

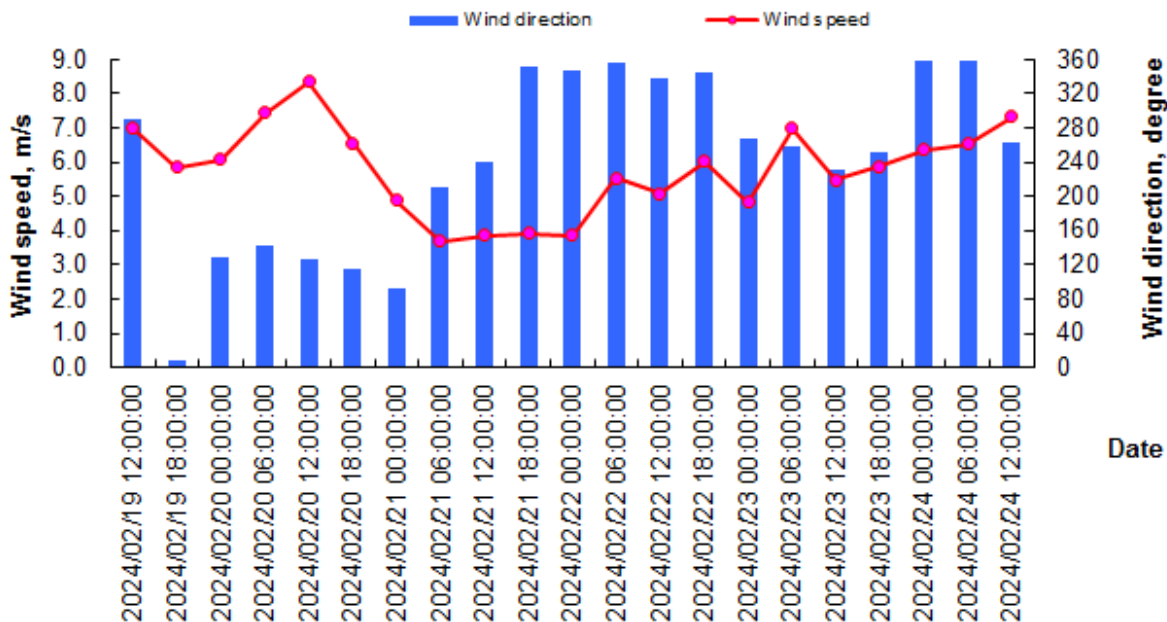


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

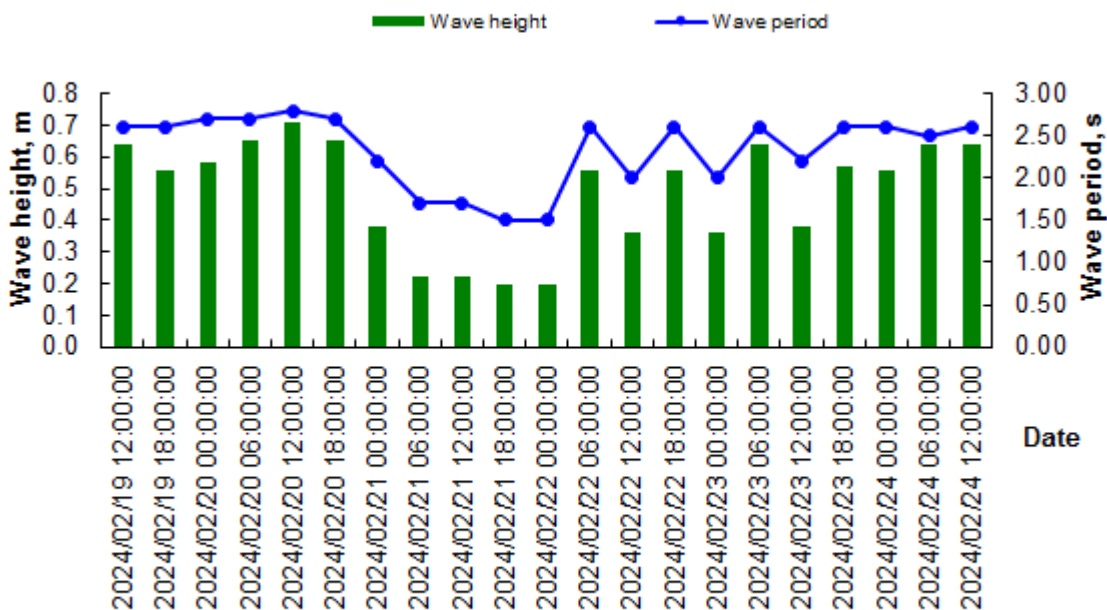
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 19-24 February 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
2024/02/19 12:00:00	7	W	0.64	2.60
2024/02/19 18:00:00	6	N	0.56	2.60
2024/02/20 00:00:00	6	SE	0.58	2.70
2024/02/20 06:00:00	7	SE	0.65	2.70
2024/02/20 12:00:00	8	SE	0.71	2.80
2024/02/20 18:00:00	7	SE	0.65	2.70
2024/02/21 00:00:00	5	E	0.38	2.20
2024/02/21 06:00:00	4	SW	0.22	1.70
2024/02/21 12:00:00	4	SW	0.22	1.70
