

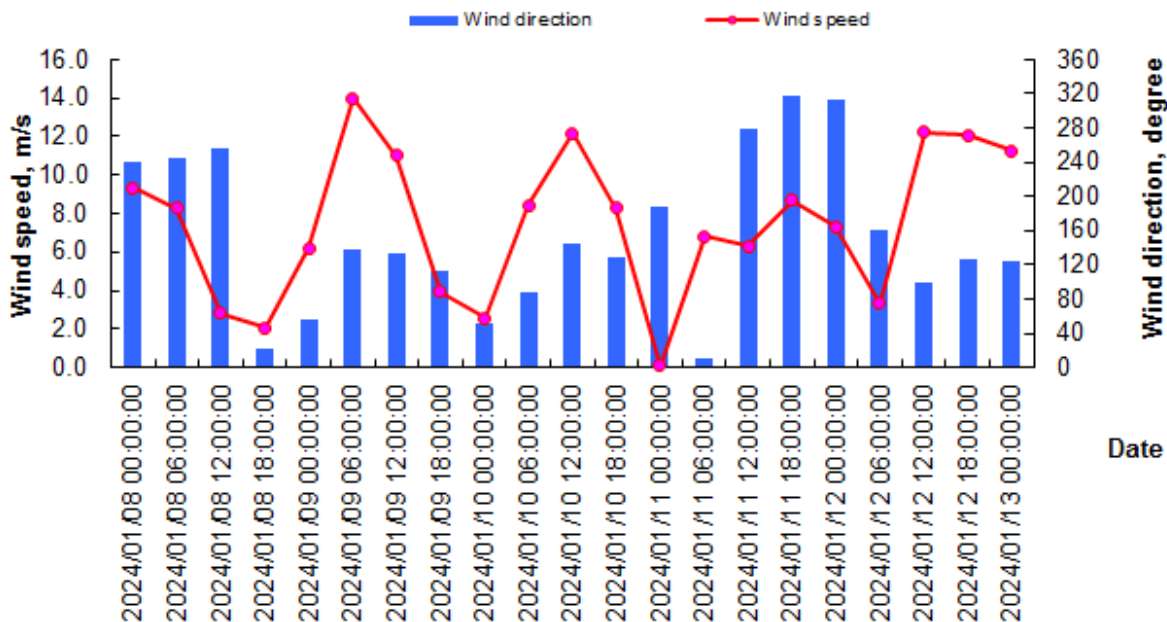


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
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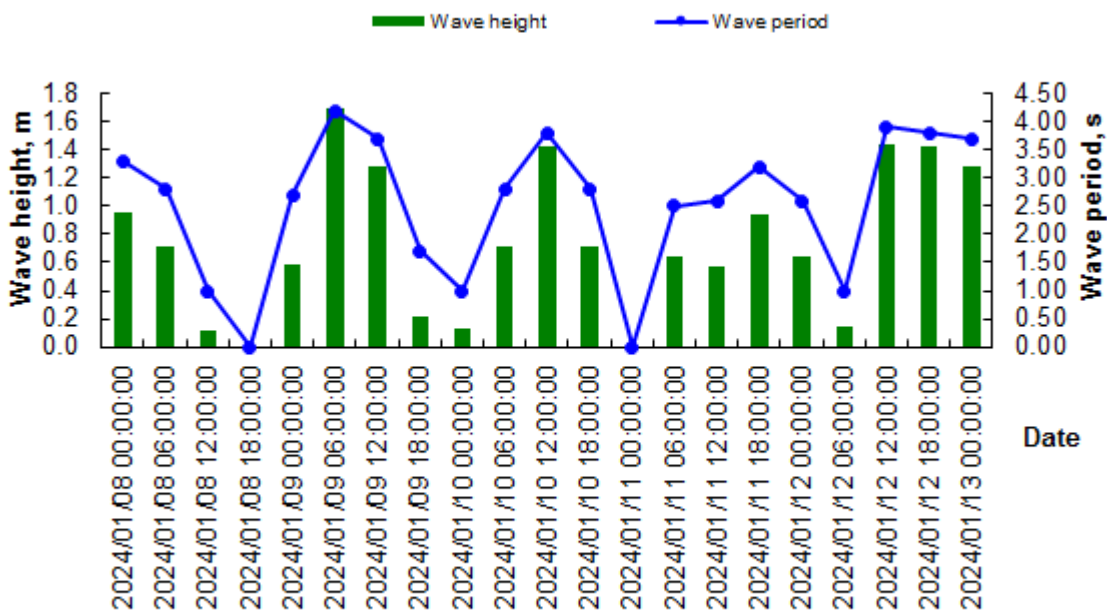
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 January 2023.**

