

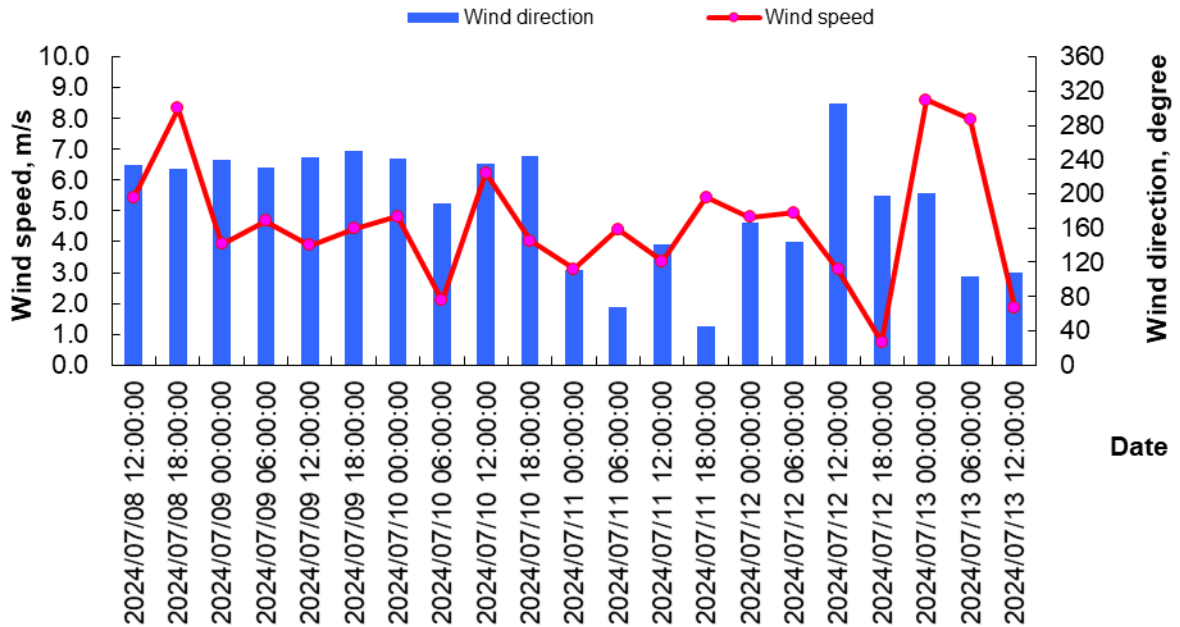


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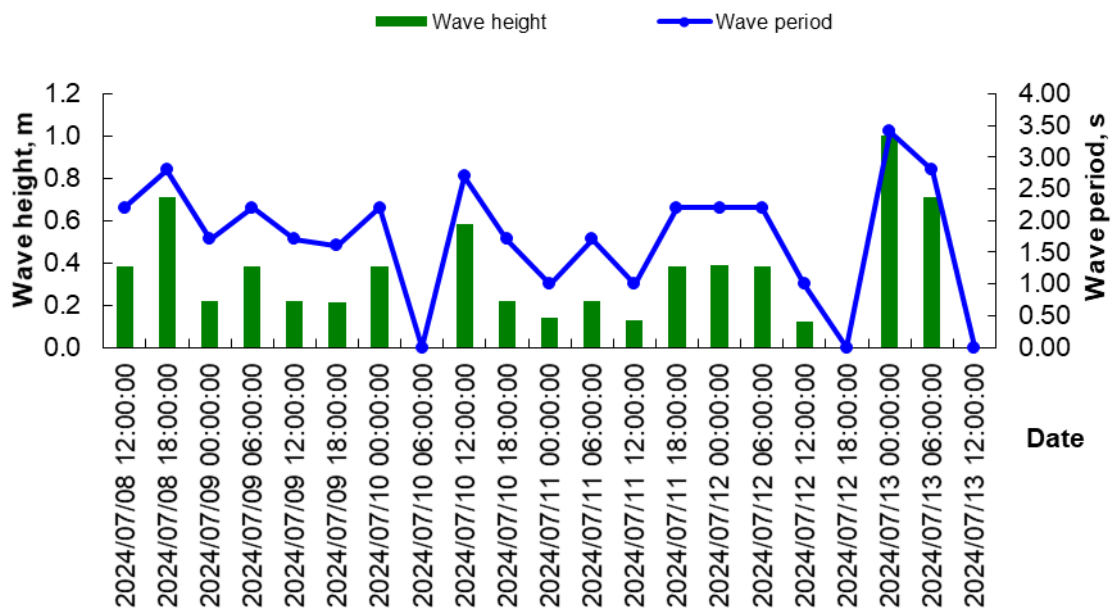
**REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»**

