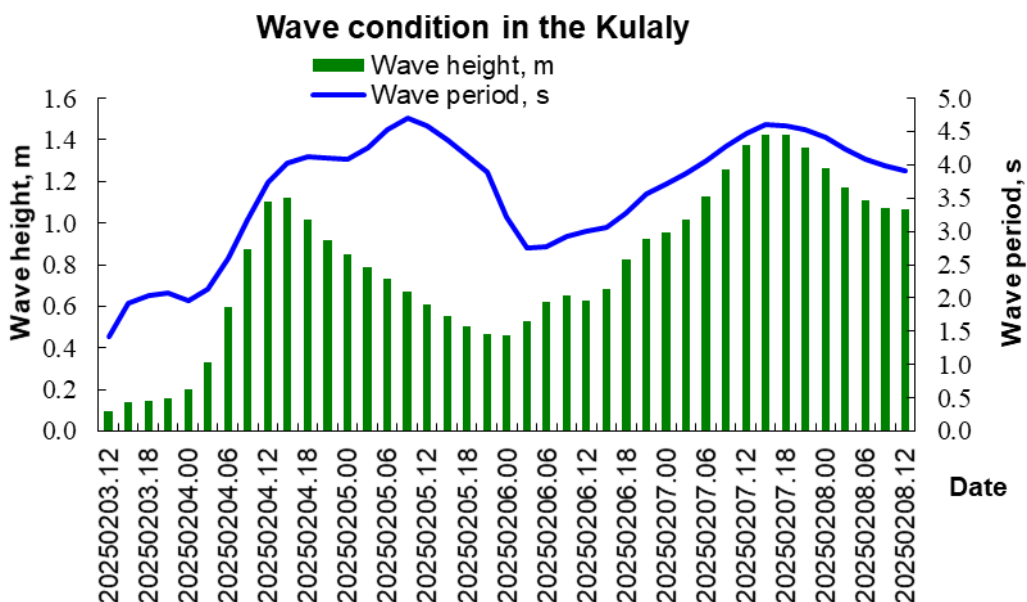
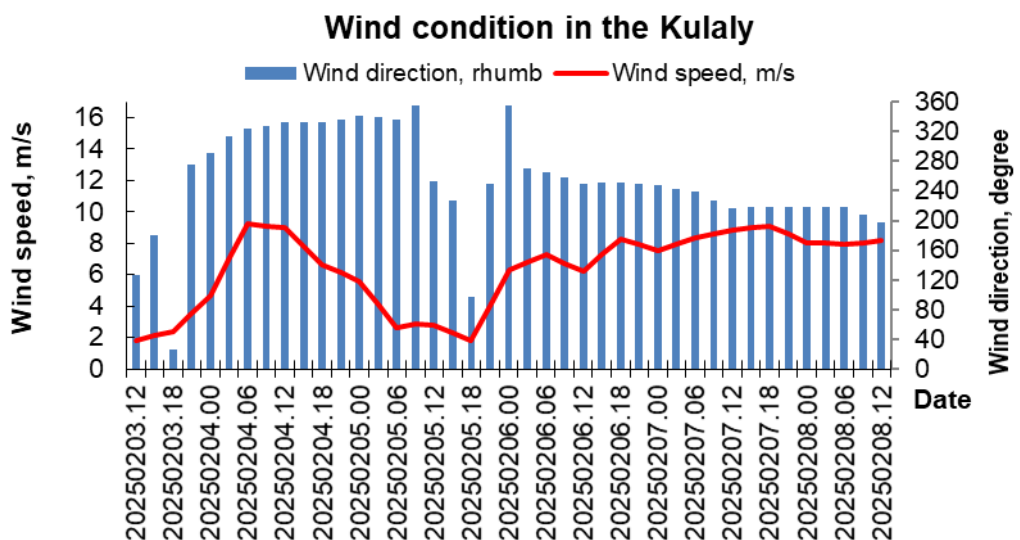




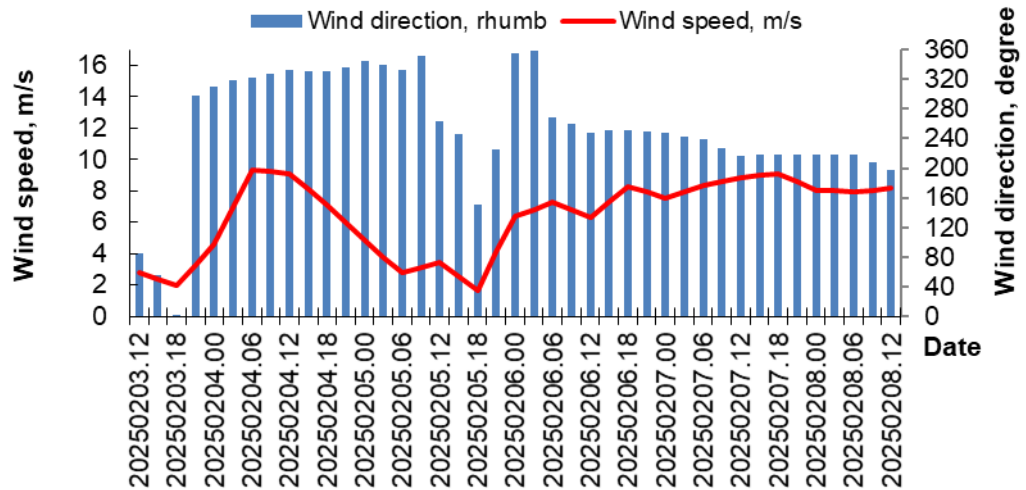
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
for the period February 03 - 08, 2025.**

