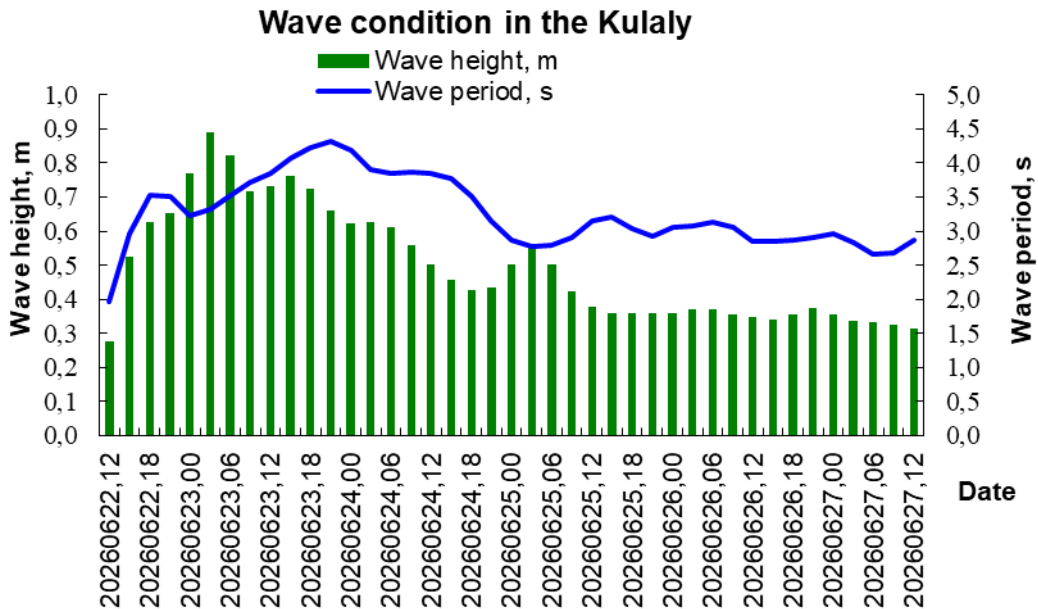
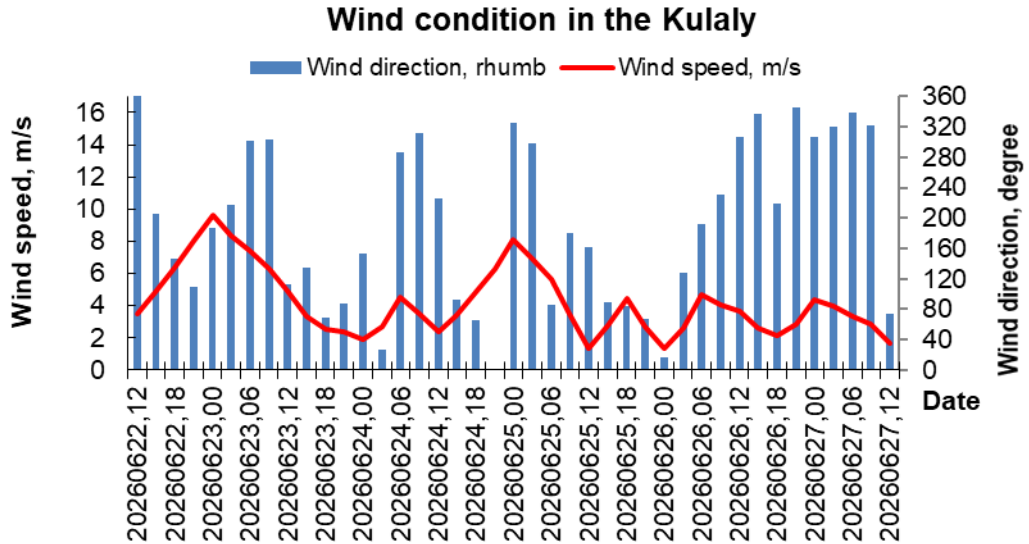




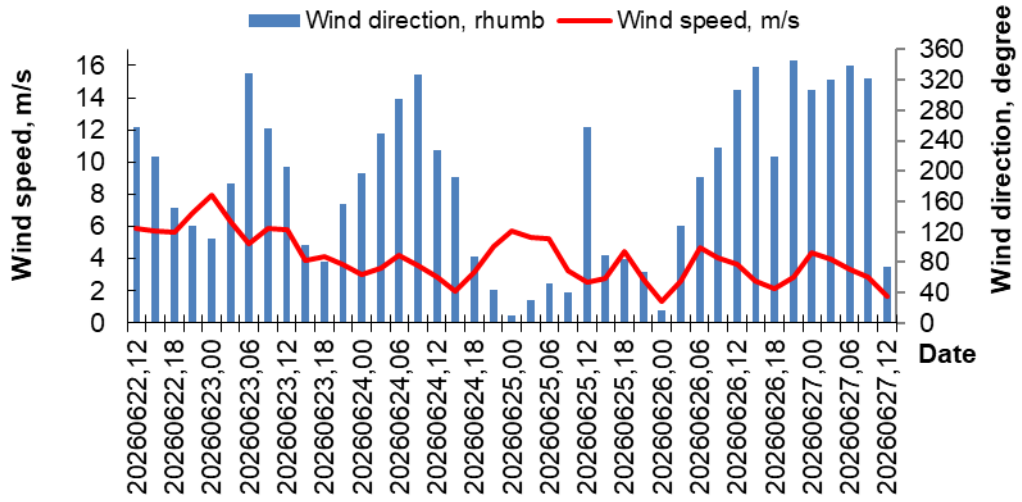
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period June 22 – 27. 2026 .**

