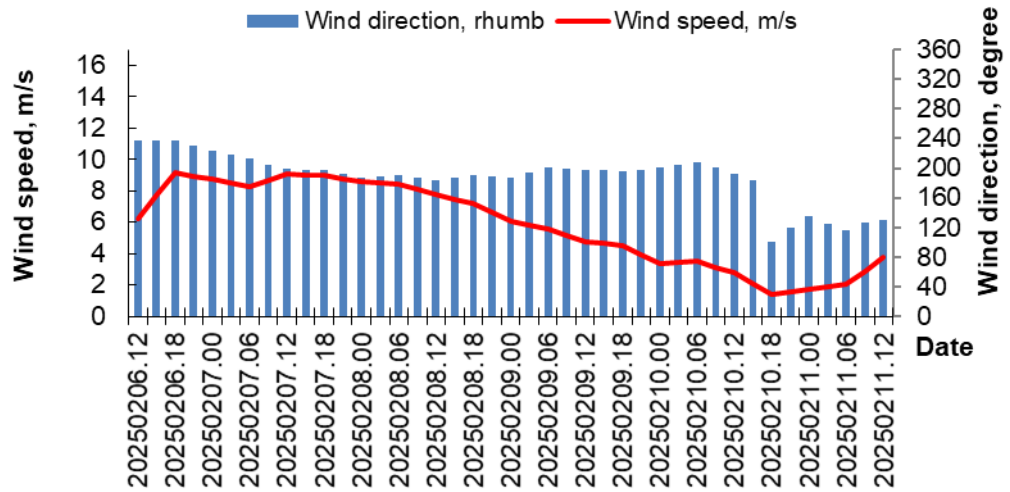


Wave condition in the Aktau

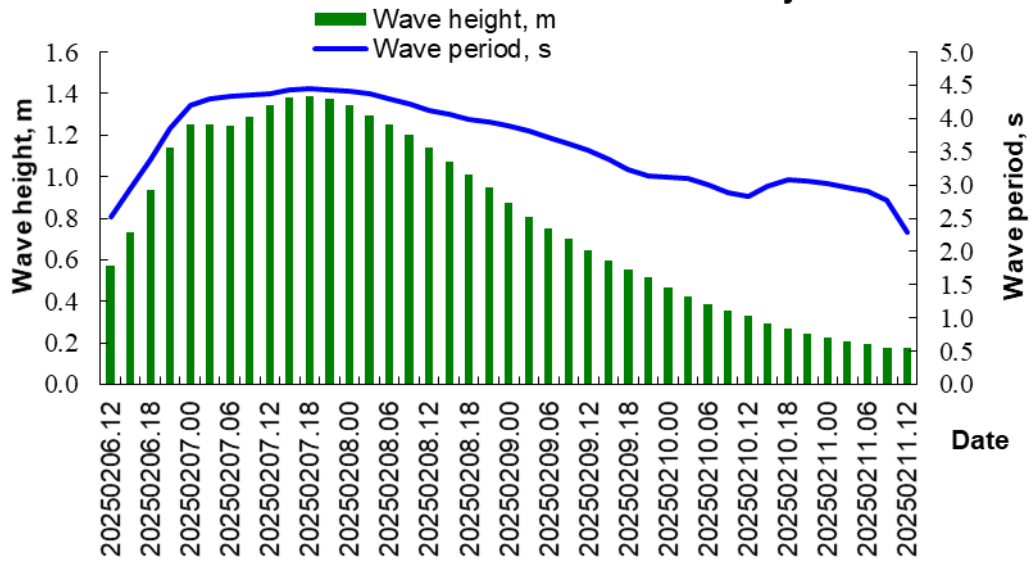


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250206.12	0.55	S	2.5	6	W
20250206.15	0.70	S	2.9	7	SW
20250206.18	0.88	S	3.3	9	SW
20250206.21	1.04	SW	3.7	8	SW
20250207.00	1.06	S	4.0	7	SW
20250207.03	1.06	S	4.0	8	SW
20250207.06	1.10	SW	4.1	8	SW
20250207.09	1.16	SW	4.1	8	SW
20250207.12	1.23	SW	4.2	9	S
20250207.15	1.27	SW	4.3	9	S
20250207.18	1.29	SW	4.3	9	S
20250207.21	1.28	SW	4.3	9	S
20250208.00	1.26	SW	4.3	8	S
20250208.03	1.21	SW	4.2	8	S
20250208.06	1.17	W	4.1	8	S
20250208.09	1.12	W	4.0	8	S
20250208.12	1.05	W	3.9	8	S
20250208.15	0.99	W	3.9	7	S
20250208.18	0.94	W	3.8	7	SW
20250208.21	0.87	W	3.8	6	S
20250209.00	0.78	W	3.8	5	S
20250209.03	0.71	W	3.7	5	S
20250209.06	0.67	W	3.5	6	SW
20250209.09	0.63	W	3.4	5	S
20250209.12	0.57	W	3.3	4	S
20250209.15	0.53	W	3.2	4	S
20250209.18	0.50	W	3.1	5	SW
20250209.21	0.47	W	3.0	4	SW
20250210.00	0.44	W	3.0	3	SW
20250210.03	0.40	W	3.0	3	SW
20250210.06	0.37	W	2.8	4	SW
20250210.09	0.34	W	2.8	3	SW
20250210.12	0.31	W	2.9	2	S
20250210.15	0.28	W	3.0	1	S
20250210.18	0.25	W	3.0	1	S
20250210.21	0.23	W	3.0	1	SE
20250211.00	0.21	W	2.9	1	SE
20250211.03	0.19	W	2.8	1	SE
20250211.06	0.18	W	2.8	1	SE
20250211.09	0.17	W	2.7	2	SE
20250211.12	0.16	W	2.5	3	SE