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

**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 ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
2024/07/08 12:00:00	5	SW	0.38	2.20
2024/07/08 18:00:00	8	SW	0.71	2.80
2024/07/09 00:00:00	4	SW	0.22	1.70
2024/07/09 06:00:00	5	SW	0.38	2.20
2024/07/09 12:00:00	4	SW	0.22	1.70
2024/07/09 18:00:00	4	W	0.21	1.60
2024/07/10 00:00:00	5	SW	0.38	2.20
2024/07/10 06:00:00	2	S	0.00	0.00
2024/07/10 12:00:00	6	SW	0.58	2.70
2024/07/10 18:00:00	4	SW	0.22	1.70
2024/07/11 00:00:00	3	E	0.14	1.00
2024/07/11 06:00:00	4	E	0.22	1.70
2024/07/11 12:00:00	3	SE	0.13	1.00
2024/07/11 18:00:00	5	NE	0.38	2.20
2024/07/12 00:00:00	5	S	0.39	2.20
2024/07/12 06:00:00	5	SE	0.38	2.20
2024/07/12 12:00:00	3	NW	0.12	1.00
2024/07/12 18:00:00	1	S	0.00	0.00
2024/07/13 00:00:00	9	S	1.00	3.40
2024/07/13 06:00:00	8	E	0.71	2.80
2024/07/13 12:00:00	2	E	0.00	0.00

Made by: Zhagparova N.N

Checked by: Yeltay A.

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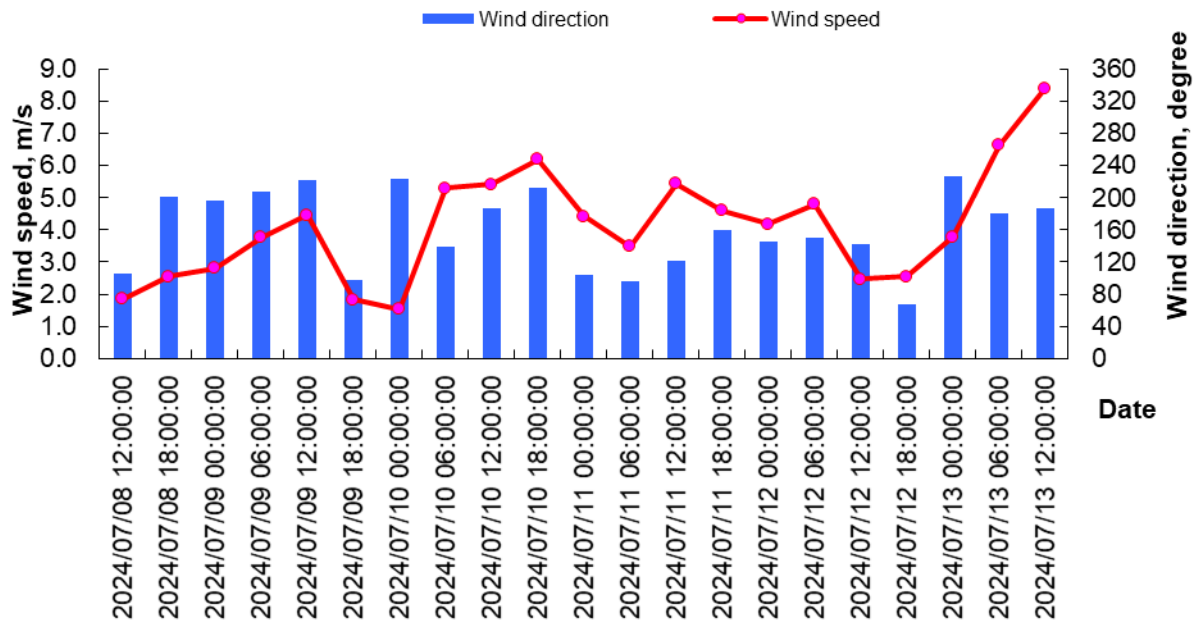