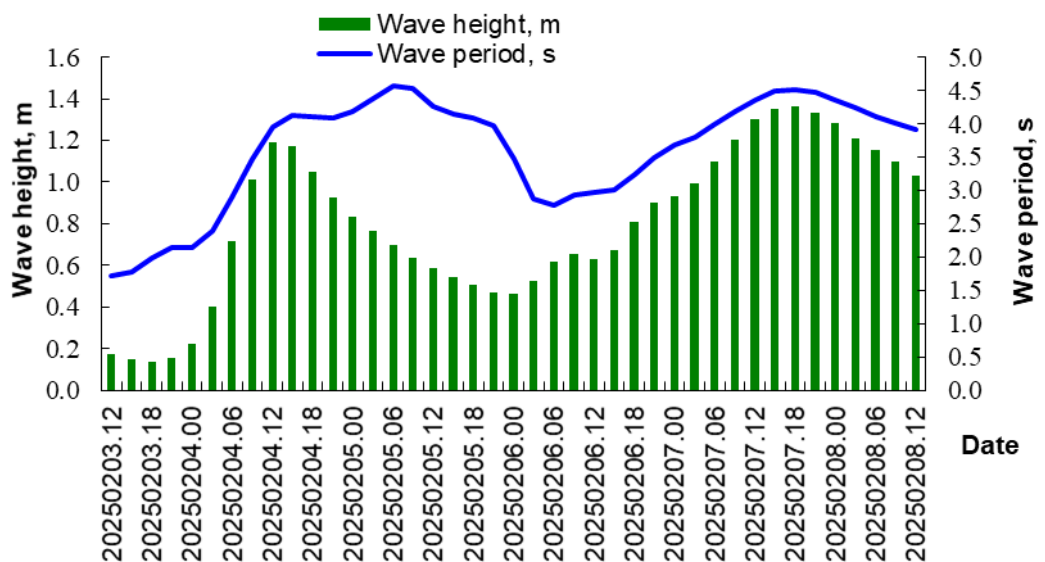


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250203.12	0.09	NW	1.4	2	SE
20250203.15	0.14	W	1.9	2	S
20250203.18	0.14	SW	2.0	2	NE
20250203.21	0.16	S	2.1	4	W
20250204.00	0.20	SE	2.0	5	W
20250204.03	0.33	SE	2.1	7	NW
20250204.06	0.60	SE	2.6	9	NW
20250204.09	0.87	SE	3.2	9	NW
20250204.12	1.10	SE	3.7	9	NW
20250204.15	1.12	SE	4.0	8	NW
20250204.18	1.02	SE	4.1	7	NW
20250204.21	0.92	SE	4.1	6	NW
20250205.00	0.85	SE	4.1	6	N
20250205.03	0.79	SE	4.3	4	N
20250205.06	0.73	E	4.5	3	NW
20250205.09	0.67	E	4.7	3	N
20250205.12	0.61	E	4.6	3	W
20250205.15	0.55	E	4.4	2	SW
20250205.18	0.51	E	4.1	2	E
20250205.21	0.46	E	3.9	4	W
20250206.00	0.46	SE	3.2	6	N
20250206.03	0.53	S	2.7	7	W
20250206.06	0.62	S	2.8	7	W
20250206.09	0.65	S	2.9	7	W
20250206.12	0.63	S	3.0	6	W
20250206.15	0.68	S	3.1	7	W
20250206.18	0.83	SW	3.3	8	W
20250206.21	0.92	SW	3.6	8	W
20250207.00	0.96	SW	3.7	8	SW
20250207.03	1.02	SW	3.9	8	SW
20250207.06	1.13	SW	4.1	8	SW
20250207.09	1.26	SW	4.3	9	SW
20250207.12	1.37	SW	4.5	9	SW
20250207.15	1.43	SW	4.6	9	SW
20250207.18	1.43	SW	4.6	9	SW
20250207.21	1.36	SW	4.5	9	SW
20250208.00	1.27	SW	4.4	8	SW
20250208.03	1.17	SW	4.2	8	SW
20250208.06	1.11	SW	4.1	8	SW
20250208.09	1.08	SW	4.0	8	SW
20250208.12	1.07	SW	3.9	8	S