Wind condition in the Peschanyi

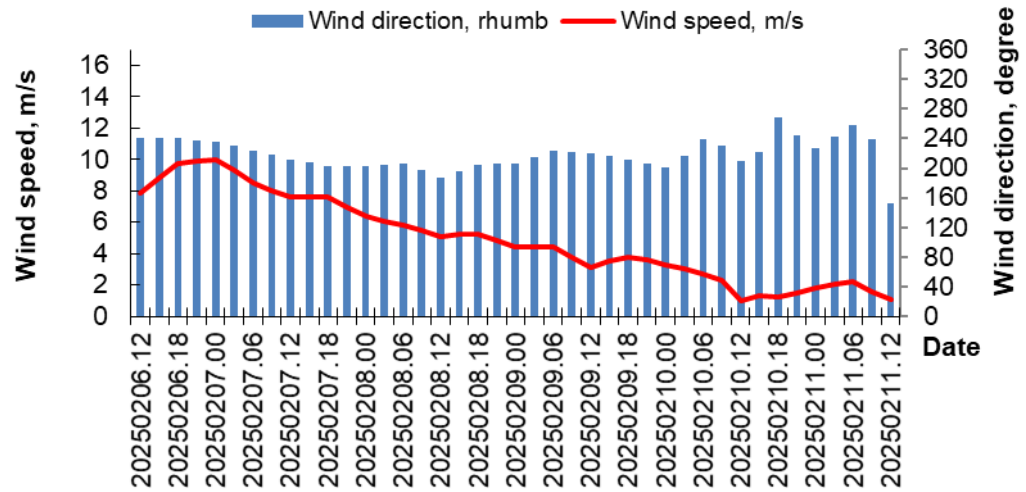


Wave condition in the Peschanyi

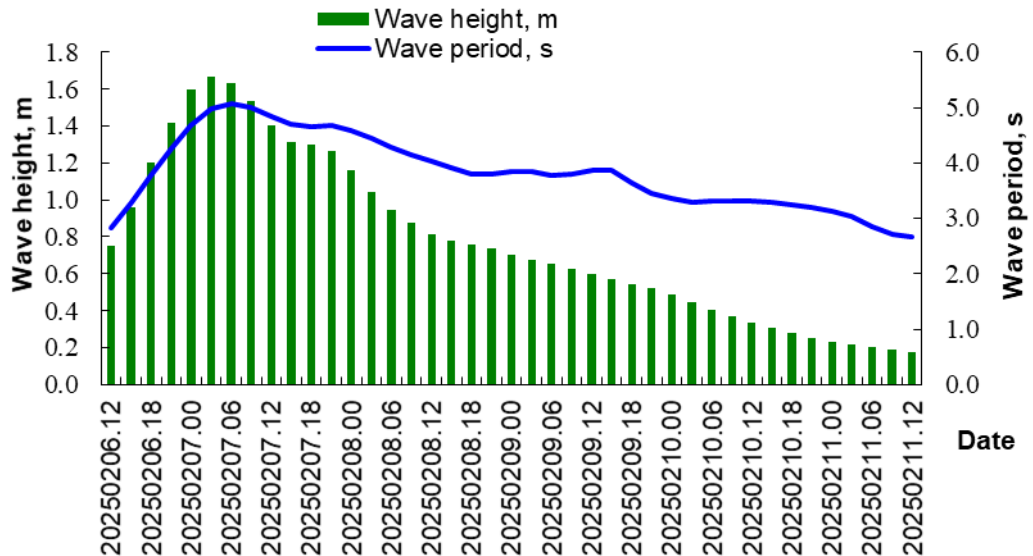


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250206.12	0.57	SW	2.5	6	SW
20250206.15	0.73	SW	3.0	8	SW
20250206.18	0.94	SW	3.4	9	SW
20250206.21	1.14	SW	3.9	9	SW
20250207.00	1.25	SW	4.2	9	SW
20250207.03	1.25	SW	4.3	9	SW
20250207.06	1.25	SW	4.3	8	SW
20250207.09	1.29	SW	4.4	9	SW
20250207.12	1.35	SW	4.4	9	S
20250207.15	1.38	SW	4.4	9	S
20250207.18	1.39	SW	4.4	9	S
20250207.21	1.38	SW	4.4	9	S
20250208.00	1.35	SW	4.4	9	S
20250208.03	1.30	W	4.4	8	S
20250208.06	1.25	W	4.3	8	S
20250208.09	1.20	W	4.2	8	S
20250208.12	1.14	W	4.1	8	S
20250208.15	1.07	W	4.1	7	S
20250208.18	1.01	W	4.0	7	S
20250208.21	0.95	W	3.9	7	S
20250209.00	0.88	W	3.9	6	S
20250209.03	0.81	W	3.8	6	S
20250209.06	0.75	W	3.7	6	S
20250209.09	0.70	W	3.6	5	S
20250209.12	0.65	W	3.5	5	S
20250209.15	0.60	W	3.4	5	S
20250209.18	0.56	W	3.2	5	S
20250209.21	0.51	W	3.1	4	S
20250210.00	0.47	W	3.1	3	S
20250210.03	0.42	W	3.1	3	SW
20250210.06	0.39	W	3.0	4	SW
20250210.09	0.36	W	2.9	3	S
20250210.12	0.33	W	2.8	3	S
20250210.15	0.30	W	3.0	2	S
20250210.18	0.27	W	3.1	1	E
20250210.21	0.24	W	3.1	2	SE
20250211.00	0.23	W	3.0	2	SE
20250211.03	0.21	W	3.0	2	SE
20250211.06	0.19	W	2.9	2	SE
20250211.09	0.18	W	2.8	3	SE
20250211.12	0.18	W	2.3	4	SE