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE  
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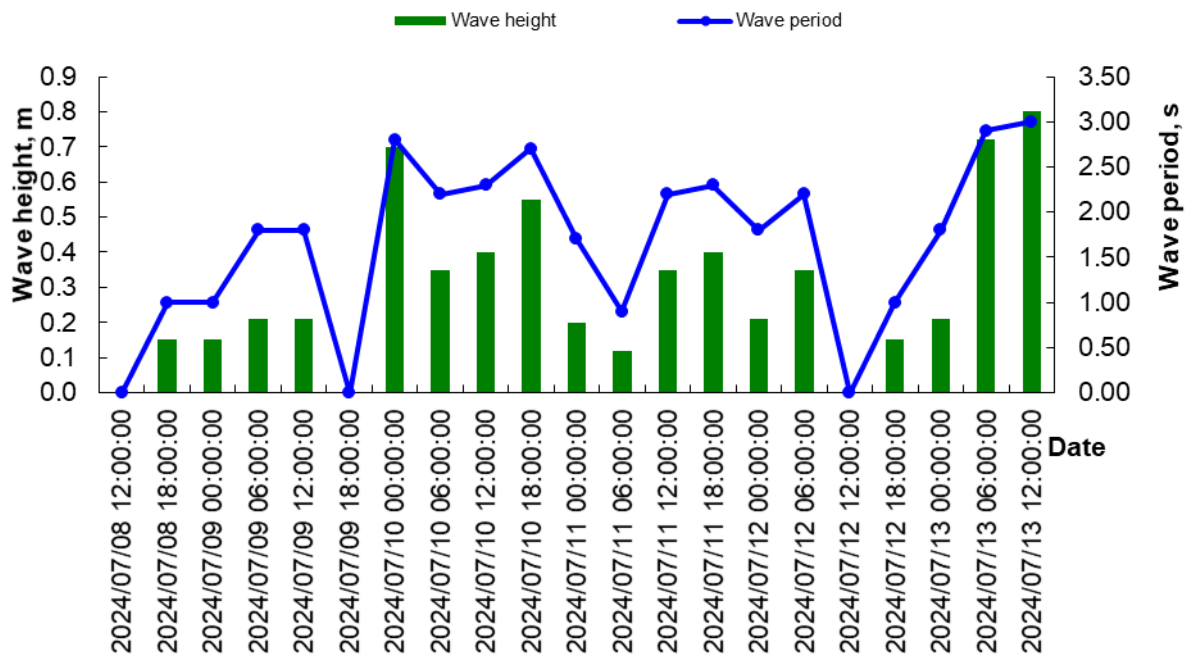
**REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»**

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

**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 ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
2024/07/08 12:00:00	2	E	0.00	0.00
2024/07/08 18:00:00	3	S	0.15	1.00
2024/07/09 00:00:00	3	S	0.15	1.00
2024/07/09 06:00:00	4	SW	0.21	1.80
2024/07/09 12:00:00	4	SW	0.21	1.80
2024/07/09 18:00:00	2	E	0.00	0.00
2024/07/10 00:00:00	7	SW	0.70	2.80
2024/07/10 06:00:00	5	SE	0.35	2.20
2024/07/10 12:00:00	5	S	0.40	2.30
2024/07/10 18:00:00	6	SW	0.55	2.70
2024/07/11 00:00:00	4	E	0.20	1.70
2024/07/11 06:00:00	3	E	0.12	0.90
2024/07/11 12:00:00	5	SE	0.35	2.20
2024/07/11 18:00:00	5	S	0.40	2.30
2024/07/12 00:00:00	4	SE	0.21	1.80
2024/07/12 06:00:00	5	SE	0.35	2.20
2024/07/12 12:00:00	2	SE	0.00	0.00
2024/07/12 18:00:00	3	NE	0.15	1.00
2024/07/13 00:00:00	4	SW	0.21	1.80
2024/07/13 06:00:00	7	S	0.72	2.90
2024/07/13 12:00:00	8	S	0.80	3.00

