

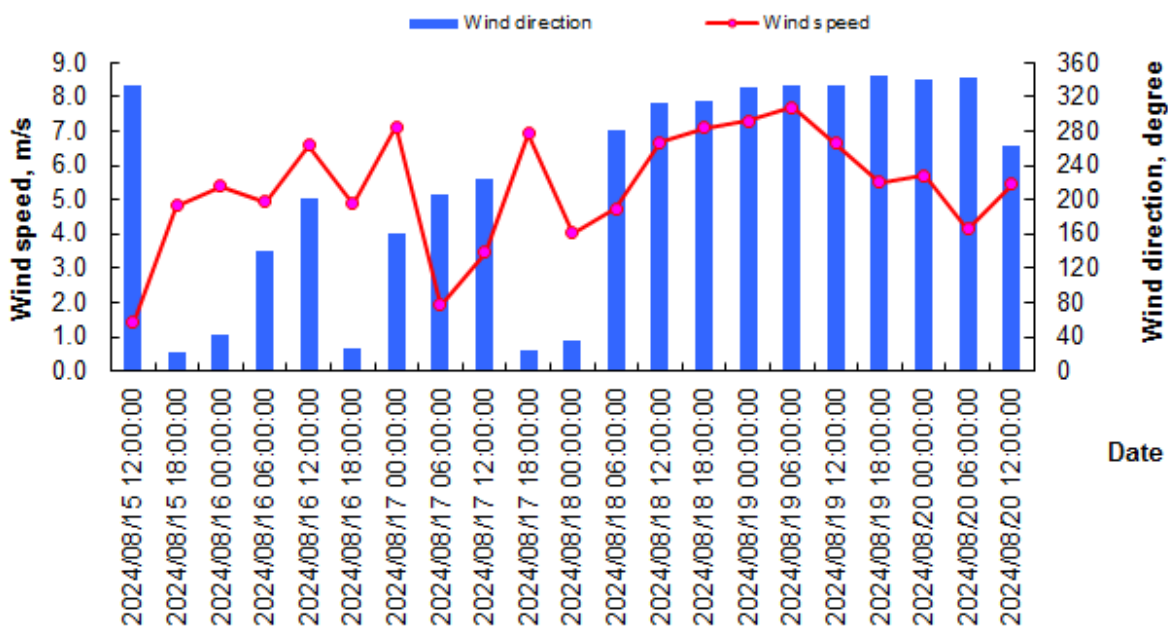


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

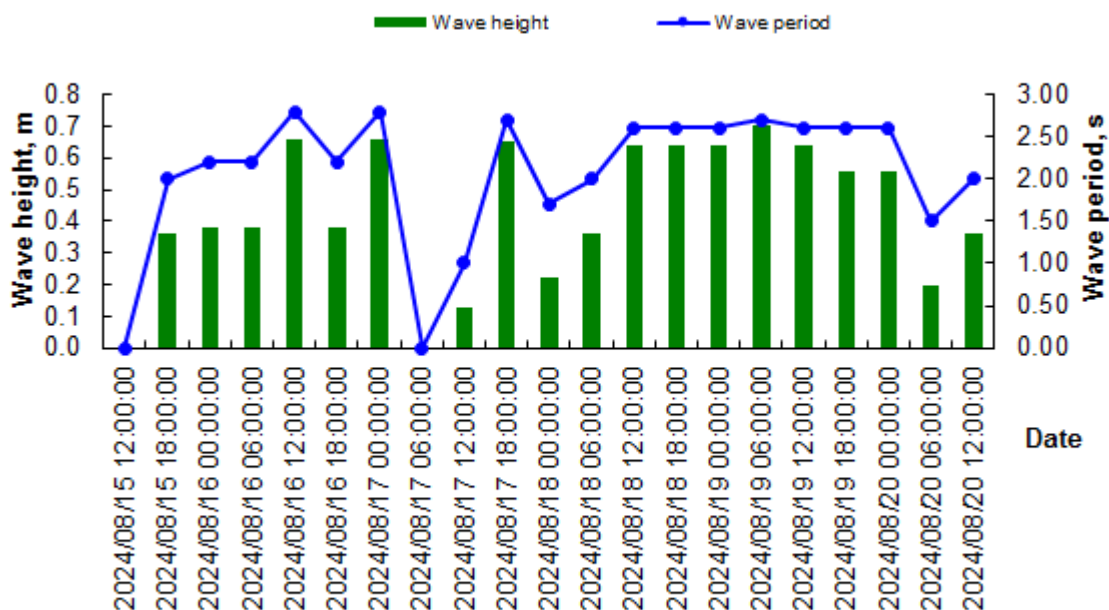
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period August 15-20, 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 (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/08/15 12:00:00	1	NW	0.00	0.00
2024/08/15 18:00:00	5	N	0.36	2.00
2024/08/16 00:00:00	5	NE	0.38	2.20
2024/08/16 06:00:00	5	SE	0.38	2.20
2024/08/16 12:00:00	7	S	0.66	2.80
2024/08/16 18:00:00	5	NE	0.38	2.20
2024/08/17 00:00:00	7	S	0.66	2.80
2024/08/17 06:00:00	2	SW	0.00	0.00
2024/08/17 12:00:00	3	SW	0.13	1.00
2024/08/17 18:00:00	7	NE	0.65	2.70
2024/08/18 00:00:00	4	NE	0.22	1.70
2024/08/18 06:00:00	5	W	0.36	2.00
2024/08/18 12:00:00	7	NW	0.64	2.60
2024/08/18 18:00:00	7	NW	0.64	2.60
2024/08/19 00:00:00	7	NW	0.64	2.60
2024/08/19 06:00:00	8	NW	0.70	2.70
2024/08/19 12:00:00	7	NW	0.64	2.60
2024/08/19 18:00:00	6	N	0.56	2.60
2024/08/20 00:00:00	6	N	0.56	2.60
2024/08/20 06:00:00	4	N	0.20	1.50
2024/08/20 12:00:00	5	W	0.36	2.00