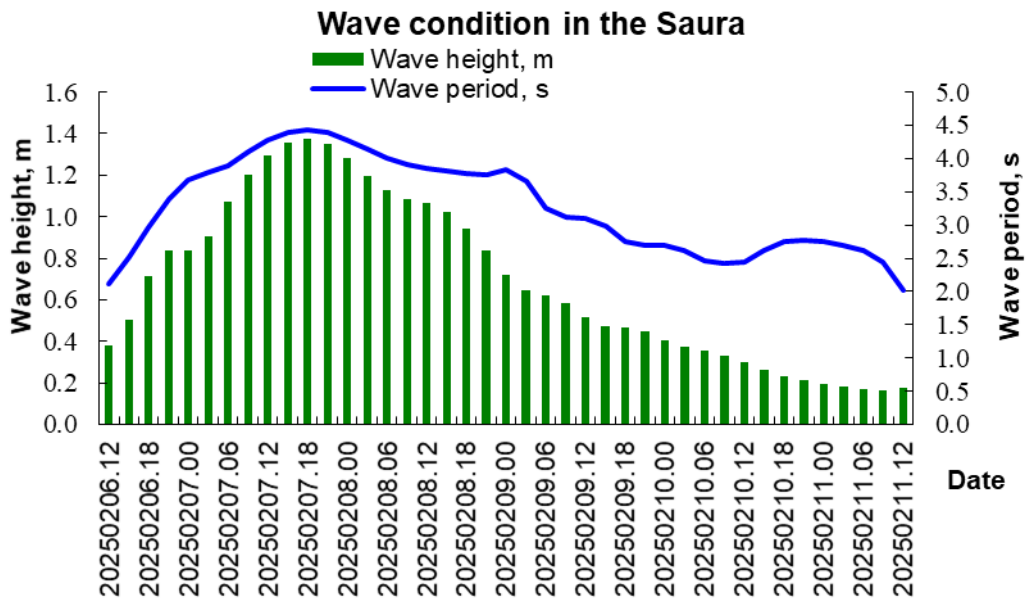
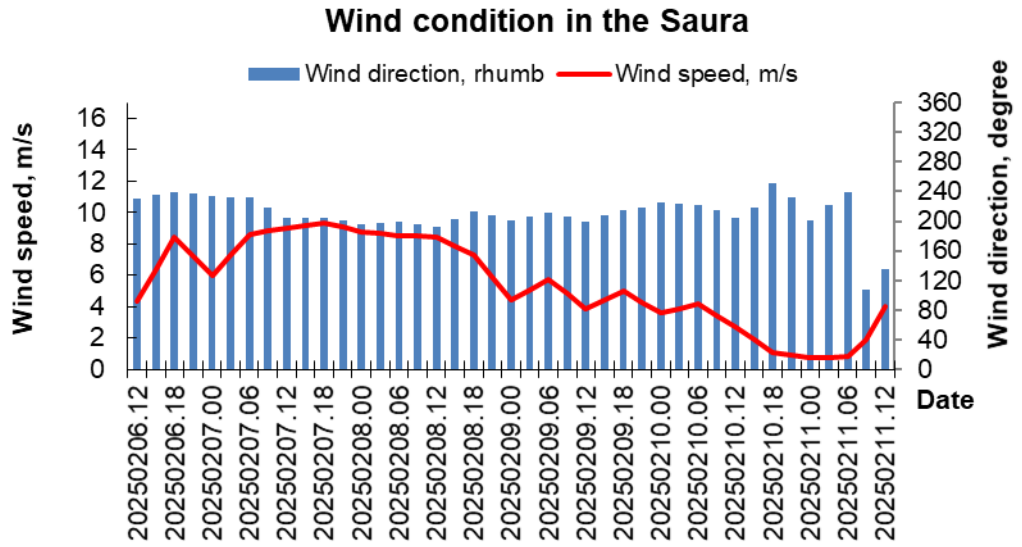
Wind condition in the Fetisovo