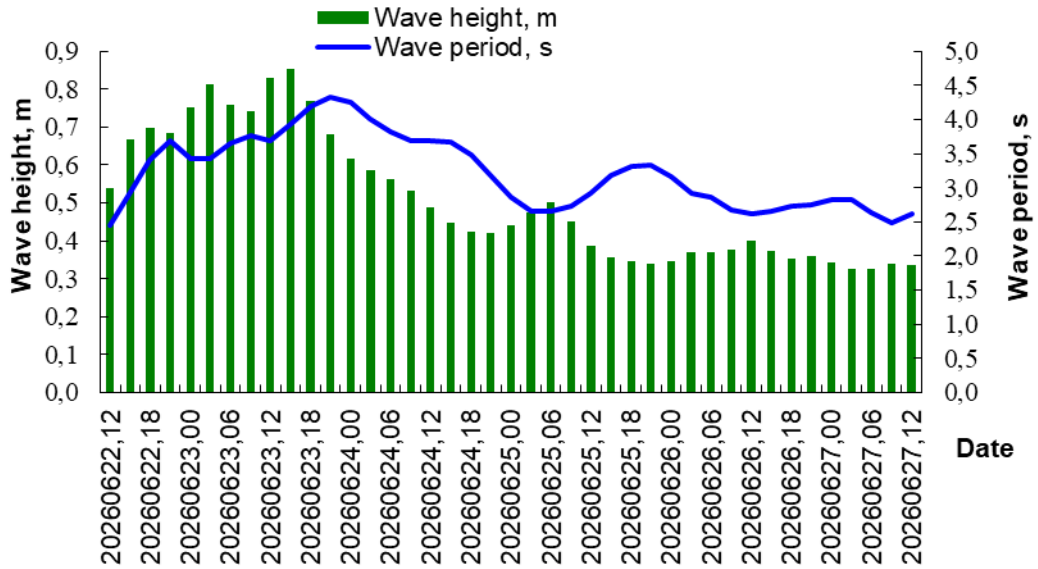


Date time	Kulaly				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260622.12	0.28	S	2.0	3	N
20260622.15	0.52	S	3.0	5	SW
20260622.18	0.63	S	3.5	6	SE
20260622.21	0.65	S	3.5	8	E
20260623.00	0.77	SW	3.2	10	S
20260623.03	0.89	SW	3.3	8	SW
20260623.06	0.82	S	3.5	7	NW
20260623.09	0.72	S	3.7	6	NW
20260623.12	0.73	S	3.8	5	SE
20260623.15	0.76	S	4.1	3	SE
20260623.18	0.72	S	4.2	3	E
20260623.21	0.66	S	4.3	2	E
20260624.00	0.62	S	4.2	2	SE
20260624.03	0.63	S	3.9	3	NE
20260624.06	0.61	S	3.8	5	W
20260624.09	0.56	S	3.9	3	NW
20260624.12	0.50	S	3.9	2	SW
20260624.15	0.46	S	3.8	3	E
20260624.18	0.43	S	3.5	5	NE
20260624.21	0.44	SW	3.2	6	N
20260625.00	0.50	SE	2.9	8	NW
20260625.03	0.56	SE	2.8	7	NW
20260625.06	0.50	E	2.8	6	E
20260625.09	0.42	E	2.9	3	S
20260625.12	0.38	E	3.1	1	S
20260625.15	0.36	E	3.2	3	E
20260625.18	0.36	NE	3.0	4	E
20260625.21	0.36	NE	2.9	3	NE
20260626.00	0.36	E	3.1	1	N
20260626.03	0.37	E	3.1	3	SE
20260626.06	0.37	SE	3.1	5	S
20260626.09	0.35	SE	3.1	4	SW
20260626.12	0.35	SE	2.9	4	NW
20260626.15	0.34	E	2.8	3	NW
20260626.18	0.36	E	2.9	2	SW
20260626.21	0.38	NW	2.9	3	N
20260627.00	0.35	NW	3.0	4	NW
20260627.03	0.34	NW	2.8	4	NW
20260627.06	0.33	SW	2.7	3	N
20260627.09	0.32	W	2.7	3	NW
20260627.12	0.31	W	2.9	2	E