Wind condition in the Fort-Shevchenko

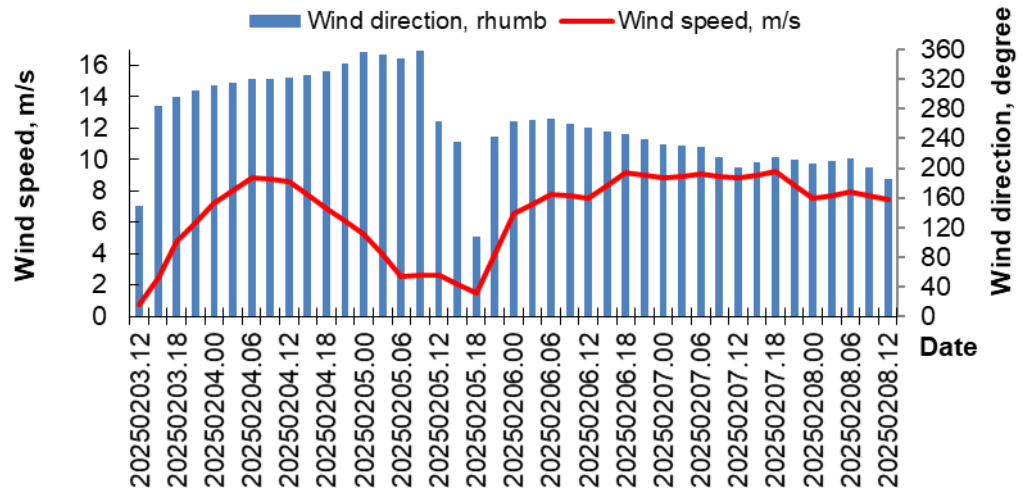


Wave condition in the Fort-Shevchenko

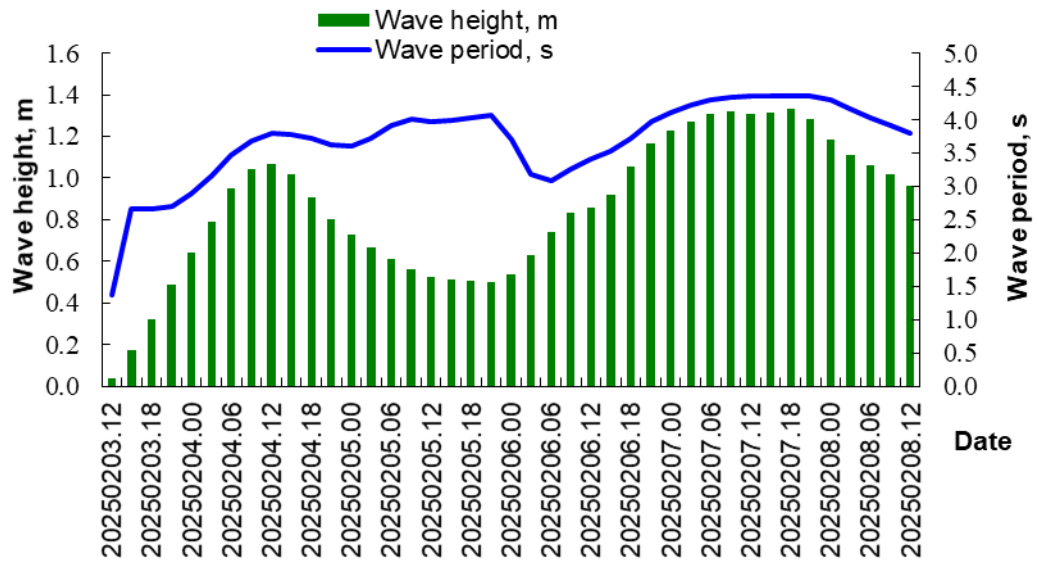


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250203.12	0.17	N	1.7	3	E
20250203.15	0.15	N	1.8	2	NE
20250203.18	0.14	N	2.0	2	N
20250203.21	0.15	SE	2.1	3	NW
20250204.00	0.22	SE	2.1	5	NW
20250204.03	0.40	SE	2.4	7	NW
20250204.06	0.72	SE	2.9	9	NW
20250204.09	1.02	SE	3.5	9	NW
20250204.12	1.19	SE	4.0	9	NW
20250204.15	1.18	SE	4.1	8	NW
20250204.18	1.05	SE	4.1	7	NW
20250204.21	0.93	SE	4.1	6	NW
20250205.00	0.83	SE	4.2	5	N
20250205.03	0.76	E	4.4	4	N
20250205.06	0.70	E	4.6	3	NW
20250205.09	0.63	E	4.5	3	N
20250205.12	0.58	E	4.3	3	W
20250205.15	0.54	E	4.2	3	SW
20250205.18	0.51	E	4.1	2	SE
20250205.21	0.47	NE	4.0	4	SW
20250206.00	0.46	E	3.5	6	N
20250206.03	0.52	S	2.9	7	N
20250206.06	0.62	S	2.8	7	W
20250206.09	0.66	S	2.9	7	W
20250206.12	0.63	S	3.0	6	W
20250206.15	0.67	S	3.0	7	W
20250206.18	0.81	S	3.2	8	W
20250206.21	0.90	S	3.5	8	W
20250207.00	0.93	SW	3.7	8	SW
20250207.03	0.99	SW	3.8	8	SW
20250207.06	1.10	SW	4.0	8	SW
20250207.09	1.20	SW	4.2	9	SW
20250207.12	1.30	SW	4.4	9	SW
20250207.15	1.35	SW	4.5	9	SW
20250207.18	1.37	SW	4.5	9	SW
20250207.21	1.33	SW	4.5	9	SW
20250208.00	1.28	SW	4.4	8	SW
20250208.03	1.21	SW	4.2	8	SW
20250208.06	1.15	SW	4.1	8	SW
20250208.09	1.10	SW	4.0	8	SW
20250208.12	1.03	SW	3.9	8	S