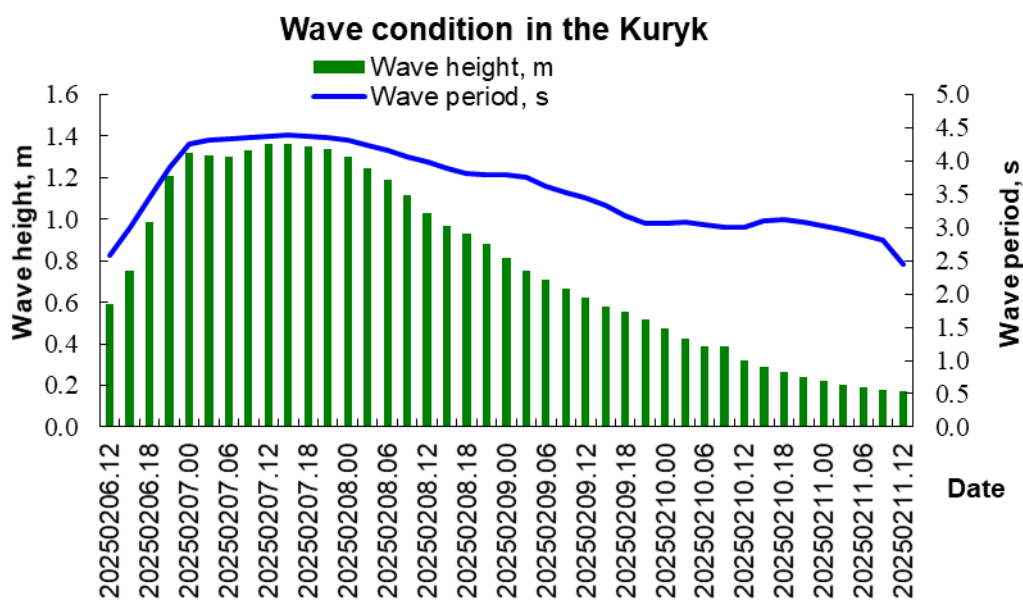
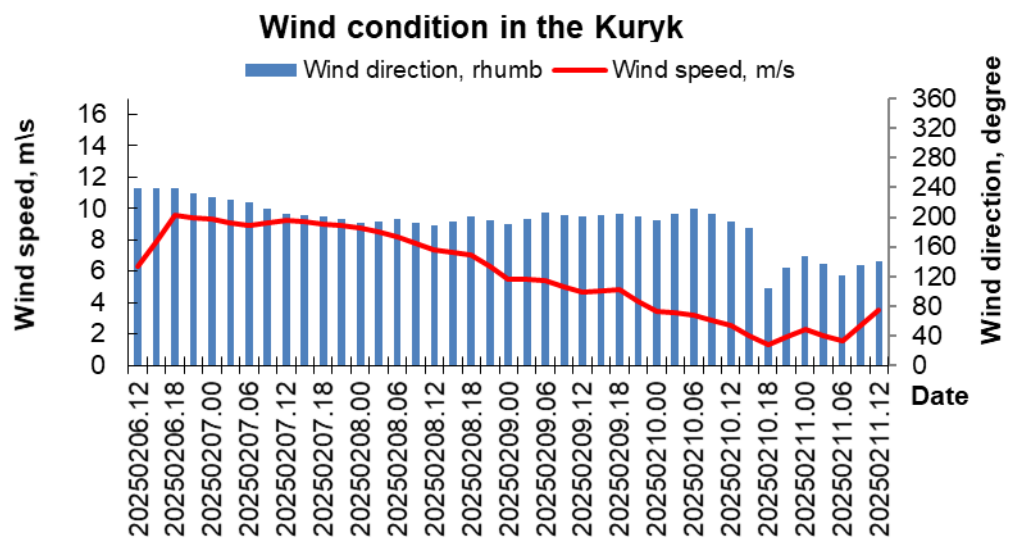
Wave condition in the Fetisovo



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250206.12	0.75	SW	2.8	8	SW
20250206.15	0.96	SW	3.3	9	SW
20250206.18	1.20	SW	3.8	10	SW
20250206.21	1.41	SW	4.3	10	SW
20250207.00	1.60	SW	4.7	10	SW
20250207.03	1.67	SW	5.0	9	SW
20250207.06	1.64	SW	5.1	9	SW
20250207.09	1.53	SW	5.0	8	SW
20250207.12	1.40	SW	4.8	8	SW
20250207.15	1.31	SW	4.7	8	SW
20250207.18	1.30	SW	4.7	8	SW
20250207.21	1.26	SW	4.7	7	SW
20250208.00	1.16	SW	4.6	6	S
20250208.03	1.04	SW	4.5	6	SW
20250208.06	0.94	W	4.3	6	SW
20250208.09	0.87	W	4.1	5	S
20250208.12	0.82	W	4.0	5	S
20250208.15	0.78	W	3.9	5	S
20250208.18	0.76	W	3.8	5	SW
20250208.21	0.74	W	3.8	5	SW
20250209.00	0.71	W	3.8	4	SW
20250209.03	0.68	W	3.8	4	SW
20250209.06	0.65	W	3.8	4	SW
20250209.09	0.63	W	3.8	4	SW
20250209.12	0.60	W	3.9	3	SW
20250209.15	0.57	NW	3.9	3	SW
20250209.18	0.55	NW	3.6	4	SW
20250209.21	0.52	W	3.5	4	SW
20250210.00	0.49	W	3.4	3	S
20250210.03	0.45	W	3.3	3	SW
20250210.06	0.41	W	3.3	3	SW
20250210.09	0.37	W	3.3	2	SW
20250210.12	0.34	W	3.3	1	SW
20250210.15	0.31	W	3.3	1	SW
20250210.18	0.28	W	3.3	1	W
20250210.21	0.25	W	3.2	1	SW
20250211.00	0.23	W	3.1	2	SW
20250211.03	0.21	W	3.0	2	SW
20250211.06	0.20	W	2.9	2	W
20250211.09	0.19	W	2.7	2	SW
20250211.12	0.18	W	2.7	1	SE