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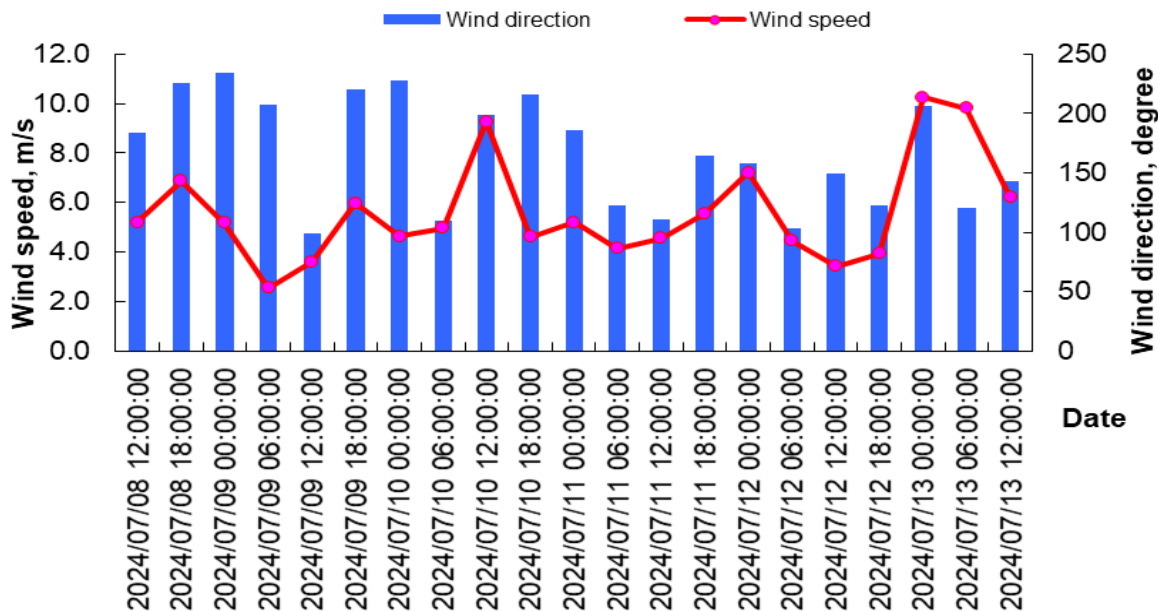


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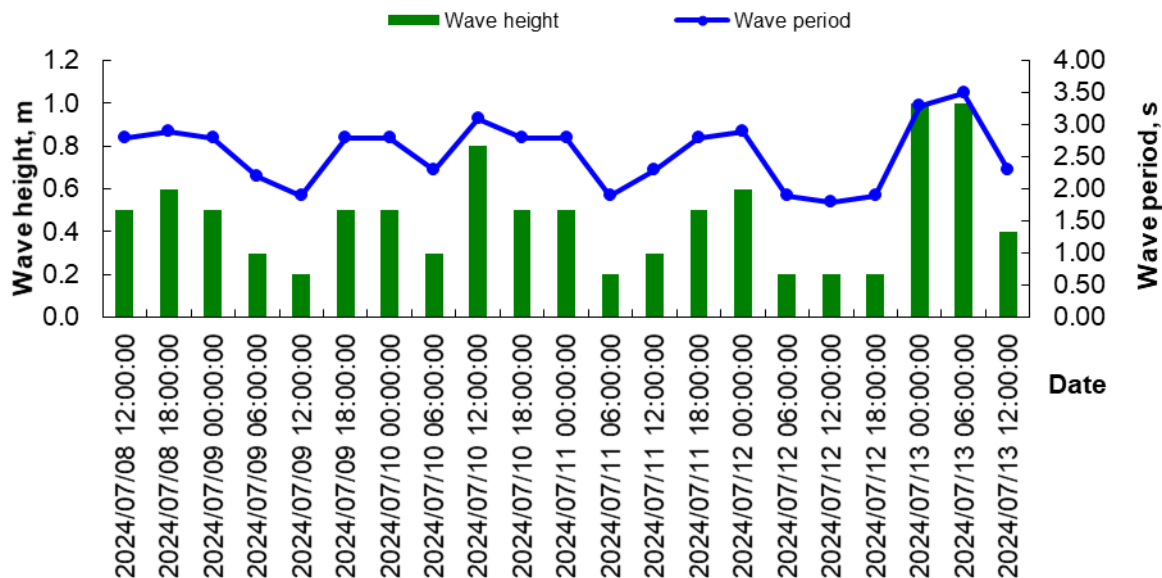
**REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»**

**Forecast of the wave and wind condition for Middle part of the Caspian Sea  
Probability – 5 days, period 27 08-13 July 2024.**