Wind condition in the Aktau

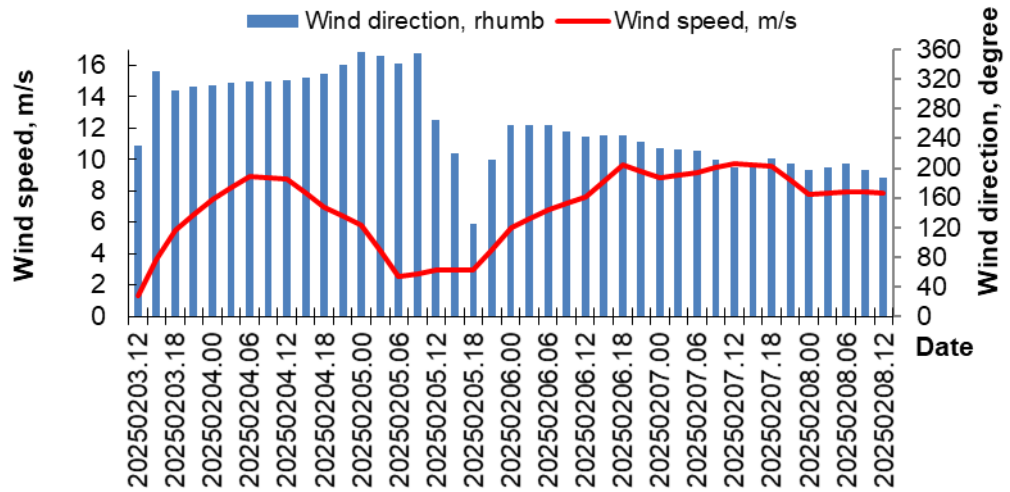


Wave condition in the Aktau

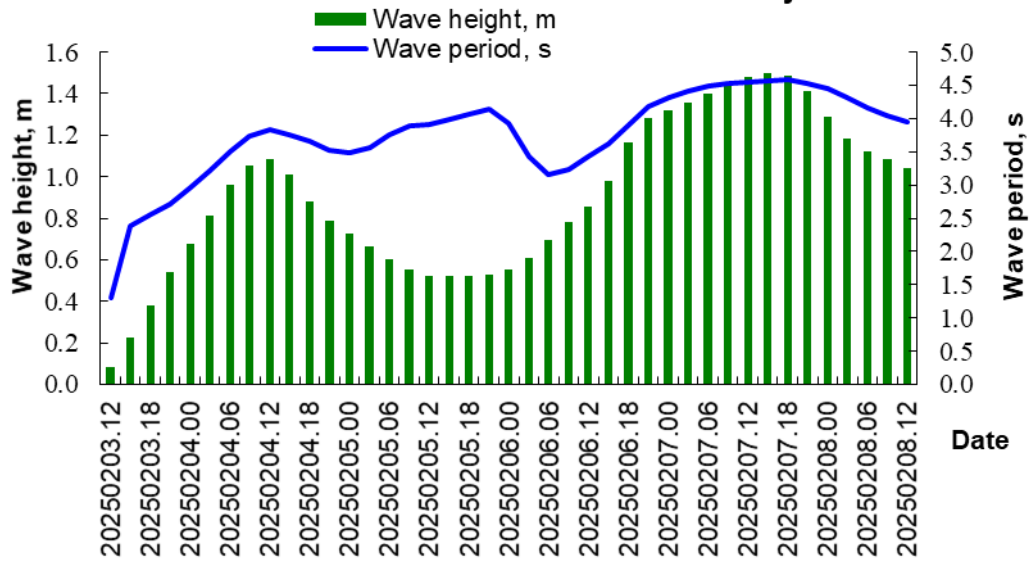


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250203.12	0.04	NW	1.4	1	SE
20250203.15	0.17	SE	2.7	2	W
20250203.18	0.32	SE	2.7	5	NW
20250203.21	0.49	SE	2.7	6	NW
20250204.00	0.64	SE	2.9	7	NW
20250204.03	0.79	SE	3.2	8	NW
20250204.06	0.95	SE	3.5	9	NW
20250204.09	1.04	SE	3.7	9	NW
20250204.12	1.07	SE	3.8	9	NW
20250204.15	1.02	SE	3.8	8	NW
20250204.18	0.91	SE	3.7	7	NW
20250204.21	0.80	SE	3.6	6	N
20250205.00	0.73	SE	3.6	5	N
20250205.03	0.67	E	3.7	4	N
20250205.06	0.61	E	3.9	3	N
20250205.09	0.56	E	4.0	3	N
20250205.12	0.53	E	4.0	3	W
20250205.15	0.51	E	4.0	2	SW
20250205.18	0.50	NE	4.0	1	E
20250205.21	0.50	N	4.1	4	SW
20250206.00	0.53	N	3.7	7	W
20250206.03	0.63	W	3.2	7	W
20250206.06	0.74	S	3.1	8	W
20250206.09	0.83	S	3.3	8	W
20250206.12	0.86	S	3.4	8	W
20250206.15	0.92	S	3.5	8	W
20250206.18	1.06	S	3.7	9	SW
20250206.21	1.17	S	4.0	9	SW
20250207.00	1.23	S	4.1	9	SW
20250207.03	1.27	S	4.2	9	SW
20250207.06	1.31	S	4.3	9	SW
20250207.09	1.32	SW	4.3	9	SW
20250207.12	1.31	SW	4.4	9	S
20250207.15	1.32	SW	4.4	9	SW
20250207.18	1.34	SW	4.4	9	SW
20250207.21	1.28	SW	4.4	8	SW
20250208.00	1.19	SW	4.3	8	SW
20250208.03	1.11	SW	4.2	8	SW
20250208.06	1.06	SW	4.0	8	SW
20250208.09	1.02	SW	3.9	8	S
20250208.12	0.96	SW	3.8	7	S