Wind condition in the 21050 unit



Wave condition in the 21050 unit



Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/01/08 00:00:00	9	SW	0.95	3.30
2024/01/08 06:00:00	8	SW	0.71	2.80
2024/01/08 12:00:00	3	W	0.12	1.00
2024/01/08 18:00:00	2	N	0.00	0.00
2024/01/09 00:00:00	6	NE	0.58	2.70
2024/01/09 06:00:00	14	SE	1.70	4.20
2024/01/09 12:00:00	11	SE	1.28	3.70
2024/01/09 18:00:00	4	E	0.22	1.70
2024/01/10 00:00:00	3	NE	0.13	1.00
2024/01/10 06:00:00	8	E	0.71	2.80
2024/01/10 12:00:00	12	SE	1.43	3.80
2024/01/10 18:00:00	8	SE	0.71	2.80
2024/01/11 00:00:00	0	S	0.00	0.00
2024/01/11 06:00:00	7	N	0.64	2.50
2024/01/11 12:00:00	6	W	0.57	2.60
2024/01/11 18:00:00	9	NW	0.94	3.20
2024/01/12 00:00:00	7	NW	0.64	2.60
2024/01/12 06:00:00	3	S	0.15	1.00
2024/01/12 12:00:00	12	E	1.44	3.90
2024/01/12 18:00:00	12	SE	1.43	3.80
2024/01/13 00:00:00	11	SE	1.28	3.70

Made by: Shishkina G.M.

Checked by: Yeltay A.

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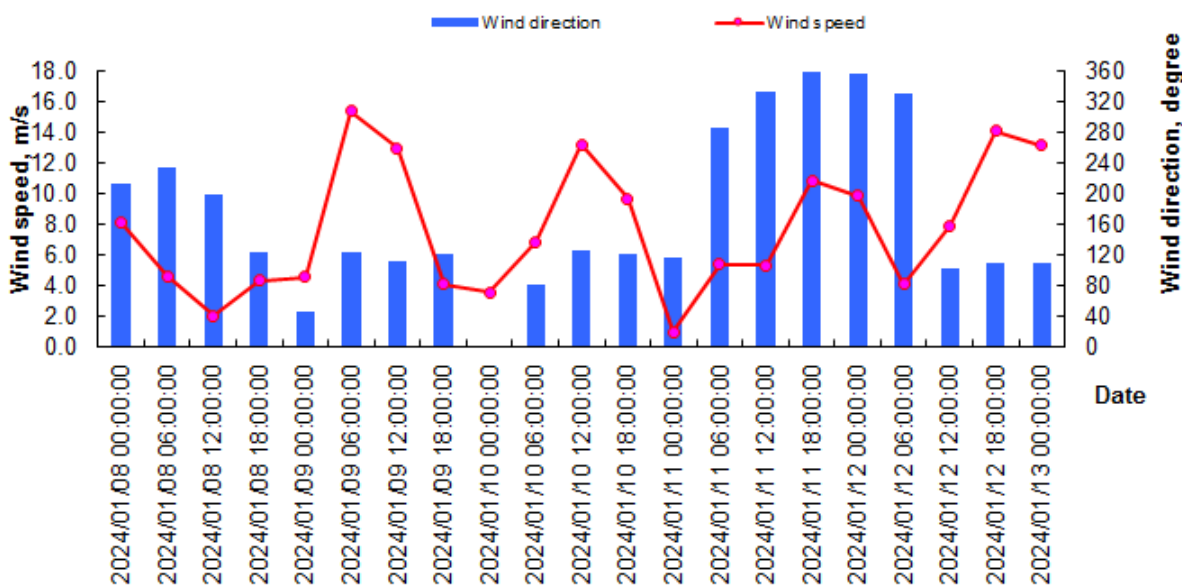


