

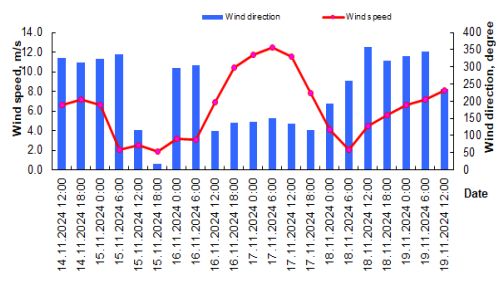


MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN  
RSE «KAZHYDROMET»  
SCIENTIFIC RESEARCH CENTER  
DEPARTMENT OF HYDROMETEOROLOGICAL RESEARCH OF THE CASPIAN SEA

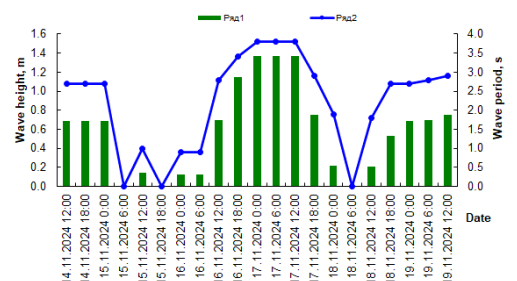
## №46 Wave Bulletin for the Middle Caspian Sea