Wind condition in the Peschanyi

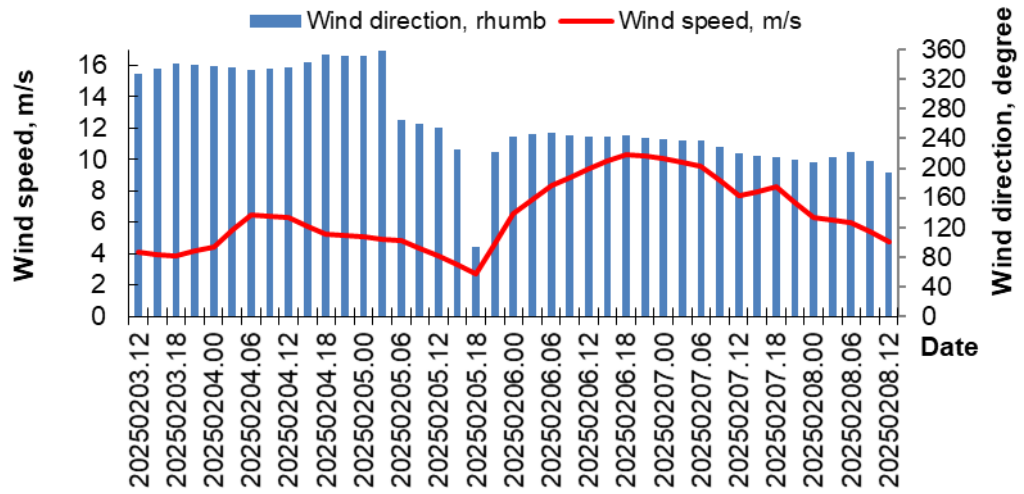


Wave condition in the Peschanyi

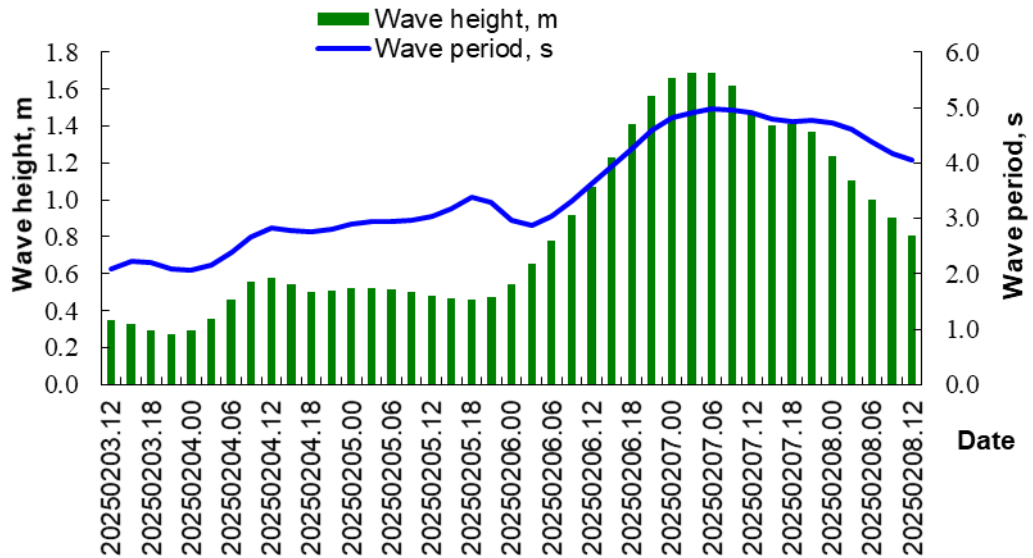


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250203.12	0.08	SW	1.3	1	SW
20250203.15	0.23	SE	2.4	4	NW
20250203.18	0.38	SE	2.6	5	NW
20250203.21	0.54	SE	2.7	6	NW
20250204.00	0.68	SE	3.0	7	NW
20250204.03	0.81	SE	3.2	8	NW
20250204.06	0.96	SE	3.5	9	NW
20250204.09	1.06	SE	3.7	9	NW
20250204.12	1.08	SE	3.8	9	NW
20250204.15	1.01	SE	3.8	8	NW
20250204.18	0.88	SE	3.7	7	NW
20250204.21	0.79	SE	3.5	6	N
20250205.00	0.73	SE	3.5	6	N
20250205.03	0.67	SE	3.6	4	N
20250205.06	0.60	E	3.8	3	N
20250205.09	0.55	E	3.9	3	N
20250205.12	0.52	E	3.9	3	W
20250205.15	0.52	NE	4.0	3	SW
20250205.18	0.53	N	4.1	3	SE