Made by: Shishkina G.

Checked by: Yeltay A.

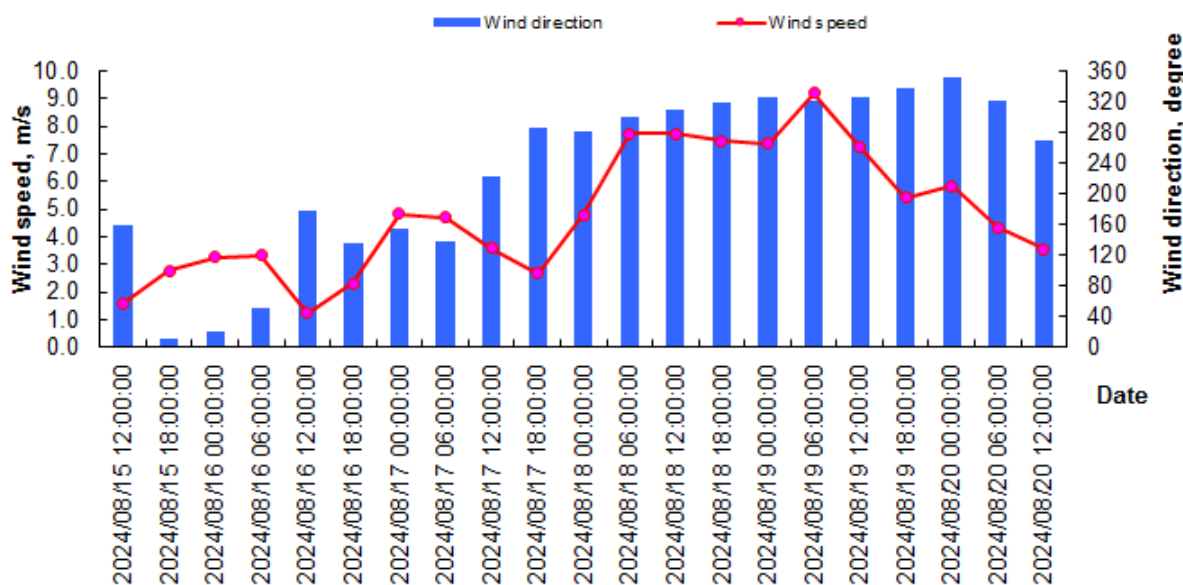


MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN

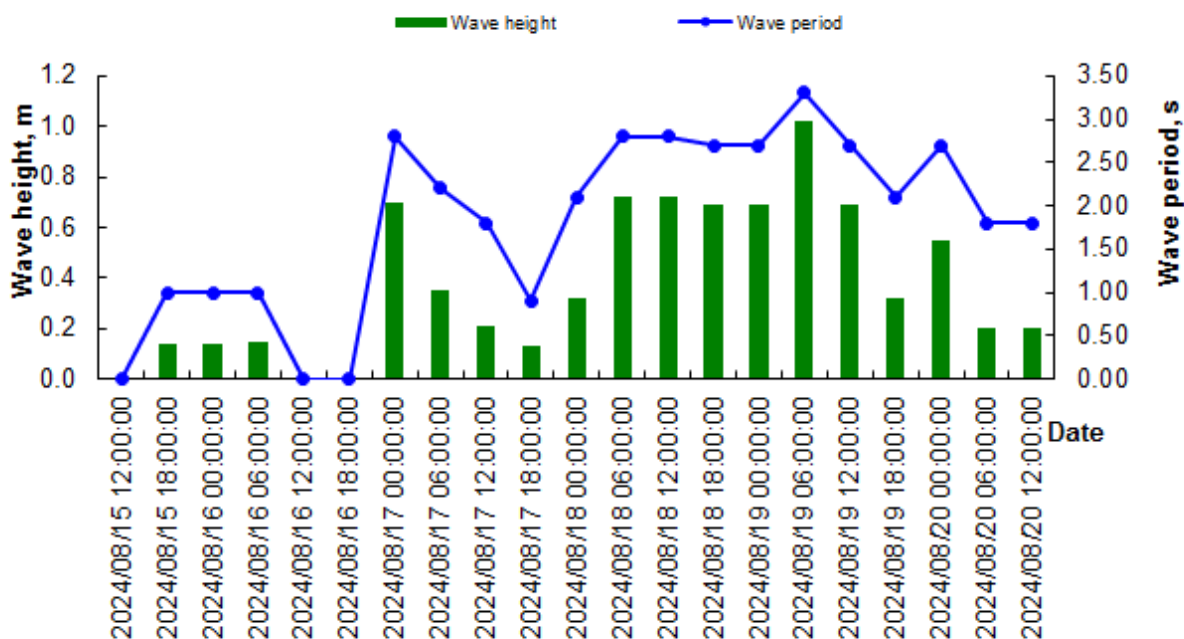
RSE «KAZHYDROMET»

Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period August 15-20, 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 (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/08/15 12:00:00	2	S	0.00	0.00
2024/08/15 18:00:00	3	N	0.14	1.00
2024/08/16 00:00:00	3	N	0.14	1.00
2024/08/16 06:00:00	3	NE	0.15	1.00
2024/08/16 12:00:00	1	S	0.00	0.00
2024/08/16 18:00:00	2	SE	0.00	0.00
2024/08/17 00:00:00	7	SE	0.70	2.80
2024/08/17 06:00:00	5	SE	0.35	2.20
2024/08/17 12:00:00	4	SW	0.21	1.80
2024/08/17 18:00:00	3	W	0.13	0.90
2024/08/18 00:00:00	5	W	0.32	2.10
2024/08/18 06:00:00	8	NW	0.72	2.80
2024/08/18 12:00:00	8	NW	0.72	2.80
2024/08/18 18:00:00	7	NW	0.69	2.70
2024/08/19 00:00:00	7	NW	0.69	2.70
2024/08/19 06:00:00	9	NW	1.02	3.30
2024/08/19 12:00:00	7	NW	0.69	2.70
2024/08/19 18:00:00	5	NW	0.32	2.10
2024/08/20 00:00:00	6	N	0.55	2.70
2024/08/20 06:00:00	4	NW	0.20	1.80
2024/08/20 12:00:00	4	W	0.20	1.80

Made by: Shishkina G.

Checked by: Yeltay A.