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
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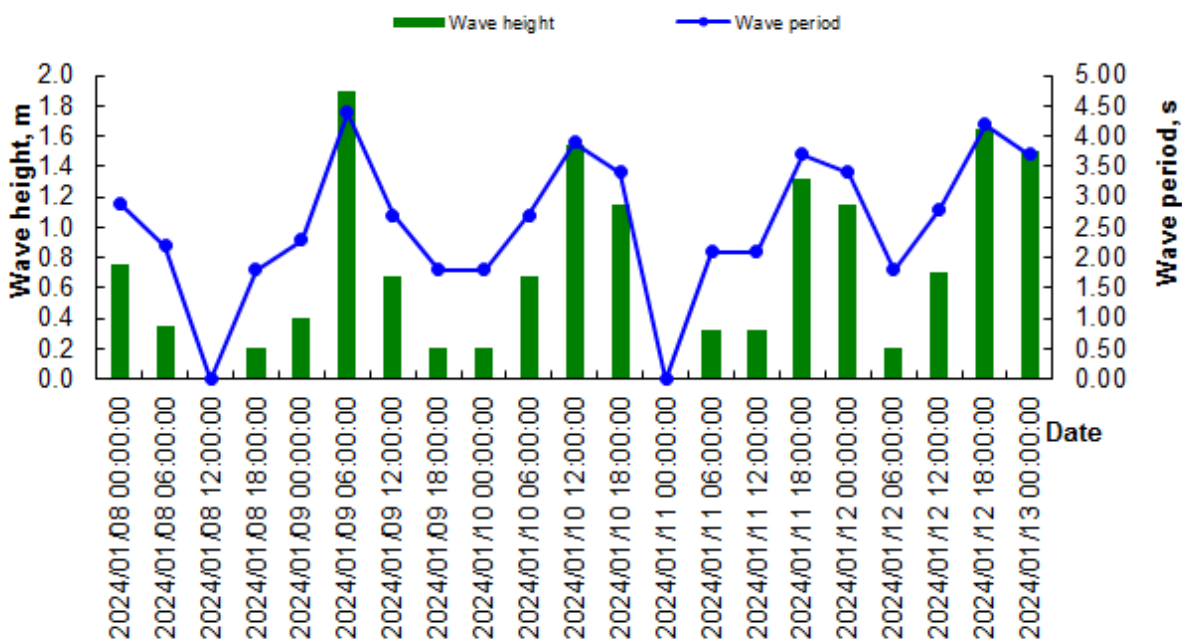
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 January 2023.**

Wind condition in the 21141 unit



Wave condition in the 21141 unit



Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/01/08 00:00:00	8	SW	0.75	2.90
2024/01/08 06:00:00	5	SW	0.35	2.20
2024/01/08 12:00:00	2	S	0.00	0.00
2024/01/08 18:00:00	4	SE	0.21	1.80
2024/01/09 00:00:00	5	NE	0.40	2.30
2024/01/09 06:00:00	15	SE	1.90	4.40
2024/01/09 12:00:00	7	E	0.68	2.70
2024/01/09 18:00:00	4	SE	0.21	1.80
2024/01/10 00:00:00	4	N	0.21	1.80
2024/01/10 06:00:00	7	E	0.68	2.70
2024/01/10 12:00:00	13	SE	1.55	3.90
2024/01/10 18:00:00	10	SE	1.15	3.40
2024/01/11 00:00:00	1	SE	0.00	0.00
2024/01/11 06:00:00	5	W	0.32	2.10
2024/01/11 12:00:00	5	NW	0.32	2.10
2024/01/11 18:00:00	11	N	1.32	3.70
2024/01/12 00:00:00	10	N	1.15	3.40
2024/01/12 06:00:00	4	NW	0.20	1.80
2024/01/12 12:00:00	8	E	0.71	2.80
2024/01/12 18:00:00	14	E	1.65	4.20
2024/01/13 00:00:00	13	E	1.51	3.70