20250205.21	0.53	N	4.1	4	SW
20250206.00	0.55	N	3.9	6	W
20250206.03	0.61	NW	3.4	6	W
20250206.06	0.69	SW	3.2	7	W
20250206.09	0.78	S	3.2	7	W
20250206.12	0.85	S	3.4	8	SW
20250206.15	0.98	S	3.6	9	SW
20250206.18	1.17	S	3.9	10	SW
20250206.21	1.28	S	4.2	9	SW
20250207.00	1.32	S	4.3	9	SW
20250207.03	1.35	S	4.4	9	SW
20250207.06	1.40	S	4.5	9	SW
20250207.09	1.44	SW	4.5	9	SW
20250207.12	1.48	SW	4.5	10	S
20250207.15	1.50	SW	4.6	10	SW
20250207.18	1.49	SW	4.6	10	SW
20250207.21	1.41	SW	4.5	9	SW
20250208.00	1.29	SW	4.4	8	S
20250208.03	1.18	SW	4.3	8	S
20250208.06	1.12	SW	4.2	8	SW
20250208.09	1.08	SW	4.0	8	S
20250208.12	1.04	W	4.0	8	S

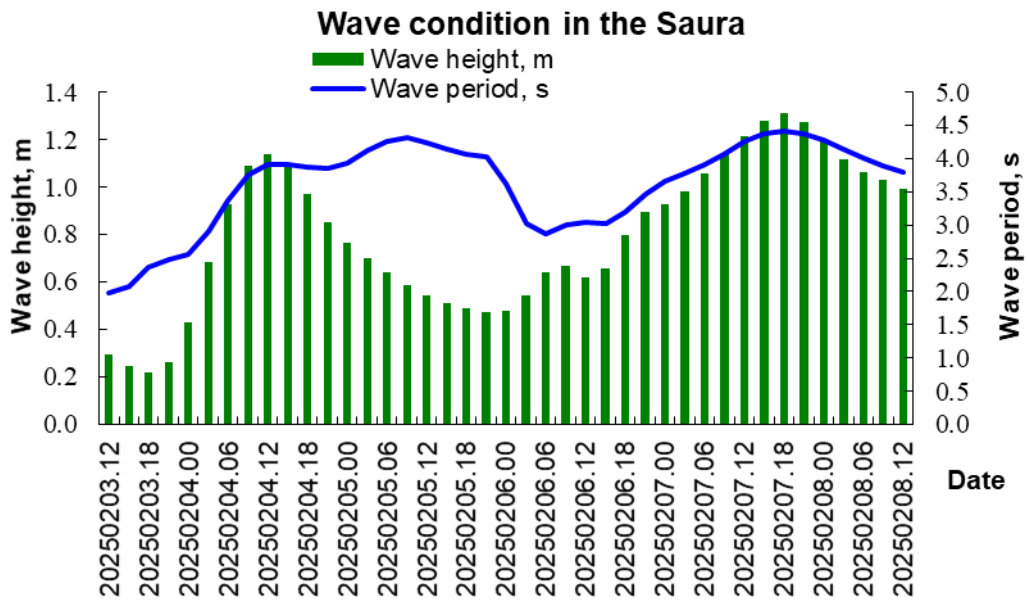
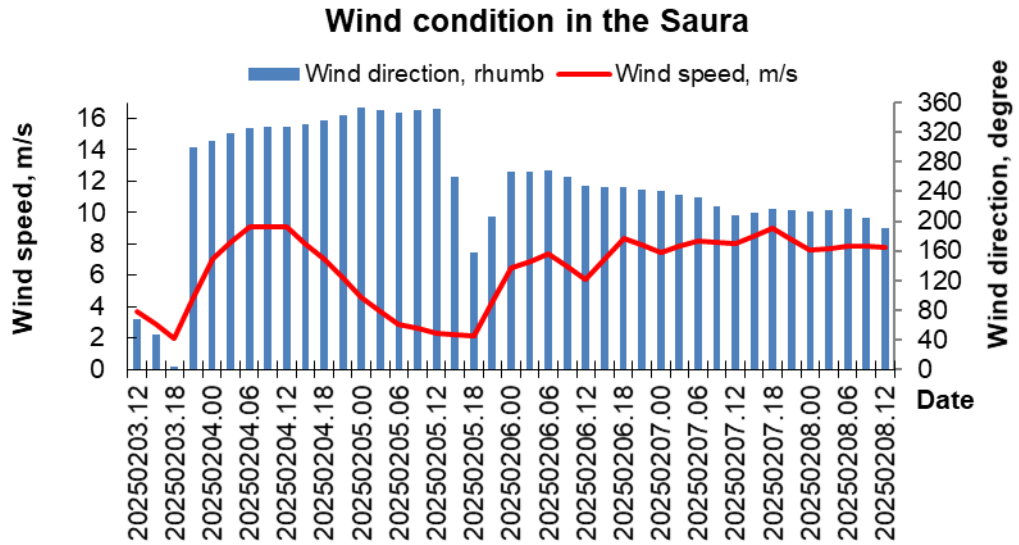
Wind condition in the Fetisovo