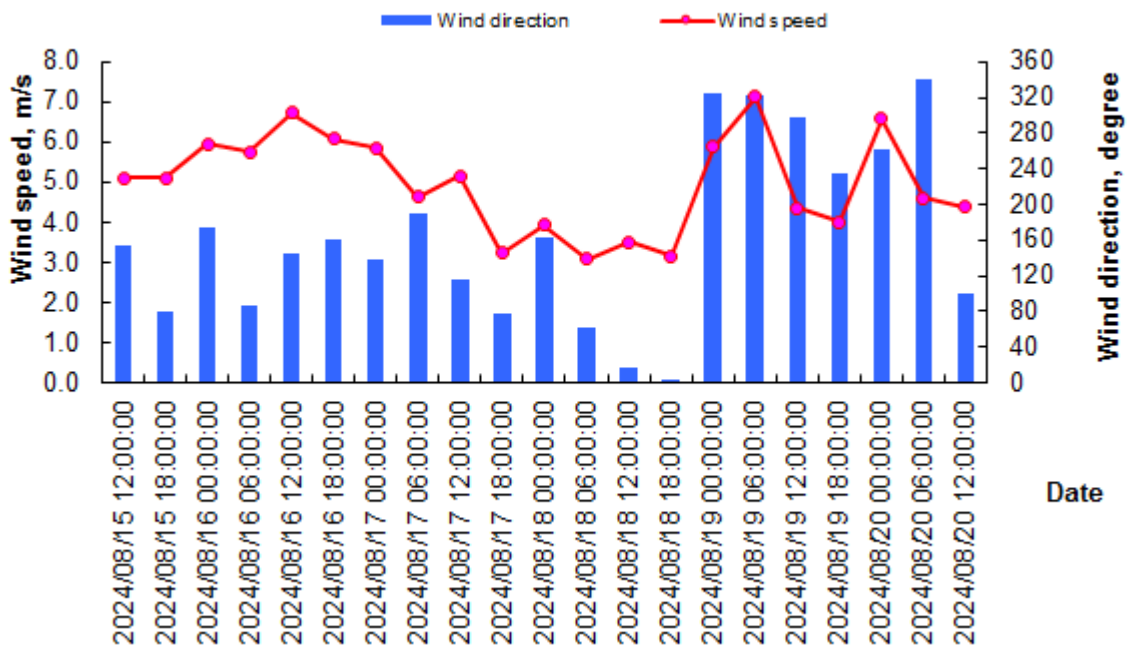


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

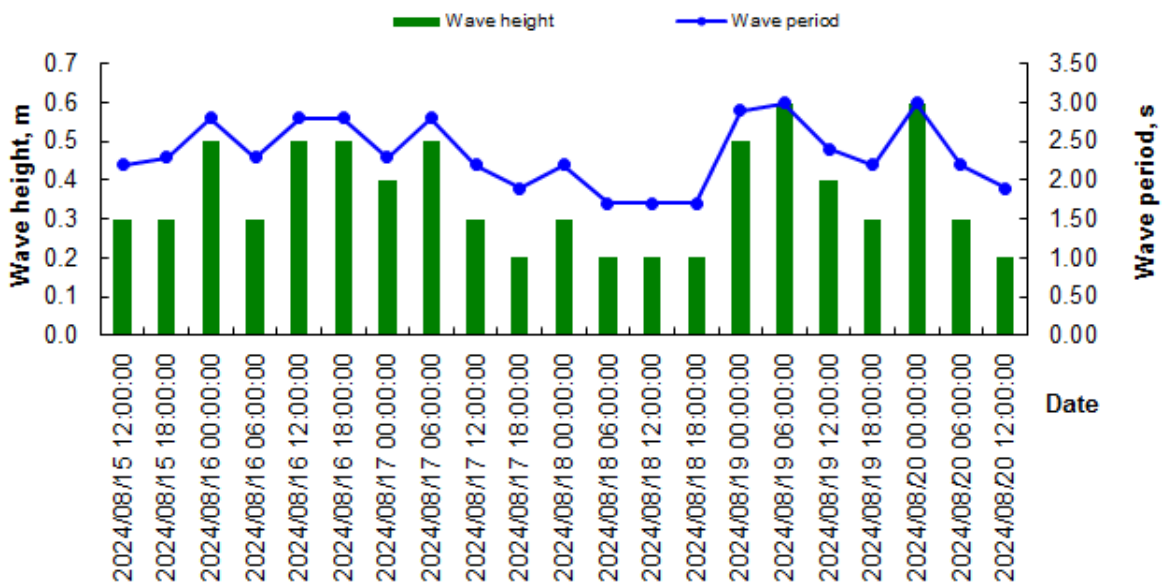
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period August 15-20, 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 (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/08/15 12:00:00	5	SE	0.30	2.20
2024/08/15 18:00:00	5	E	0.30	2.30
2024/08/16 00:00:00	6	S	0.50	2.80
2024/08/16 06:00:00	6	E	0.30	2.30
2024/08/16 12:00:00	7	SE	0.50	2.80
2024/08/16 18:00:00	6	S	0.50	2.80
2024/08/17 00:00:00	6	SE	0.40	2.30
2024/08/17 06:00:00	5	S	0.50	2.80
2024/08/17 12:00:00	5	SE	0.30	2.20
2024/08/17 18:00:00	3	E	0.20	1.90
2024/08/18 00:00:00	4	S	0.30	2.20
2024/08/18 06:00:00	3	NE	0.20	1.70
2024/08/18 12:00:00	3	N	0.20	1.70
2024/08/18 18:00:00	3	N	0.20	1.70
2024/08/19 00:00:00	6	NW	0.50	2.90
2024/08/19 06:00:00	7	NW	0.60	3.00
2024/08/19 12:00:00	4	NW	0.40	2.40
2024/08/19 18:00:00	4	SW	0.30	2.20
2024/08/20 00:00:00	7	W	0.60	3.00
2024/08/20 06:00:00	5	N	0.30	2.20
2024/08/20 12:00:00	4	E	0.20	1.90