**15.11.2024**

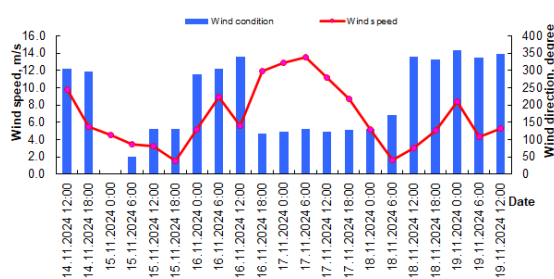
Wind condition in the 21050 unit



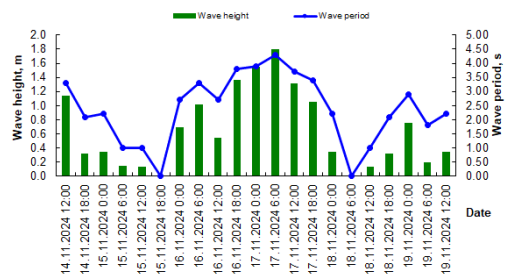
Wave condition in the 21050 unit



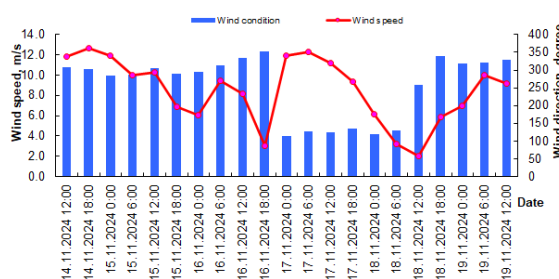
Wind condition in the 21141 unit



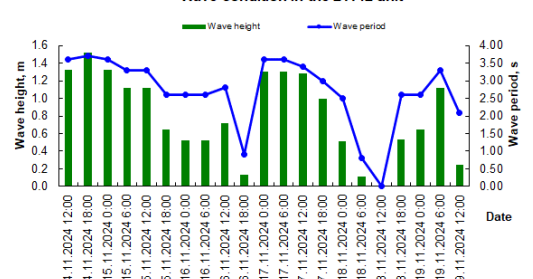
Wave condition in the 21141 unit



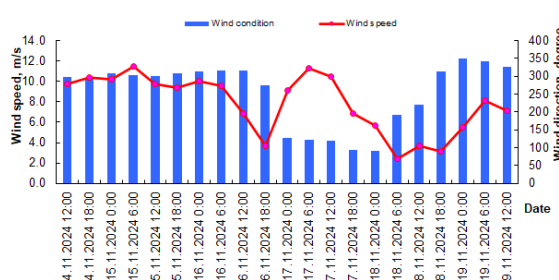
Wind condition in the 21142 unit



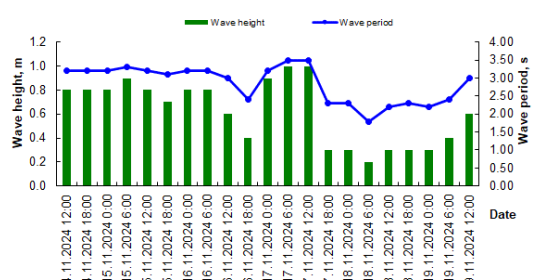
Wave condition in the 21142 unit



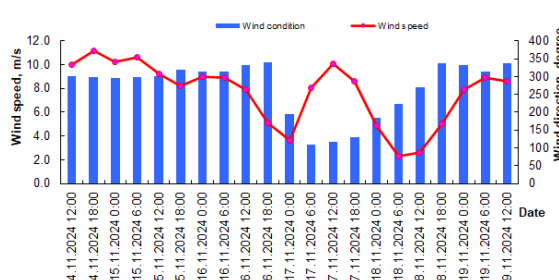
Wind condition in the Bautino Bay



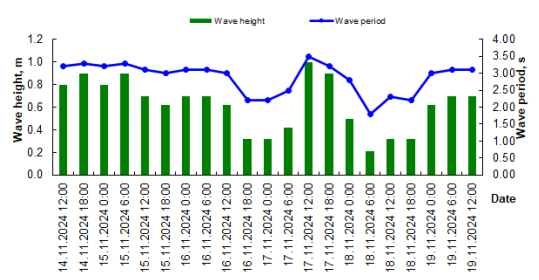
Wave condition in the Bautino Bay



Wind condition in the Kuryk Bay

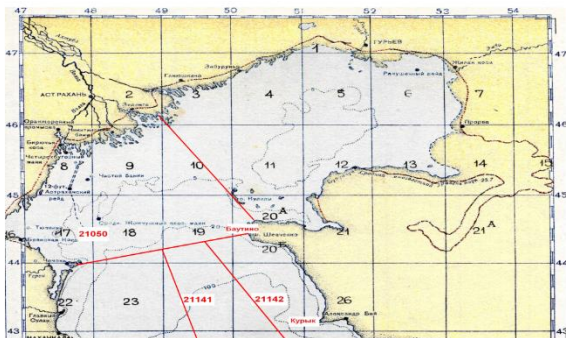


Wave condition in the Kuryk Bay



Date, time	21050 area				21141 area				21142 area				Bautino Bay				Kuryk Bay			
	WS, m/s	WD, rhumb	H, m	t, s	WS, m/s	WD, rhumb	H, m	t, s	WS, m/s	WD, rhumb	H, m	t, s	WS, m/s	WD, rhumb	H, m	t, s	WS, m/s	WD, rhumb	H, m	t, s
14.11.2024 12:00	7	NW	0.7	2.7	10	NW	1.1	3.3	12	NW	1.3	3.6	10	NW	0.8	3.2	10	NW	0.8	3.2
14.11.2024 18:00	7	NW	0.7	2.7	5	NW	0.3	2.1	13	NW	1.5	3.7	10	NW	0.8	3.2	11	NW	0.9	3.3
15.11.2024 0:00	7	NW	0.7	2.7	5	N	0.3	2.2	12	W	1.3	3.6	10	NW	0.8	3.2	10	NW	0.8	3.2
15.11.2024 6:00	2	NW	0.0	0.0	3	NE	0.2	1.0	10	W	1.1	3.3	11	NW	0.9	3.3	11	NW	0.9	3.3
15.11.2024 12:00	3	SE	0.1	1.0	3	SE	0.1	1.0	10	NW	1.1	3.3	10	NW	0.8	3.2	9	NW	0.7	3.1
15.11.2024 18:00	2	N	0.0	0.0	2	SE	0.0	0.0	7	W	0.7	2.6	9	NW	0.7	3.1	8	NW	0.6	3.0
16.11.2024 0:00	3	NW	0.1	0.9	5	W	0.7	2.7	6	NW	0.5	2.6	10	NW	0.8	3.2	9	NW	0.7	3.1
16.11.2024 6:00	3	NW	0.1	0.9	9	NW	1.0	3.3	9	NW	0.5	2.6	10	NW	0.8	3.2	9	NW	0.7	3.1
16.11.2024 12:00	7	SE	0.7	2.8	6	N	0.6	2.7	8	NW	0.7	2.8	7	NW	0.6	3.0	8	NW	0.6	3.0
16.11.2024 18:00	10	SE	1.2	3.4	12	SE	1.4	3.8	3	N	0.1	0.9	4	W	0.4	2.4	5	N	0.3	2.2
17.11.2024 0:00	12	SE	1.4	3.8	13	SE	1.6	3.9	12	SE	1.3	3.6	9	SE	0.9	3.2	4	S	0.3	2.2
17.11.2024 6:00	12	SE	1.4	3.8	14	SE	1.8	4.3	12	SE	1.3	3.6	11	SE	1.0	3.5	8	E	0.4	2.5
17.11.2024 12:00	12	SE	1.4	3.8	11	SE	1.3	3.7	11	SE	1.3	3.4	10	SE	1.0	3.5	10	SE	1.0	3.5
17.11.2024 18:00	8	SE	0.8	2.9	9	SE	1.1	3.4	9	SE	1.0	3.0	7	E	0.3	2.3	9	SE	0.9	3.2
18.11.2024 0:00	4	S	0.2	1.9	5	SE	0.4	2.2	6	SE	0.5	2.5	6	E	0.3	2.3	5	S	0.5	2.8
18.11.2024 6:00	2	W	0.0	0.0	2	S	0.0	0.0	3	SE	0.1	0.8	2	S	0.2	1.8	2	SW	0.2	1.8
18.11.2024 12:00	4	N	0.2	1.8	3	N	0.1	1.0	2	W	0.0	0.0	4	SW	0.3	2.2	3	W	0.3	2.3
18.11.2024 18:00	6	NW	0.5	2.7	5	NW	0.3	2.1	6	N	0.5	2.6	3	NW	0.3	2.3	5	N	0.3	2.2
19.11.2024 0:00	7	NW	0.7	2.7	8	N	0.8	2.9	7	NW	0.7	2.6	6	N	0.3	2.2	8	NW	0.6	3.0
19.11.2024 6:00	7	N	0.7	2.8	4	NW	0.2	1.8	10	NW	1.1	3.3	8	N	0.4	2.4	9	NW	0.7	3.1
19.11.2024 12:00	8	SW	0.8	2.9	5	N	0.3	2.2	9	NW	0.3	2.1	7	NW	0.6	3.0	9	NW	0.7	3.1

WS – wind speed; WD - wind direction; H - wave height; t - wave period.



Schematic diagram of the areas in the middle part of the Caspian Sea

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Bulletin compiled by the Caspian Sea Hydrometeorological Research Department

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