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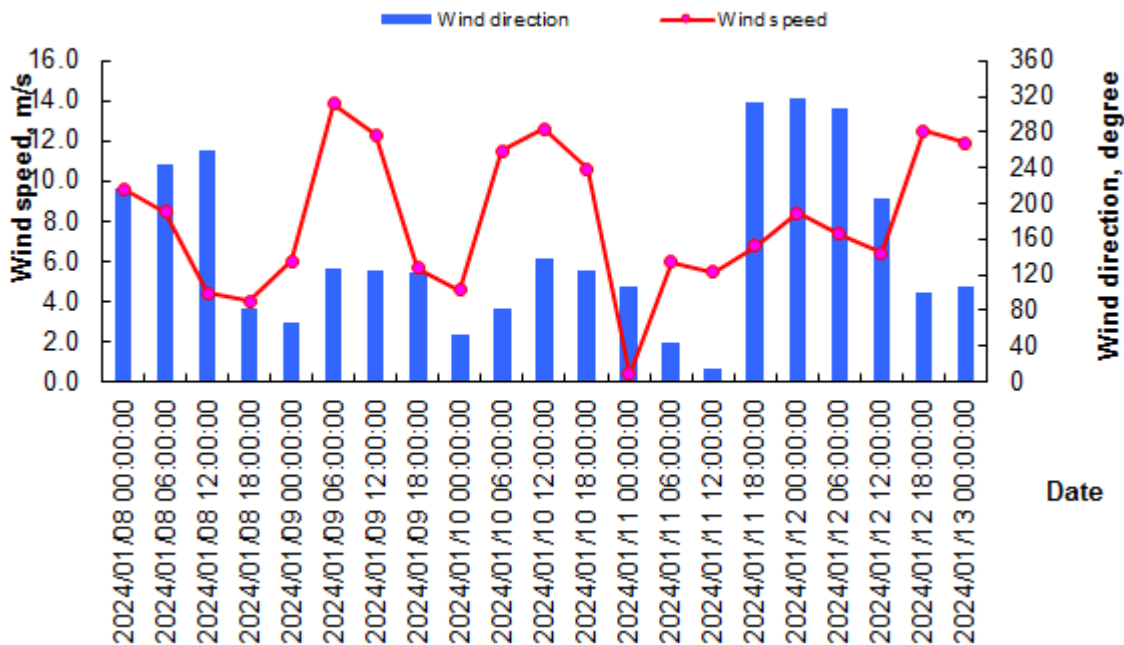


MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
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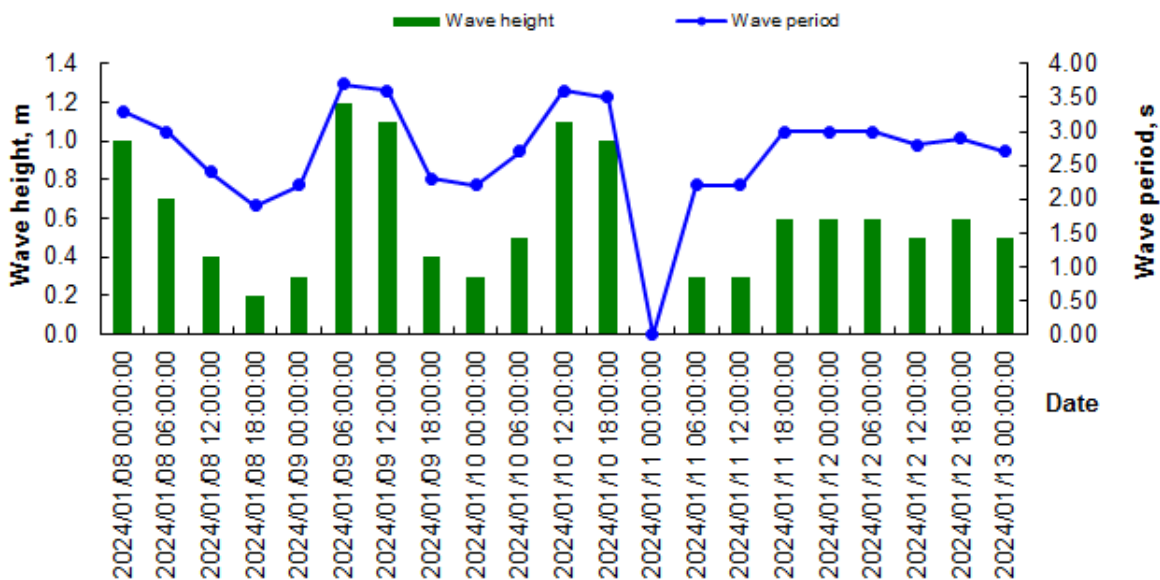
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 January 2023.