Wind condition in the Fort-Shevchenko

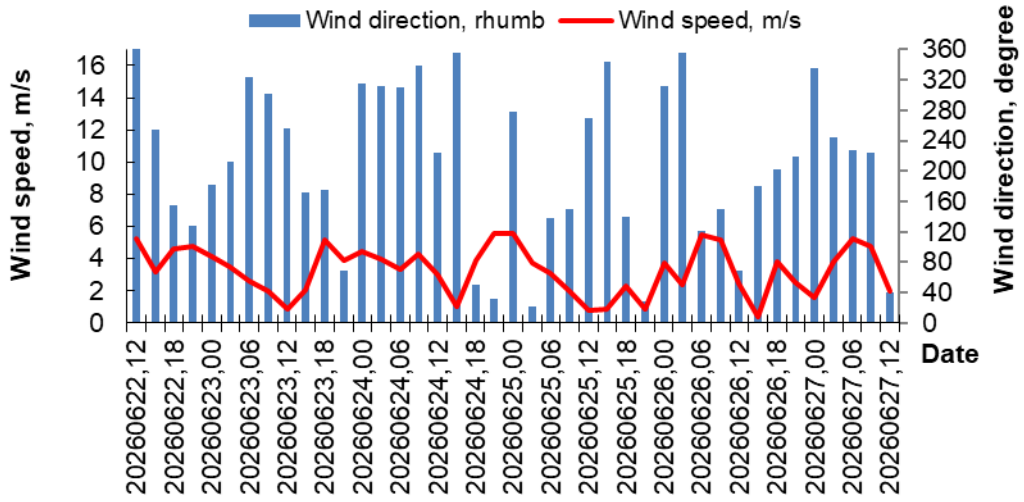


Wave condition in the Fort-Shevchenko

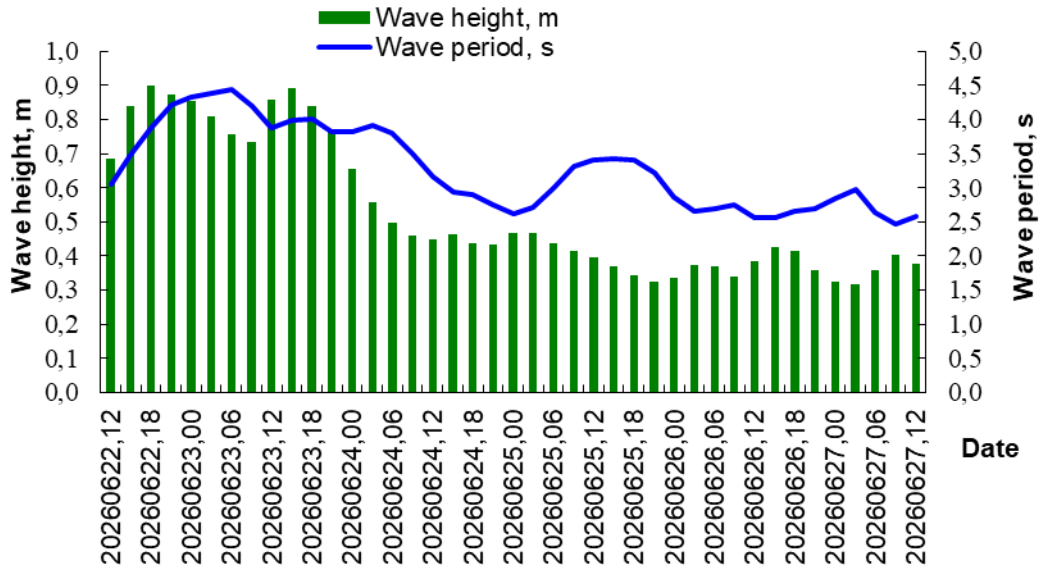


Date time	Fort-Shevchenko				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260622.12	0.54	S	2.5	6	W
20260622.15	0.67	S	2.9	6	SW
20260622.18	0.70	S	3.4	6	SE
20260622.21	0.68	S	3.7	7	SE
20260623.00	0.75	S	3.4	8	E
20260623.03	0.81	SW	3.4	6	S
20260623.06	0.76	S	3.7	5	NW
20260623.09	0.74	S	3.8	6	W
20260623.12	0.83	S	3.7	6	SW
20260623.15	0.85	S	3.9	4	E
20260623.18	0.77	S	4.2	4	E
20260623.21	0.68	S	4.3	4	SE
20260624.00	0.62	S	4.3	3	S
20260624.03	0.58	S	4.0	3	W
20260624.06	0.56	S	3.8	4	NW
20260624.09	0.53	S	3.7	4	NW
20260624.12	0.49	S	3.7	3	SW
20260624.15	0.45	S	3.7	2	S
20260624.18	0.42	S	3.5	3	E
20260624.21	0.42	SW	3.2	5	NE
20260625.00	0.44	SE	2.9	6	N
20260625.03	0.48	E	2.6	5	NE
20260625.06	0.50	NE	2.6	5	NE
20260625.09	0.45	NE	2.7	3	NE
20260625.12	0.39	E	2.9	3	W
20260625.15	0.36	E	3.2	3	E
20260625.18	0.35	E	3.3	4	E
20260625.21	0.34	E	3.3	3	NE
20260626.00	0.35	E	3.2	1	N
20260626.03	0.37	SE	2.9	3	SE
20260626.06	0.37	SE	2.9	5	S
20260626.09	0.38	E	2.7	4	SW
20260626.12	0.40	NE	2.6	4	NW
20260626.15	0.37	E	2.6	3	NW
20260626.18	0.35	E	2.7	2	SW
20260626.21	0.36	NW	2.7	3	N
20260627.00	0.34	NW	2.8	4	NW
20260627.03	0.33	NW	2.8	4	NW
20260627.06	0.33	W	2.6	3	N
20260627.09	0.34	SW	2.5	3	NW
20260627.12	0.34	SW	2.6	2	E