**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 ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
2024/07/08 12:00:00	5	S	0.50	2.80
2024/07/08 18:00:00	7	SW	0.60	2.90
2024/07/09 00:00:00	5	SW	0.50	2.80
2024/07/09 06:00:00	3	SW	0.30	2.20
2024/07/09 12:00:00	4	E	0.20	1.90
2024/07/09 18:00:00	6	SW	0.50	2.80
2024/07/10 00:00:00	5	SW	0.50	2.80
2024/07/10 06:00:00	5	E	0.30	2.30
2024/07/10 12:00:00	9	S	0.80	3.10
2024/07/10 18:00:00	5	SW	0.50	2.80
2024/07/11 00:00:00	5	S	0.50	2.80
2024/07/11 06:00:00	4	SE	0.20	1.90
2024/07/11 12:00:00	5	E	0.30	2.30
2024/07/11 18:00:00	6	S	0.50	2.80
2024/07/12 00:00:00	7	S	0.60	2.90
2024/07/12 06:00:00	4	E	0.20	1.90
2024/07/12 12:00:00	3	SE	0.20	1.80
2024/07/12 18:00:00	4	SE	0.20	1.90
2024/07/13 00:00:00	10	SW	1.00	3.30
2024/07/13 06:00:00	10	SE	1.00	3.50
2024/07/13 12:00:00	6	SE	0.40	2.30

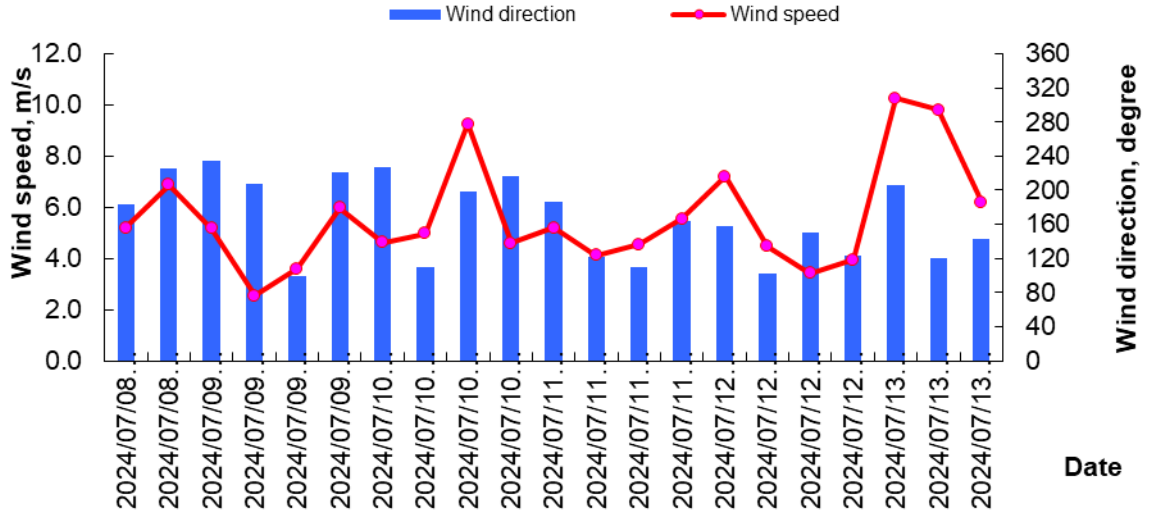
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Checked by: Yeltay A.