Wind condition in the Bautino Bay



Wave condition in the Bautino Bay



Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/01/08 00:00:00	10	SW	1.00	3.30
2024/01/08 06:00:00	8	SW	0.70	3.00
2024/01/08 12:00:00	4	W	0.40	2.40
2024/01/08 18:00:00	4	E	0.20	1.90
2024/01/09 00:00:00	6	NE	0.30	2.20
2024/01/09 06:00:00	14	SE	1.20	3.70
2024/01/09 12:00:00	12	SE	1.10	3.60
2024/01/09 18:00:00	6	SE	0.40	2.30
2024/01/10 00:00:00	5	NE	0.30	2.20
2024/01/10 06:00:00	12	E	0.50	2.70
2024/01/10 12:00:00	13	SE	1.10	3.60
2024/01/10 18:00:00	11	SE	1.00	3.50
2024/01/11 00:00:00	0	E	0.00	0.00
2024/01/11 06:00:00	6	NE	0.30	2.20
2024/01/11 12:00:00	5	N	0.30	2.20
2024/01/11 18:00:00	7	NW	0.60	3.00
2024/01/12 00:00:00	8	NW	0.60	3.00
2024/01/12 06:00:00	7	NW	0.60	3.00
2024/01/12 12:00:00	6	SW	0.50	2.80
2024/01/12 18:00:00	13	E	0.60	2.90
2024/01/13 00:00:00	12	E	0.50	2.70

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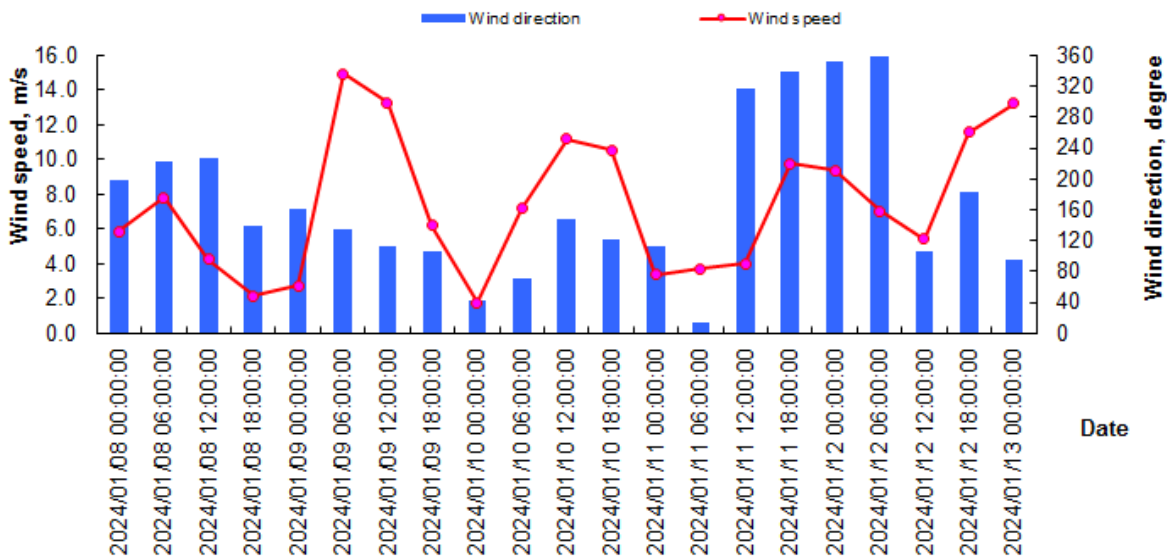


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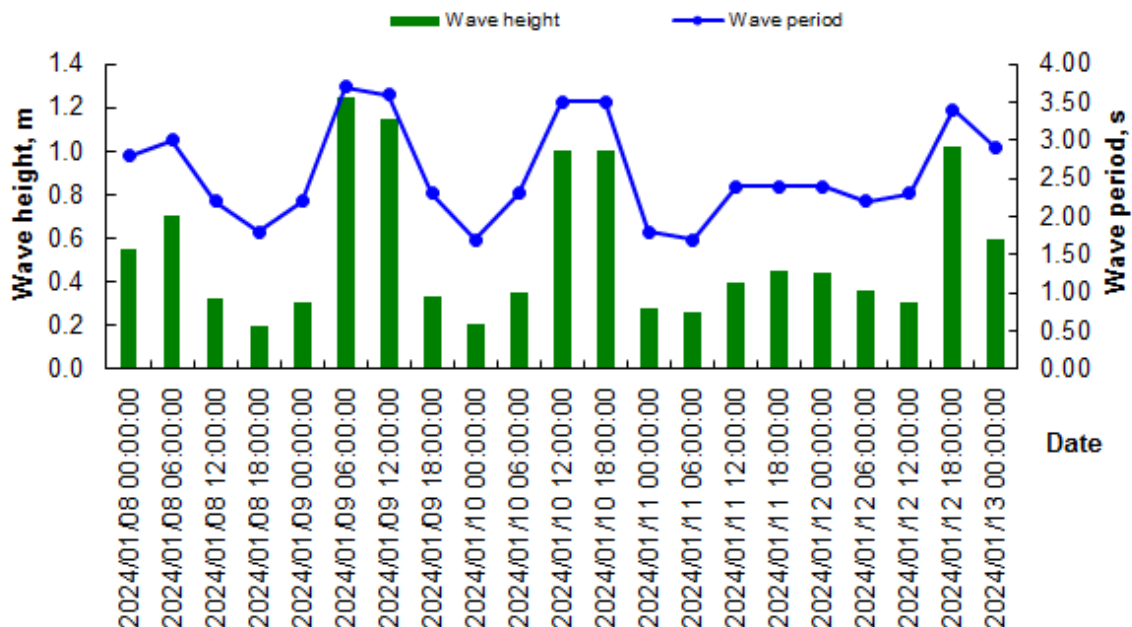
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 January 2024.**