Wind condition in the Aktau

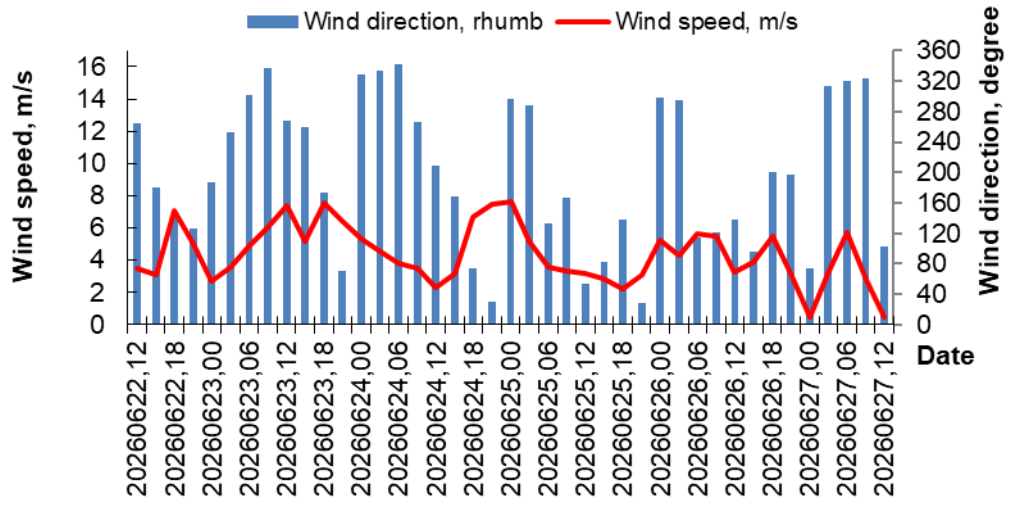


Wave condition in the Aktau

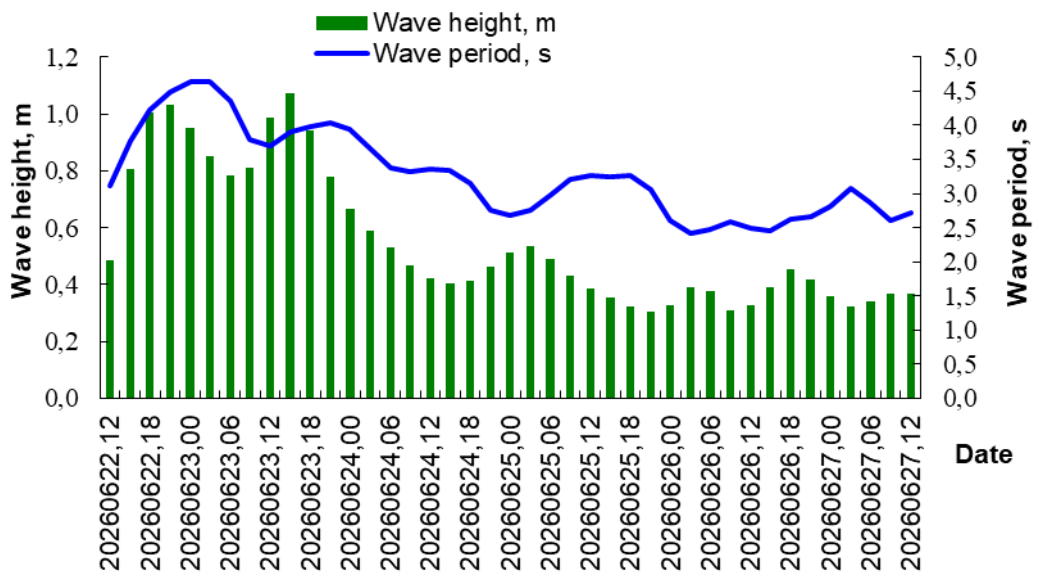


Date time	Aktau				
	Wave height. m	Направление волны. румб	Wave height. m	Скорость ветра. м/с	Wave height. m
20260622.12	0.69	S	3.0	5	N
20260622.15	0.84	S	3.5	3	W
20260622.18	0.90	S	3.9	5	SE
20260622.21	0.87	SE	4.2	5	SE
20260623.00	0.85	SE	4.3	4	S
20260623.03	0.81	SE	4.4	4	SW
20260623.06	0.76	SE	4.4	3	NW
20260623.09	0.73	SE	4.2	2	NW
20260623.12	0.86	S	3.9	1	W
20260623.15	0.89	S	4.0	2	S
20260623.18	0.84	S	4.0	5	S
20260623.21	0.77	S	3.8	4	E
20260624.00	0.66	S	3.8	4	NW
20260624.03	0.56	S	3.9	4	NW
20260624.06	0.50	S	3.8	3	NW
20260624.09	0.46	S	3.5	4	N
20260624.12	0.45	S	3.2	3	SW
20260624.15	0.46	S	2.9	1	N
20260624.18	0.44	S	2.9	4	NE
20260624.21	0.43	S	2.7	6	NE
20260625.00	0.47	E	2.6	6	W
20260625.03	0.47	E	2.7	4	N
20260625.06	0.44	E	3.0	3	SE
20260625.09	0.41	E	3.3	2	SE
20260625.12	0.39	E	3.4	1	W
20260625.15	0.37	E	3.4	1	N
20260625.18	0.34	E	3.4	2	SE
20260625.21	0.33	E	3.2	1	NE
20260626.00	0.33	E	2.9	4	NW
20260626.03	0.37	E	2.6	2	N
20260626.06	0.37	E	2.7	5	SE
20260626.09	0.34	E	2.7	5	SE
20260626.12	0.38	N	2.6	2	E
20260626.15	0.42	NW	2.6	0	S
20260626.18	0.41	NW	2.7	4	S
20260626.21	0.36	NW	2.7	3	SW
20260627.00	0.33	NW	2.8	2	NW
20260627.03	0.32	NW	3.0	4	SW
20260627.06	0.36	W	2.6	5	SW
20260627.09	0.40	SW	2.5	5	SW
20260627.12	0.38	SW	2.6	2	NE