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250206.12	0.38	SW	2.1	4	SW
20250206.15	0.50	SW	2.5	6	SW
20250206.18	0.72	SW	3.0	8	SW
20250206.21	0.84	SW	3.4	7	SW
20250207.00	0.83	SW	3.7	6	SW
20250207.03	0.91	SW	3.8	7	SW
20250207.06	1.07	SW	3.9	9	SW
20250207.09	1.20	SW	4.1	9	SW
20250207.12	1.30	SW	4.3	9	SW
20250207.15	1.35	SW	4.4	9	SW
20250207.18	1.38	SW	4.4	9	SW
20250207.21	1.35	SW	4.4	9	S
20250208.00	1.28	SW	4.3	9	S
20250208.03	1.20	SW	4.1	9	S
20250208.06	1.13	SW	4.0	9	S
20250208.09	1.08	W	3.9	8	S
20250208.12	1.06	W	3.9	8	S
20250208.15	1.02	W	3.8	8	S
20250208.18	0.94	W	3.8	7	SW
20250208.21	0.84	W	3.8	6	SW
20250209.00	0.72	W	3.8	4	S
20250209.03	0.64	W	3.7	5	SW
20250209.06	0.62	W	3.3	6	SW
20250209.09	0.58	W	3.1	5	SW
20250209.12	0.52	W	3.1	4	S
20250209.15	0.47	W	3.0	4	SW
20250209.18	0.46	W	2.8	5	SW
20250209.21	0.45	W	2.7	4	SW
20250210.00	0.41	SW	2.7	4	SW
20250210.03	0.37	SW	2.6	4	SW
20250210.06	0.36	SW	2.5	4	SW
20250210.09	0.33	SW	2.4	3	SW
20250210.12	0.30	SW	2.5	3	SW
20250210.15	0.26	SW	2.6	2	SW
20250210.18	0.23	SW	2.7	1	W
20250210.21	0.21	SW	2.8	1	SW
20250211.00	0.19	SW	2.7	1	S
20250211.03	0.18	SW	2.7	1	SW
20250211.06	0.17	SW	2.6	1	SW
20250211.09	0.16	SW	2.4	2	E
20250211.12	0.18	W	2.0	4	SE



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250206.12	0.59	SW	2.6	6	SW
20250206.15	0.75	SW	3.0	8	SW
20250206.18	0.98	SW	3.4	10	SW
20250206.21	1.21	SW	3.9	9	SW
20250207.00	1.32	SW	4.3	9	SW
20250207.03	1.31	SW	4.3	9	SW
20250207.06	1.30	SW	4.3	9	SW
20250207.09	1.33	SW	4.4	9	SW
20250207.12	1.36	SW	4.4	9	SW
20250207.15	1.36	SW	4.4	9	SW
20250207.18	1.35	SW	4.4	9	S
20250207.21	1.33	SW	4.4	9	S
20250208.00	1.30	SW	4.3	9	S
20250208.03	1.25	W	4.2	8	S
20250208.06	1.19	W	4.2	8	S
20250208.09	1.12	W	4.1	8	S
20250208.12	1.03	W	4.0	7	S
20250208.15	0.97	W	3.9	7	S
20250208.18	0.93	W	3.8	7	S
20250208.21	0.88	W	3.8	6	S
20250209.00	0.81	W	3.8	6	S
20250209.03	0.75	W	3.8	5	S
20250209.06	0.71	W	3.6	5	SW
20250209.09	0.67	W	3.5	5	SW
20250209.12	0.62	W	3.4	5	S
20250209.15	0.58	W	3.3	5	S
20250209.18	0.55	W	3.2	5	SW
20250209.21	0.52	W	3.1	4	S
20250210.00	0.47	W	3.1	3	S
20250210.03	0.43	W	3.1	3	SW
20250210.06	0.39	W	3.0	3	SW
20250210.09	0.39	W	3.0	3	SW
20250210.12	0.32	W	3.0	3	S
20250210.15	0.29	W	3.1	2	S
20250210.18	0.26	W	3.1	1	E
20250210.21	0.24	W	3.1	2	SE
20250211.00	0.22	W	3.0	2	SE
20250211.03	0.20	W	3.0	2	SE
20250211.06	0.19	W	2.9	2	SE
20250211.09	0.18	W	2.8	3	SE
20250211.12	0.17	W	2.4	4	SE

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

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Checked by: Shishkina G.M.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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