Wind condition in the Kuryik Bay



Wave condition in the Kuryik Bay



Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/01/08 00:00:00	6	S	0.55	2.80
2024/01/08 06:00:00	8	SW	0.70	3.00
2024/01/08 12:00:00	4	SW	0.32	2.20
2024/01/08 18:00:00	2	SE	0.20	1.80
2024/01/09 00:00:00	3	S	0.31	2.20
2024/01/09 06:00:00	15	SE	1.25	3.70
2024/01/09 12:00:00	13	SE	1.15	3.60
2024/01/09 18:00:00	6	E	0.33	2.30
2024/01/10 00:00:00	2	NE	0.21	1.70
2024/01/10 06:00:00	7	E	0.35	2.30
2024/01/10 12:00:00	11	SE	1.00	3.50
2024/01/10 18:00:00	11	SE	1.00	3.50
2024/01/11 00:00:00	3	SE	0.28	1.80
2024/01/11 06:00:00	4	N	0.26	1.70
2024/01/11 12:00:00	4	NW	0.40	2.40
2024/01/11 18:00:00	10	N	0.45	2.40
2024/01/12 00:00:00	9	N	0.44	2.40
2024/01/12 06:00:00	7	N	0.36	2.20
2024/01/12 12:00:00	5	E	0.31	2.30
2024/01/12 18:00:00	12	S	1.02	3.40
2024/01/13 00:00:00	13	E	0.60	2.90

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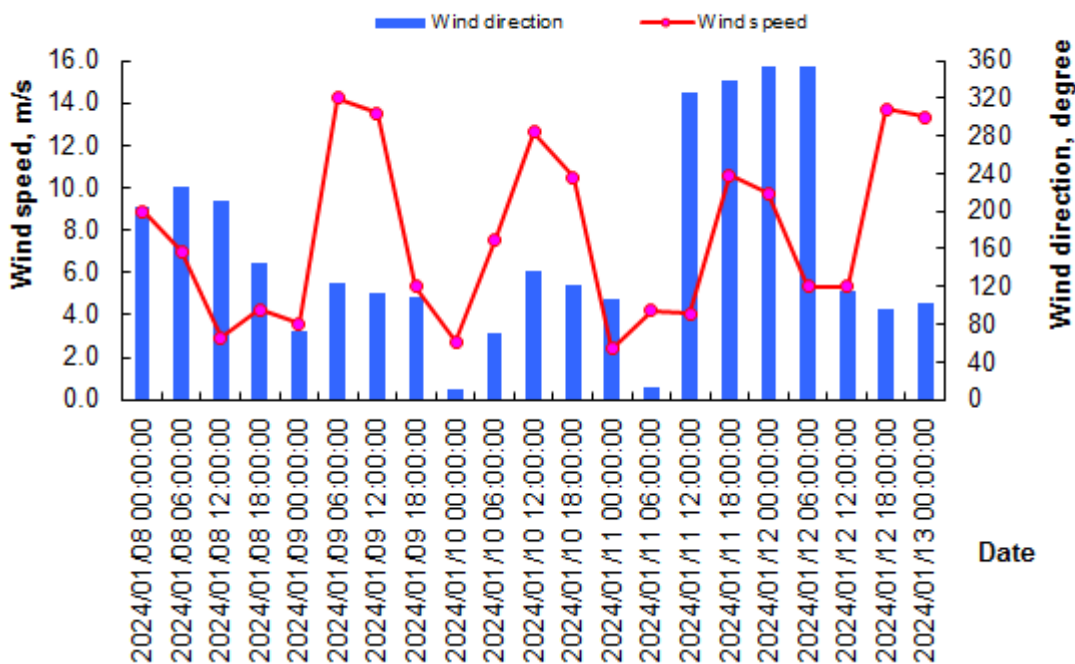