Wind condition in the Peschanyi

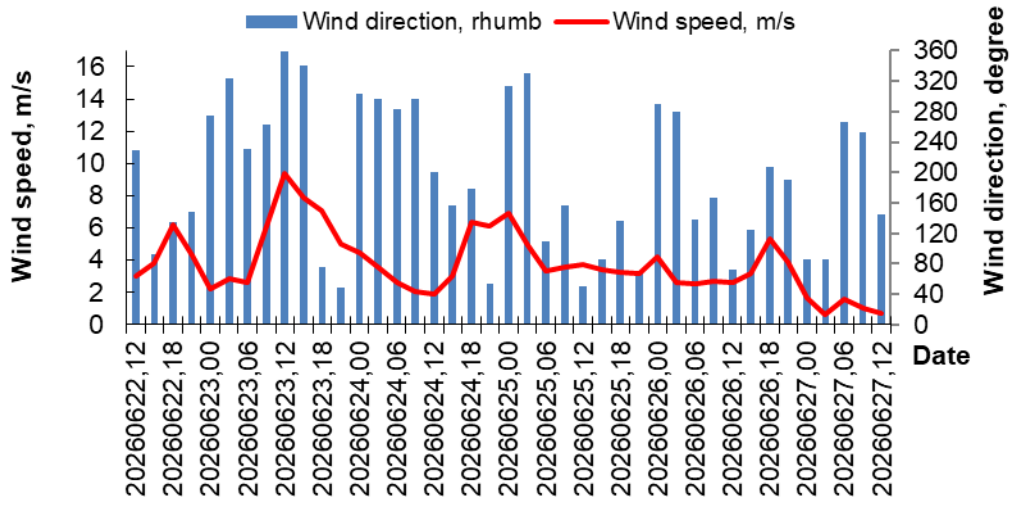


Wave condition in the Peschanyi

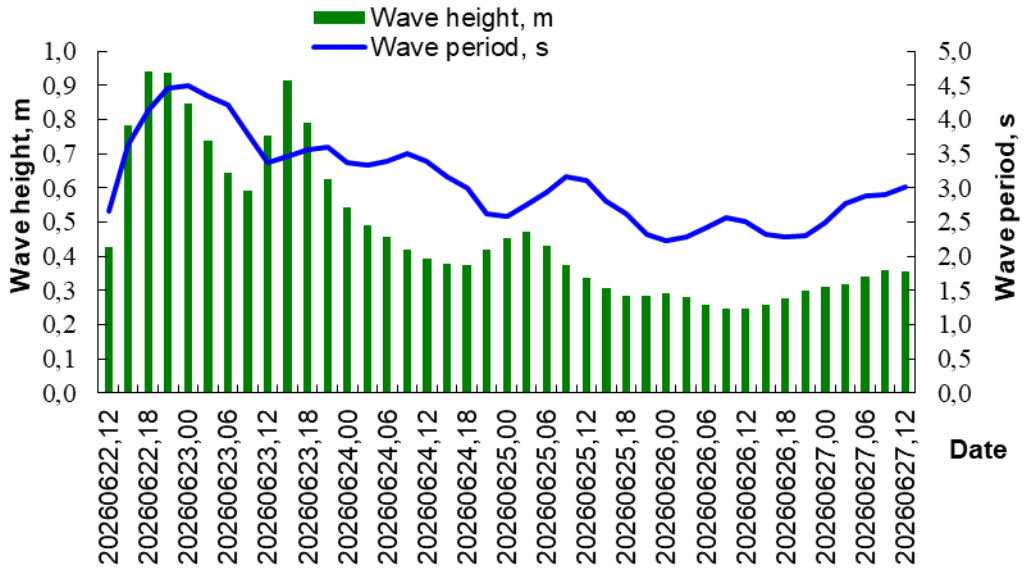


Date time	Peschanyi (Isan)				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260622.12	0.49	S	3.1	3	W
20260622.15	0.81	S	3.8	3	S
20260622.18	1.01	SE	4.2	7	SE
20260622.21	1.03	SE	4.5	5	SE
20260623.00	0.95	SE	4.6	3	S
20260623.03	0.85	SE	4.6	4	W
20260623.06	0.78	SE	4.4	5	NW
20260623.09	0.81	SE	3.8	6	N
20260623.12	0.99	S	3.7	7	W
20260623.15	1.07	S	3.9	5	W
20260623.18	0.94	S	4.0	8	S
20260623.21	0.78	S	4.0	6	E
20260624.00	0.66	S	3.9	5	NW
20260624.03	0.59	S	3.7	5	NW
20260624.06	0.53	S	3.4	4	N
20260624.09	0.47	S	3.3	3	W
20260624.12	0.42	S	3.4	2	SW
20260624.15	0.40	S	3.3	3	S
20260624.18	0.41	S	3.1	7	E
20260624.21	0.46	NE	2.8	7	NE
20260625.00	0.51	E	2.7	8	NW
20260625.03	0.54	E	2.8	5	W
20260625.06	0.49	E	3.0	4	SE
20260625.09	0.43	E	3.2	3	S
20260625.12	0.39	E	3.3	3	NE
20260625.15	0.35	E	3.3	3	E
20260625.18	0.32	E	3.3	2	SE
20260625.21	0.30	E	3.1	3	NE
20260626.00	0.33	E	2.6	5	NW
20260626.03	0.39	E	2.4	4	NW
20260626.06	0.38	E	2.5	6	SE
20260626.09	0.31	E	2.6	5	SE
20260626.12	0.33	N	2.5	3	SE
20260626.15	0.39	NW	2.5	4	E
20260626.18	0.46	NW	2.6	5	S
20260626.21	0.42	NW	2.7	3	S
20260627.00	0.36	NW	2.8	0	E
20260627.03	0.32	NW	3.1	3	NW
20260627.06	0.34	NW	2.9	6	NW
20260627.09	0.37	SW	2.6	3	NW
20260627.12	0.37	W	2.7	0	E