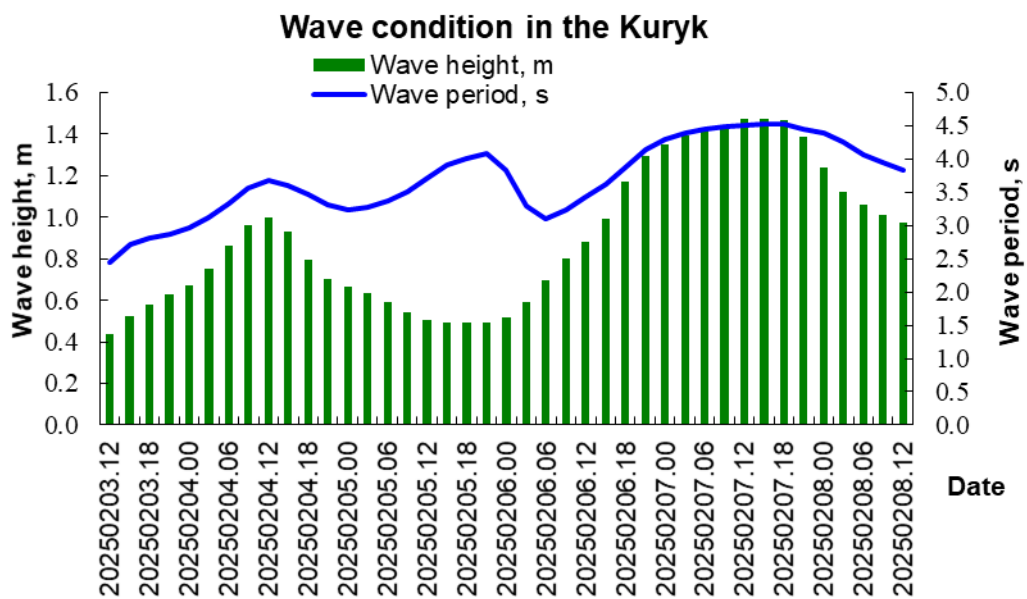
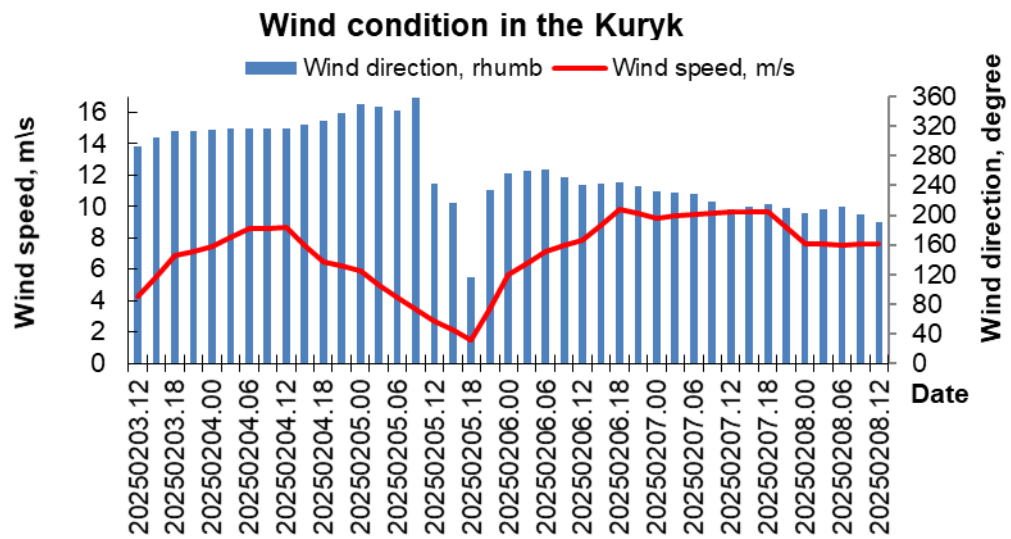
Wave condition in the Fetisovo



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250203.12	0.35	SE	2.1	4	NW
20250203.15	0.33	SE	2.2	4	NW
20250203.18	0.29	SE	2.2	4	N
20250203.21	0.28	SE	2.1	4	N
20250204.00	0.29	SE	2.1	4	N
20250204.03	0.36	SE	2.1	5	NW
20250204.06	0.46	SE	2.4	6	NW
20250204.09	0.56	SE	2.7	6	NW
20250204.12	0.58	SE	2.8	6	NW
20250204.15	0.54	SE	2.8	6	N
20250204.18	0.50	SE	2.8	5	N
20250204.21	0.51	SE	2.8	5	N
20250205.00	0.52	SE	2.9	5	N
20250205.03	0.52	SE	2.9	5	N
20250205.06	0.52	SE	3.0	5	W
20250205.09	0.50	SE	3.0	4	W
20250205.12	0.48	SE	3.0	4	W
20250205.15	0.47	E	3.2	3	SW
20250205.18	0.46	NE	3.4	3	E
20250205.21	0.48	N	3.3	5	SW
20250206.00	0.55	NW	3.0	7	SW
20250206.03	0.65	SW	2.9	7	SW
20250206.06	0.78	SW	3.0	8	W
20250206.09	0.92	SW	3.3	9	SW
20250206.12	1.07	SW	3.6	9	SW
20250206.15	1.23	SW	3.9	10	SW
20250206.18	1.41	S	4.3	10	SW
20250206.21	1.57	S	4.6	10	SW
20250207.00	1.66	S	4.8	10	SW
20250207.03	1.69	S	4.9	10	SW
20250207.06	1.69	S	5.0	10	SW
20250207.09	1.62	SW	5.0	9	SW
20250207.12	1.48	SW	4.9	8	SW
20250207.15	1.40	SW	4.8	8	SW
20250207.18	1.41	SW	4.8	8	SW
20250207.21	1.37	SW	4.8	7	SW
20250208.00	1.24	SW	4.7	6	SW
20250208.03	1.10	SW	4.6	6	SW
20250208.06	1.00	SW	4.4	6	SW
20250208.09	0.90	SW	4.2	5	SW
20250208.12	0.81	SW	4.1	5	S