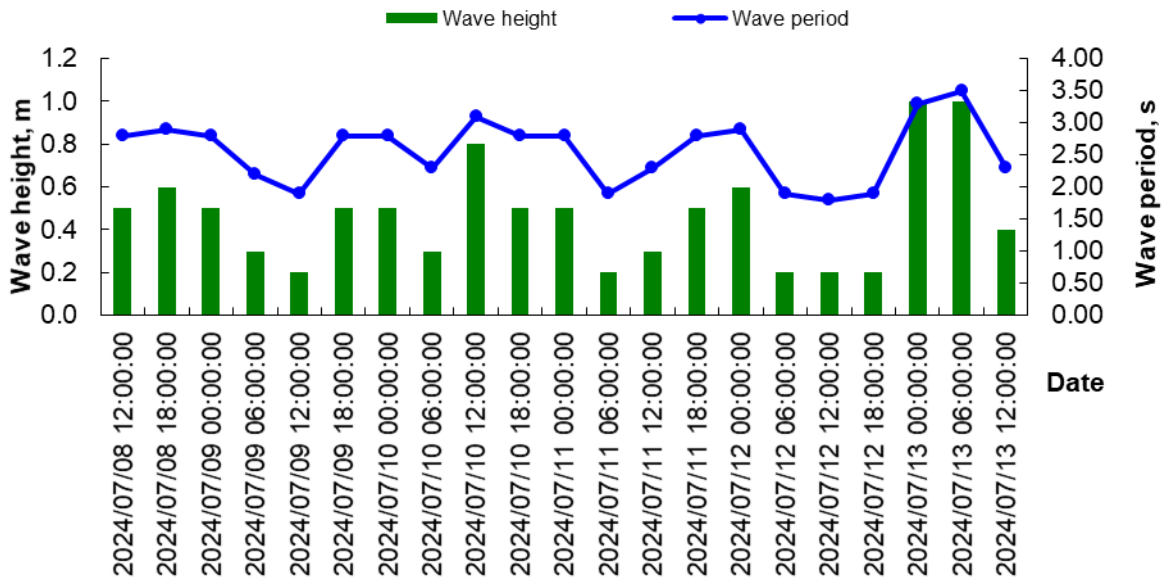
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e-mail: [ugmikm@meteo.kz](mailto:ugmikm@meteo.kz)

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

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 ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
2024/07/08 12:00:00	5	S	0.50	2.80
2024/07/08 18:00:00	7	SW	0.60	2.90
2024/07/09 00:00:00	5	SW	0.50	2.80
2024/07/09 06:00:00	3	SW	0.30	2.20
2024/07/09 12:00:00	4	E	0.20	1.90
2024/07/09 18:00:00	6	SW	0.50	2.80
2024/07/10 00:00:00	5	SW	0.50	2.80
2024/07/10 06:00:00	5	E	0.30	2.30
2024/07/10 12:00:00	9	S	0.80	3.10
2024/07/10 18:00:00	5	SW	0.50	2.80
2024/07/11 00:00:00	5	S	0.50	2.80
2024/07/11 06:00:00	4	SE	0.20	1.90
2024/07/11 12:00:00	5	E	0.30	2.30
2024/07/11 18:00:00	6	S	0.50	2.80
2024/07/12 00:00:00	7	S	0.60	2.90
2024/07/12 06:00:00	4	E	0.20	1.90
2024/07/12 12:00:00	3	SE	0.20	1.80
2024/07/12 18:00:00	4	SE	0.20	1.90
2024/07/13 00:00:00	10	SW	1.00	3.30
2024/07/13 06:00:00	10	SE	1.00	3.50
2024/07/13 12:00:00	6	SE	0.40	2.30

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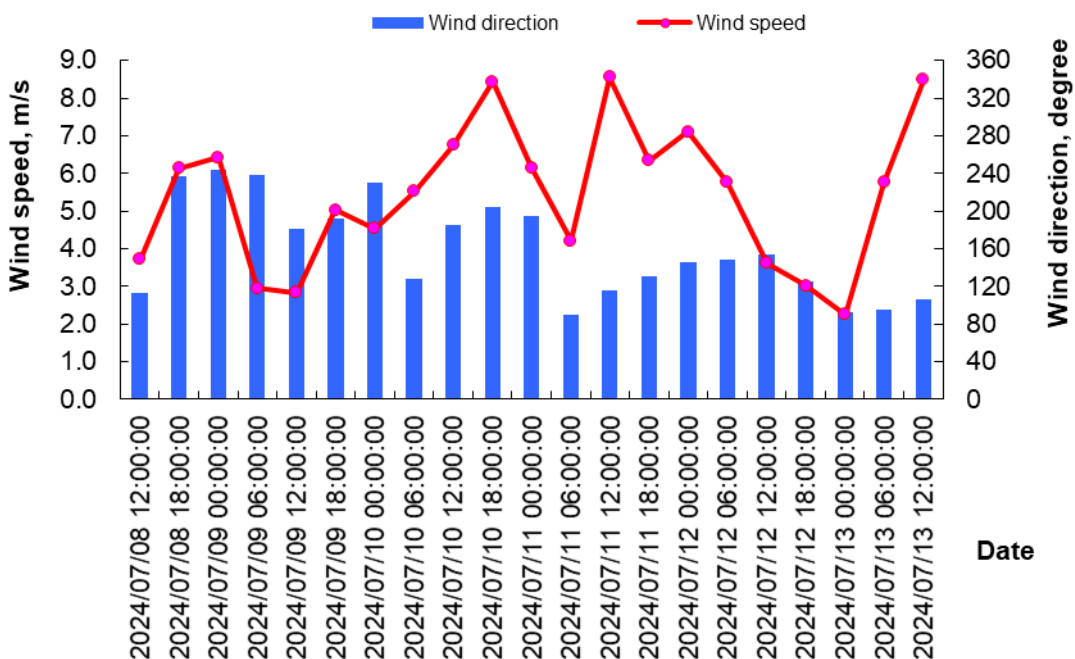