Wind condition in the Fetisovo

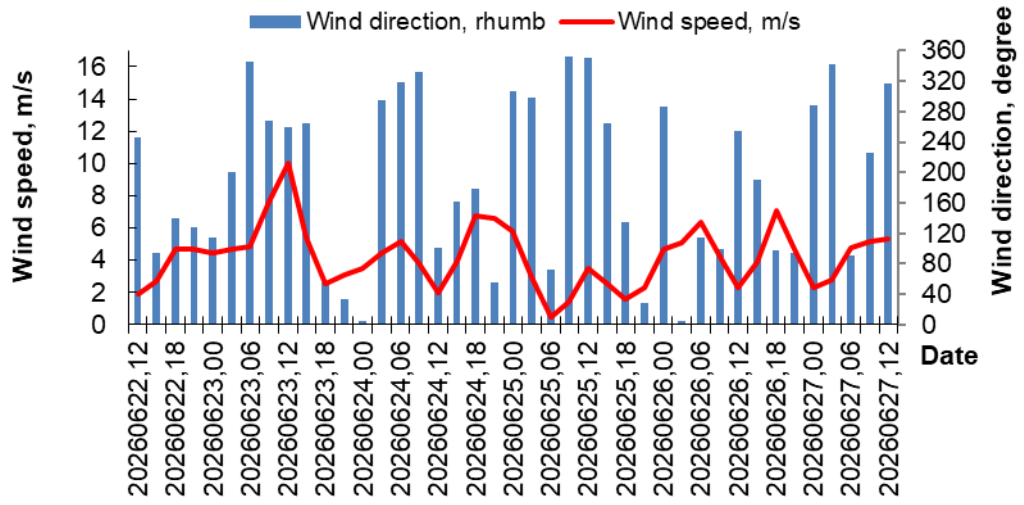


Wave condition in the Fetisovo

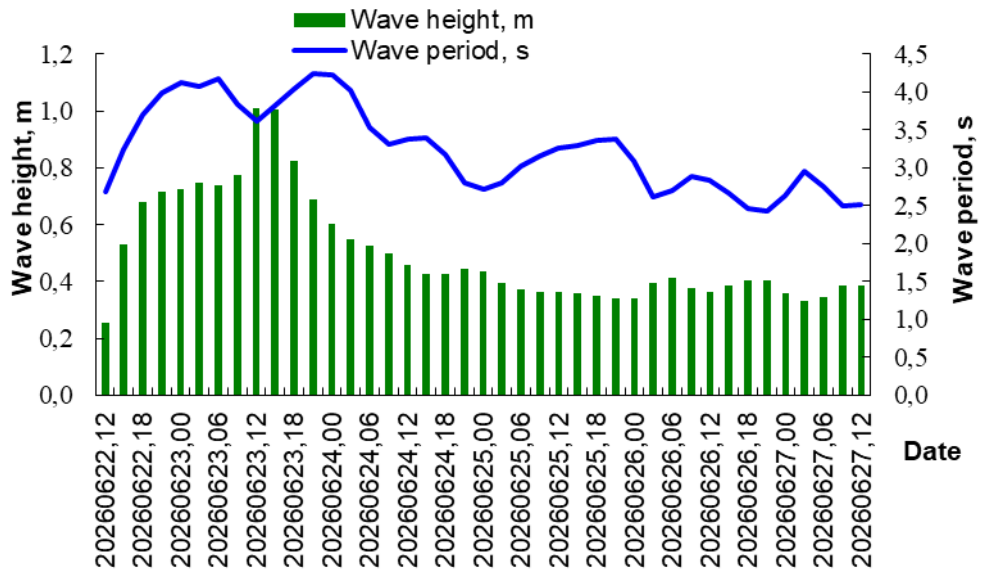


Date time	Fetisovo				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260622.12	0.43	S	2.7	3	SW
20260622.15	0.78	SE	3.6	4	E
20260622.18	0.94	SE	4.1	6	SE
20260622.21	0.94	SE	4.5	4	SE
20260623.00	0.85	SE	4.5	2	W
20260623.03	0.74	S	4.4	3	NW
20260623.06	0.64	S	4.2	3	SW
20260623.09	0.59	S	3.8	6	W
20260623.12	0.75	S	3.4	9	N
20260623.15	0.91	S	3.5	8	N
20260623.18	0.79	S	3.6	7	E
20260623.21	0.62	S	3.6	5	NE
20260624.00	0.54	S	3.4	4	NW
20260624.03	0.49	S	3.3	4	NW
20260624.06	0.45	S	3.4	3	W
20260624.09	0.42	S	3.5	2	NW
20260624.12	0.39	S	3.4	2	S
20260624.15	0.38	SW	3.2	3	SE
20260624.18	0.37	SW	3.0	6	S
20260624.21	0.42	N	2.6	6	NE
20260625.00	0.45	E	2.6	7	NW
20260625.03	0.47	E	2.7	5	NW
20260625.06	0.43	SE	2.9	3	E
20260625.09	0.38	SE	3.2	4	SE
20260625.12	0.34	SE	3.1	4	NE
20260625.15	0.31	E	2.8	3	E
20260625.18	0.29	E	2.6	3	SE
20260625.21	0.28	NE	2.3	3	E
20260626.00	0.29	NE	2.2	4	W
20260626.03	0.28	NE	2.3	3	W
20260626.06	0.26	NE	2.4	3	SE
20260626.09	0.25	NE	2.6	3	S
20260626.12	0.25	NE	2.5	3	E
20260626.15	0.26	NE	2.3	3	SE
20260626.18	0.28	N	2.3	5	SW
20260626.21	0.30	NW	2.3	4	S
20260627.00	0.31	NW	2.5	2	E
20260627.03	0.32	NW	2.8	1	E
20260627.06	0.34	NW	2.9	2	W