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REPUBLIC OF KAZAKHSTAN**

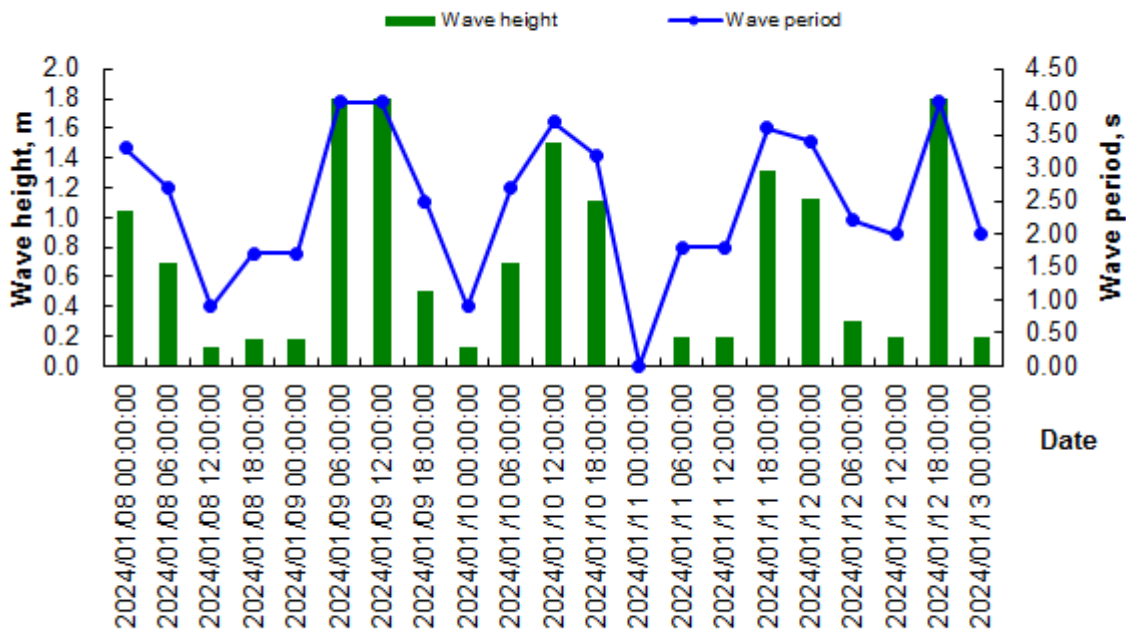
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 08-13 January 2023.**

Wind condition in the 21142 unit



Wave condition in the 21142 unit



Date Time	Wind speed (WS) and wind direction (WD)		Wave height (H) and wave period (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/01/08 00:00:00	9	SW	1.05	3.30
2024/01/08 06:00:00	7	SW	0.70	2.70
2024/01/08 12:00:00	3	SW	0.13	0.90
2024/01/08 18:00:00	4	SE	0.18	1.70
2024/01/09 00:00:00	4	E	0.18	1.70
2024/01/09 06:00:00	14	SE	1.80	4.00
2024/01/09 12:00:00	14	SE	1.80	4.00
2024/01/09 18:00:00	6	E	0.51	2.50
2024/01/10 00:00:00	3	N	0.13	0.90
2024/01/10 06:00:00	8	E	0.70	2.70
2024/01/10 12:00:00	13	SE	1.50	3.70
2024/01/10 18:00:00	10	SE	1.11	3.20
2024/01/11 00:00:00	2	E	0.00	0.00
2024/01/11 06:00:00	4	N	0.20	1.80
2024/01/11 12:00:00	4	NW	0.19	1.80
2024/01/11 18:00:00	11	N	1.32	3.60
2024/01/12 00:00:00	10	N	1.13	3.40
2024/01/12 06:00:00	5	N	0.30	2.20
2024/01/12 12:00:00	5	SE	0.20	2.00
2024/01/12 18:00:00	14	E	1.80	4.00
2024/01/13 00:00:00	5	E	0.20	2.00

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