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE  
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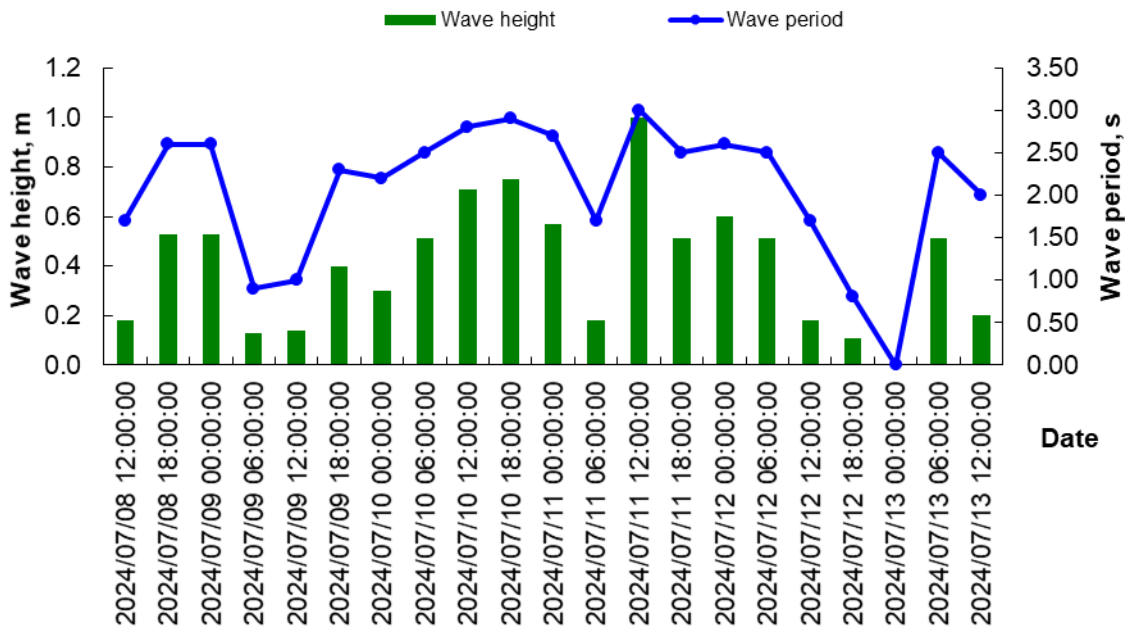
**REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»**

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

**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 ( $\tau$ )	
	WS, m/s	WD, rumb	H, m	t, s
2024/07/08 12:00:00	4	SE	0.18	1.70
2024/07/08 18:00:00	6	SW	0.53	2.60
2024/07/09 00:00:00	6	SW	0.53	2.60
2024/07/09 06:00:00	3	SW	0.13	0.90
2024/07/09 12:00:00	3	S	0.14	1.00
2024/07/09 18:00:00	5	S	0.40	2.30
2024/07/10 00:00:00	5	SW	0.30	2.20
2024/07/10 06:00:00	6	SE	0.51	2.50
2024/07/10 12:00:00	7	S	0.71	2.80
2024/07/10 18:00:00	8	SW	0.75	2.90
2024/07/11 00:00:00	6	S	0.57	2.70
2024/07/11 06:00:00	4	E	0.18	1.70
2024/07/11 12:00:00	9	SE	1.00	3.00
2024/07/11 18:00:00	6	SE	0.51	2.50
2024/07/12 00:00:00	7	SE	0.60	2.60
2024/07/12 06:00:00	6	SE	0.51	2.50
2024/07/12 12:00:00	4	SE	0.18	1.70
2024/07/12 18:00:00	3	SE	0.11	0.80
2024/07/13 00:00:00	2	E	0.00	0.00
2024/07/13 06:00:00	6	E	0.51	2.50
2024/07/13 12:00:00	5	E	0.20	2.00

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