20260627.09	0.36	W	2.9	1	W
20260627.12	0.36	W	3.0	1	SE

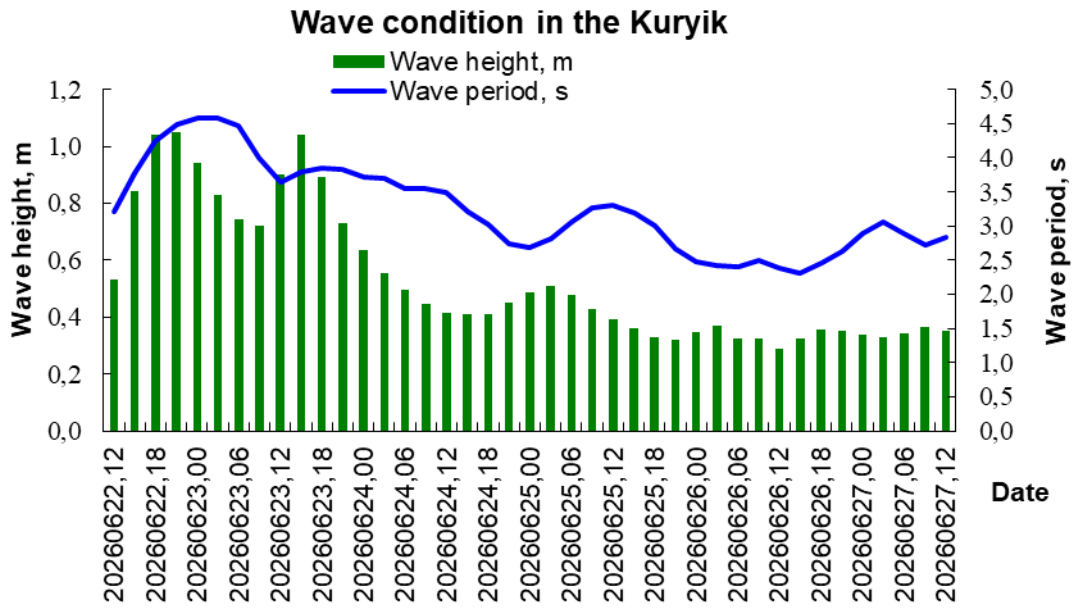
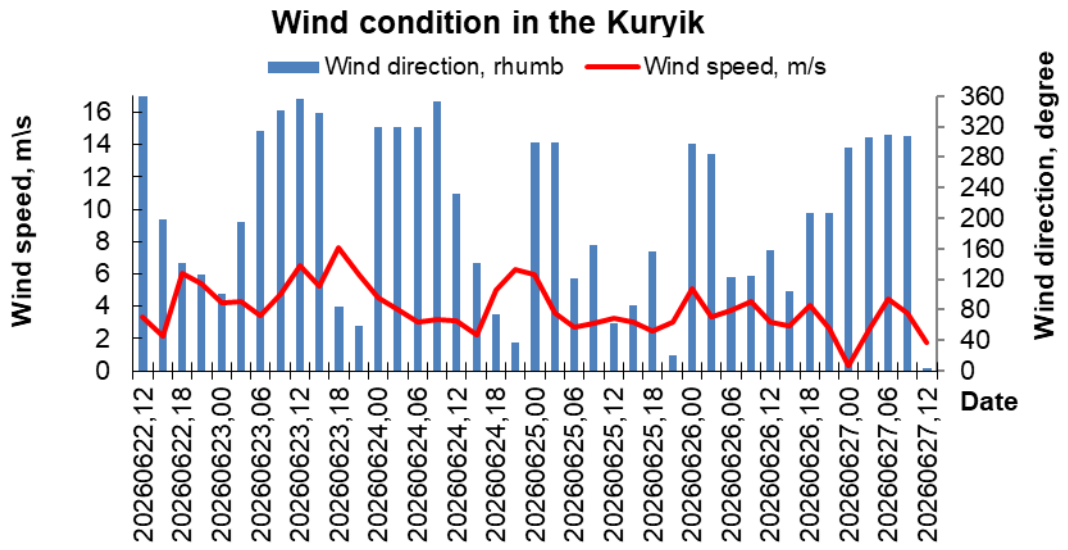
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260622.12	0.25	S	2.7	2	SW
20260622.15	0.53	S	3.2	3	E
20260622.18	0.68	S	3.7	5	SE
20260622.21	0.71	S	4.0	5	SE
20260623.00	0.72	S	4.1	4	SE
20260623.03	0.75	S	4.1	5	S
20260623.06	0.74	SE	4.2	5	N
20260623.09	0.77	S	3.8	8	W
20260623.12	1.01	S	3.6	10	W
20260623.15	1.01	S	3.8	5	W
20260623.18	0.82	S	4.0	3	NE
20260623.21	0.69	S	4.3	3	NE
20260624.00	0.60	S	4.2	3	N
20260624.03	0.55	S	4.0	4	NW
20260624.06	0.53	S	3.5	5	NW
20260624.09	0.50	S	3.3	4	NW
20260624.12	0.46	S	3.4	2	E
20260624.15	0.43	S	3.4	4	S
20260624.18	0.42	SW	3.2	7	S
20260624.21	0.45	SW	2.8	7	NE
20260625.00	0.44	SE	2.7	6	NW
20260625.03	0.40	SE	2.8	3	NW
20260625.06	0.37	SE	3.0	0	E
20260625.09	0.36	E	3.2	1	N
20260625.12	0.36	E	3.3	4	N
20260625.15	0.36	E	3.3	3	W
20260625.18	0.35	E	3.4	2	SE
20260625.21	0.34	E	3.4	2	NE
20260626.00	0.34	E	3.1	5	W
20260626.03	0.40	E	2.6	5	N
20260626.06	0.41	E	2.7	6	SE
20260626.09	0.38	E	2.9	4	E
20260626.12	0.36	E	2.8	2	W
20260626.15	0.39	E	2.7	4	S
20260626.18	0.41	NE	2.5	7	E
20260626.21	0.40	W	2.4	5	E
20260627.00	0.36	W	2.6	2	W
20260627.03	0.33	W	3.0	3	N
20260627.06	0.35	W	2.8	5	E
20260627.09	0.39	W	2.5	5	SW
20260627.12	0.39	SW	2.5	5	NW