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250203.12	0.30	NE	2.0	4	NE
20250203.15	0.25	NE	2.1	3	NE
20250203.18	0.22	NE	2.4	2	N
20250203.21	0.26	SE	2.5	5	NW
20250204.00	0.43	SE	2.5	7	NW
20250204.03	0.68	SE	2.9	8	NW
20250204.06	0.93	SE	3.4	9	NW
20250204.09	1.09	SE	3.7	9	NW
20250204.12	1.14	SE	3.9	9	NW
20250204.15	1.09	SE	3.9	8	NW
20250204.18	0.97	SE	3.9	7	NW
20250204.21	0.85	SE	3.8	6	N
20250205.00	0.76	SE	3.9	5	N
20250205.03	0.70	E	4.1	4	N
20250205.06	0.64	E	4.3	3	N
20250205.09	0.59	E	4.3	3	N
20250205.12	0.54	E	4.2	2	N
20250205.15	0.51	E	4.1	2	W
20250205.18	0.49	NE	4.1	2	S
20250205.21	0.47	NE	4.0	4	SW
20250206.00	0.48	NE	3.6	6	W
20250206.03	0.54	SE	3.0	7	W
20250206.06	0.64	S	2.9	7	W
20250206.09	0.67	S	3.0	7	W
20250206.12	0.62	S	3.0	6	W
20250206.15	0.66	S	3.0	7	SW
20250206.18	0.80	S	3.2	8	SW
20250206.21	0.90	S	3.5	8	SW
20250207.00	0.93	S	3.7	7	SW
20250207.03	0.98	S	3.8	8	SW
20250207.06	1.06	S	3.9	8	SW
20250207.09	1.14	SW	4.1	8	SW
20250207.12	1.21	SW	4.3	8	SW
20250207.15	1.28	SW	4.4	9	SW
20250207.18	1.31	SW	4.4	9	SW
20250207.21	1.27	SW	4.4	8	SW
20250208.00	1.19	SW	4.3	8	SW
20250208.03	1.12	SW	4.1	8	SW
20250208.06	1.06	SW	4.0	8	SW
20250208.09	1.03	SW	3.9	8	SW
20250208.12	0.99	SW	3.8	8	S



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250203.12	0.43	SE	2.5	4	NW
20250203.15	0.52	SE	2.7	6	NW
20250203.18	0.58	SE	2.8	7	NW
20250203.21	0.63	SE	2.9	7	NW
20250204.00	0.67	SE	3.0	7	NW
20250204.03	0.75	SE	3.1	8	NW
20250204.06	0.86	SE	3.3	9	NW
20250204.09	0.96	SE	3.6	9	NW
20250204.12	1.00	SE	3.7	9	NW
20250204.15	0.93	SE	3.6	8	NW
20250204.18	0.80	SE	3.5	6	NW
20250204.21	0.70	SE	3.3	6	N
20250205.00	0.67	SE	3.2	6	N
20250205.03	0.64	SE	3.3	5	N
20250205.06	0.59	SE	3.4	4	N
20250205.09	0.54	E	3.5	3	N
20250205.12	0.51	E	3.7	3	SW
20250205.15	0.49	E	3.9	2	SW
20250205.18	0.49	NE	4.0	2	SE
20250205.21	0.50	N	4.1	4	SW
20250206.00	0.52	N	3.8	6	W
20250206.03	0.59	NW	3.3	6	W
20250206.06	0.70	SW	3.1	7	W
20250206.09	0.80	S	3.2	8	W
20250206.12	0.88	S	3.4	8	SW
20250206.15	0.99	S	3.6	9	SW
20250206.18	1.17	S	3.9	10	SW
20250206.21	1.29	S	4.1	10	SW
20250207.00	1.35	S	4.3	9	SW
20250207.03	1.39	S	4.4	9	SW
20250207.06	1.43	SW	4.5	9	SW
20250207.09	1.43	SW	4.5	10	SW
20250207.12	1.47	SW	4.5	10	SW
20250207.15	1.48	SW	4.5	10	SW
20250207.18	1.47	SW	4.5	10	SW
20250207.21	1.39	SW	4.5	9	SW
20250208.00	1.24	SW	4.4	8	SW
20250208.03	1.12	SW	4.3	8	SW
20250208.06	1.06	SW	4.1	8	SW
20250208.09	1.01	SW	3.9	8	S
20250208.12	0.97	SW	3.8	8	S

**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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