Made by: Shishkina G.

Checked by: Yeltay A.

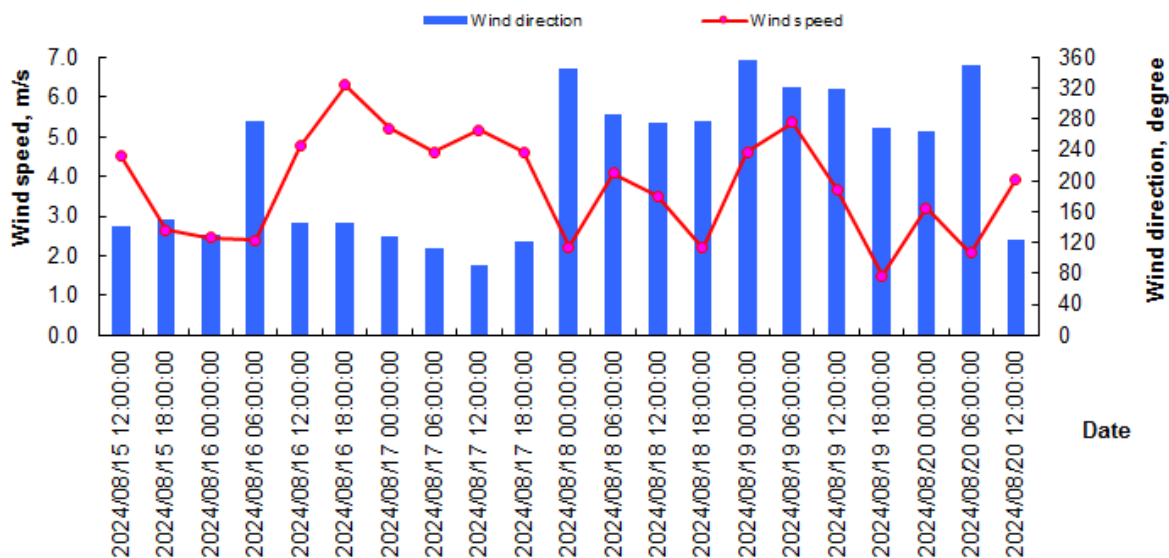


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

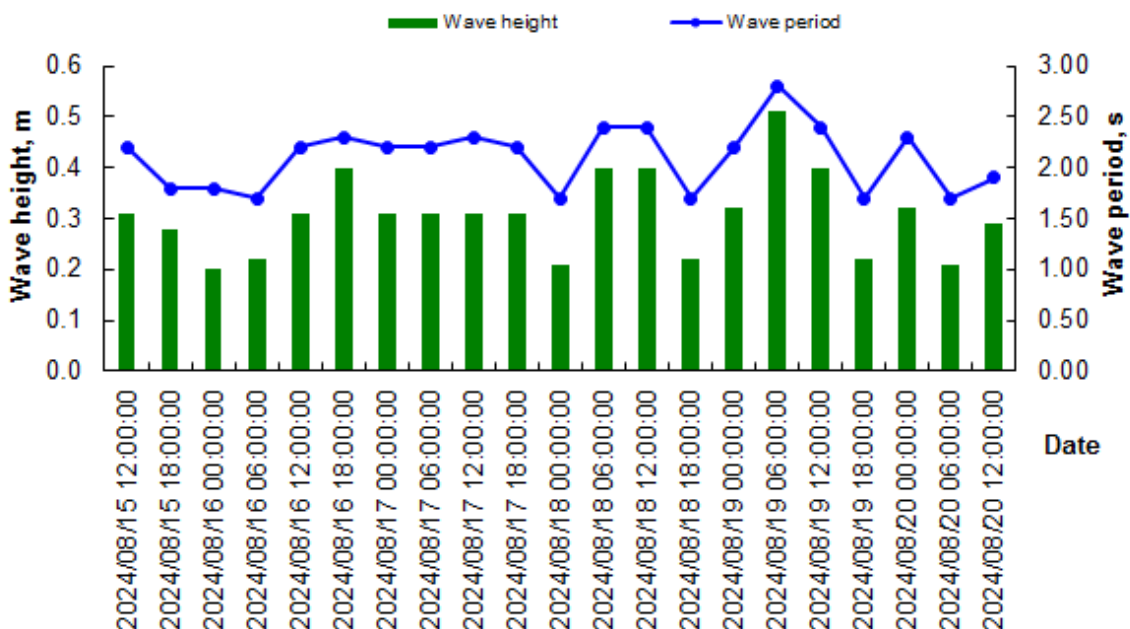
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period August 15-20, 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
2024/08/15 12:00:00	5	SE	0.31	2.20
2024/08/15 18:00:00	3	SE	0.28	1.80
2024/08/16 00:00:00	2	SE	0.20	1.80
2024/08/16 06:00:00	2	W	0.22	1.70
2024/08/16 12:00:00	5	SE	0.31	2.20
2024/08/16 18:00:00	6	SE	0.40	2.30
2024/08/17 00:00:00	5	SE	0.31	2.20
2024/08/17 06:00:00	5	SE	0.31	2.20
2024/08/17 12:00:00	5	E	0.31	2.30
2024/08/17 18:00:00	5	SE	0.31	2.20
2024/08/18 00:00:00	2	N	0.21	1.70
2024/08/18 06:00:00	4	W	0.40	2.40
2024/08/18 12:00:00	4	W	0.40	2.40
2024/08/18 18:00:00	2	W	0.22	1.70
2024/08/19 00:00:00	5	N	0.32	2.20
2024/08/19 06:00:00	5	NW	0.51	2.80
2024/08/19 12:00:00	4	NW	0.40	2.40
2024/08/19 18:00:00	2	W	0.22	1.70
2024/08/20 00:00:00	3	W	0.32	2.30
2024/08/20 06:00:00	2	N	0.21	1.70
2024/08/20 12:00:00	4	SE	0.29	1.90

Made by: Shishkina G.

Checked by: Yeltay A.