Date time	Kuryk				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260622.12	0.53	S	3.2	3	N
20260622.15	0.84	S	3.8	2	S
20260622.18	1.04	SE	4.2	6	SE
20260622.21	1.05	SE	4.5	5	SE
20260623.00	0.94	SE	4.6	4	E
20260623.03	0.83	SE	4.6	4	S
20260623.06	0.74	SE	4.5	3	NW
20260623.09	0.72	S	4.0	5	N
20260623.12	0.90	S	3.7	6	N
20260623.15	1.04	S	3.8	5	N
20260623.18	0.89	S	3.8	8	E
20260623.21	0.73	S	3.8	6	NE
20260624.00	0.63	S	3.7	5	NW
20260624.03	0.55	S	3.7	4	NW
20260624.06	0.50	S	3.5	3	NW
20260624.09	0.45	S	3.6	3	N
20260624.12	0.41	S	3.5	3	SW
20260624.15	0.41	S	3.2	2	SE
20260624.18	0.41	S	3.0	5	E
20260624.21	0.45	E	2.7	6	NE
20260625.00	0.48	E	2.7	6	NW
20260625.03	0.51	E	2.8	4	NW
20260625.06	0.48	E	3.1	3	SE
20260625.09	0.43	E	3.3	3	S
20260625.12	0.39	E	3.3	3	NE
20260625.15	0.36	E	3.2	3	E
20260625.18	0.33	E	3.0	2	SE
20260625.21	0.32	E	2.7	3	N
20260626.00	0.35	E	2.5	5	NW
20260626.03	0.37	E	2.4	3	W
20260626.06	0.33	E	2.4	4	SE
20260626.09	0.33	E	2.5	4	SE
20260626.12	0.29	NE	2.4	3	S
20260626.15	0.33	N	2.3	3	E
20260626.18	0.36	NW	2.5	4	SW
20260626.21	0.35	NW	2.6	3	SW
20260627.00	0.34	NW	2.9	0	W
20260627.03	0.33	NW	3.1	3	NW
20260627.06	0.34	NW	2.9	4	NW
20260627.09	0.36	W	2.7	4	NW
20260627.12	0.35	W	2.8	2	N

**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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