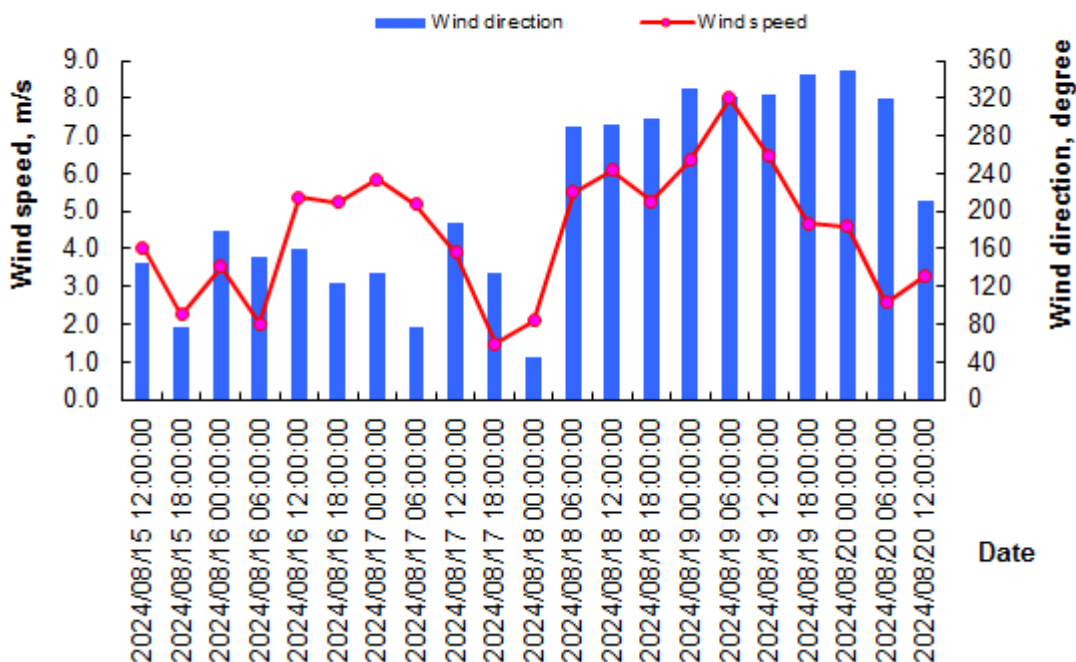


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN**

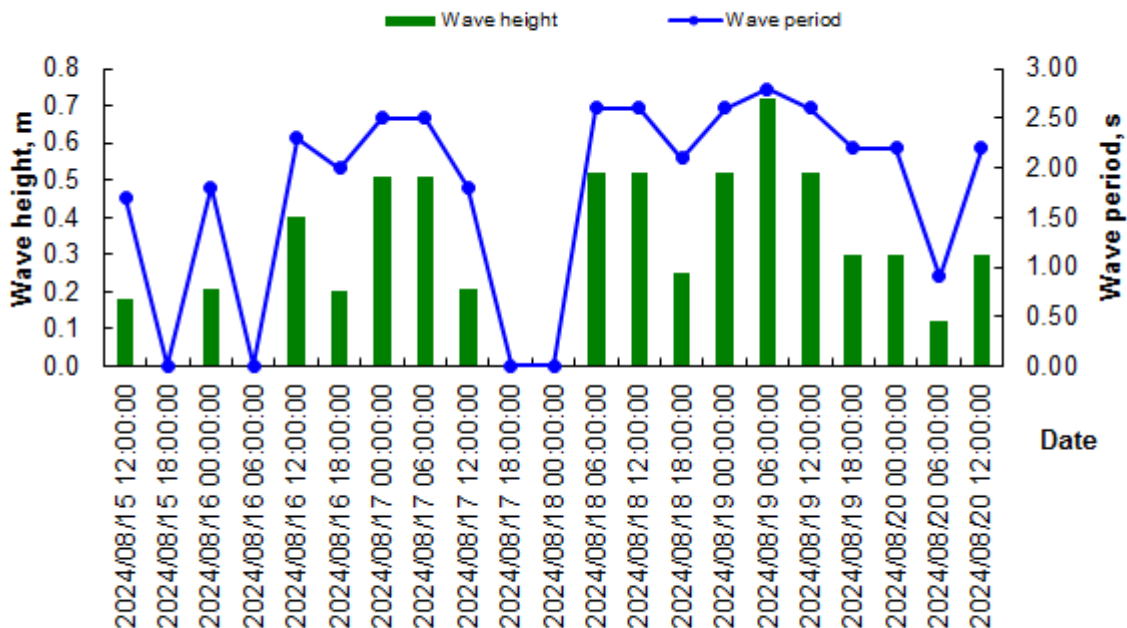
RSE «KAZHYDROMET»

**Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day
advance for the period August 15-20, 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 (τ)	
	WS, m/s	WD, rumb	H, m	t, s
2024/08/15 12:00:00	4	SE	0.18	1.70
2024/08/15 18:00:00	2	E	0.00	0.00
2024/08/16 00:00:00	4	S	0.21	1.80
2024/08/16 06:00:00	2	SE	0.00	0.00
2024/08/16 12:00:00	5	S	0.40	2.30
2024/08/16 18:00:00	5	SE	0.20	2.00
2024/08/17 00:00:00	6	SE	0.51	2.50
2024/08/17 06:00:00	6	E	0.51	2.50
2024/08/17 12:00:00	4	S	0.21	1.80
2024/08/17 18:00:00	1	SE	0.00	0.00
2024/08/18 00:00:00	2	NE	0.00	0.00
2024/08/18 06:00:00	6	W	0.52	2.60
2024/08/18 12:00:00	6	W	0.52	2.60
2024/08/18 18:00:00	5	NW	0.25	2.10
2024/08/19 00:00:00	6	NW	0.52	2.60
2024/08/19 06:00:00	8	NW	0.72	2.80
2024/08/19 12:00:00	6	NW	0.52	2.60
2024/08/19 18:00:00	5	N	0.30	2.20
2024/08/20 00:00:00	5	N	0.30	2.20
2024/08/20 06:00:00	3	NW	0.12	0.90
2024/08/20 12:00:00	5	SW	0.30	2.20

Made by: Shishkina G.

Checked by: Yeltay A.