2024/02/21 18:00:00	4	N	0.20	1.50
2024/02/22 00:00:00	4	N	0.20	1.50
2024/02/22 06:00:00	6	N	0.56	2.60
2024/02/22 12:00:00	5	N	0.36	2.00
2024/02/22 18:00:00	6	N	0.56	2.60
2024/02/23 00:00:00	5	W	0.36	2.00
2024/02/23 06:00:00	7	W	0.64	2.60
2024/02/23 12:00:00	5	SW	0.38	2.20
2024/02/23 18:00:00	6	W	0.57	2.60
2024/02/24 00:00:00	6	N	0.56	2.60
2024/02/24 06:00:00	7	N	0.64	2.50
2024/02/24 12:00:00	7	W	0.64	2.60

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: ugmikm@meteo.kz

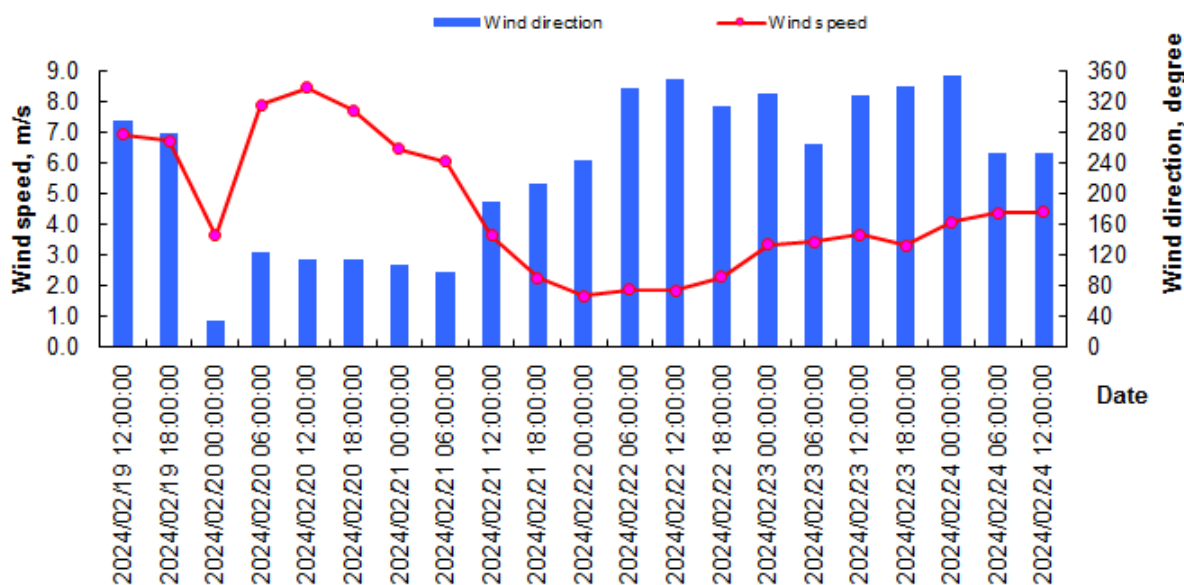


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

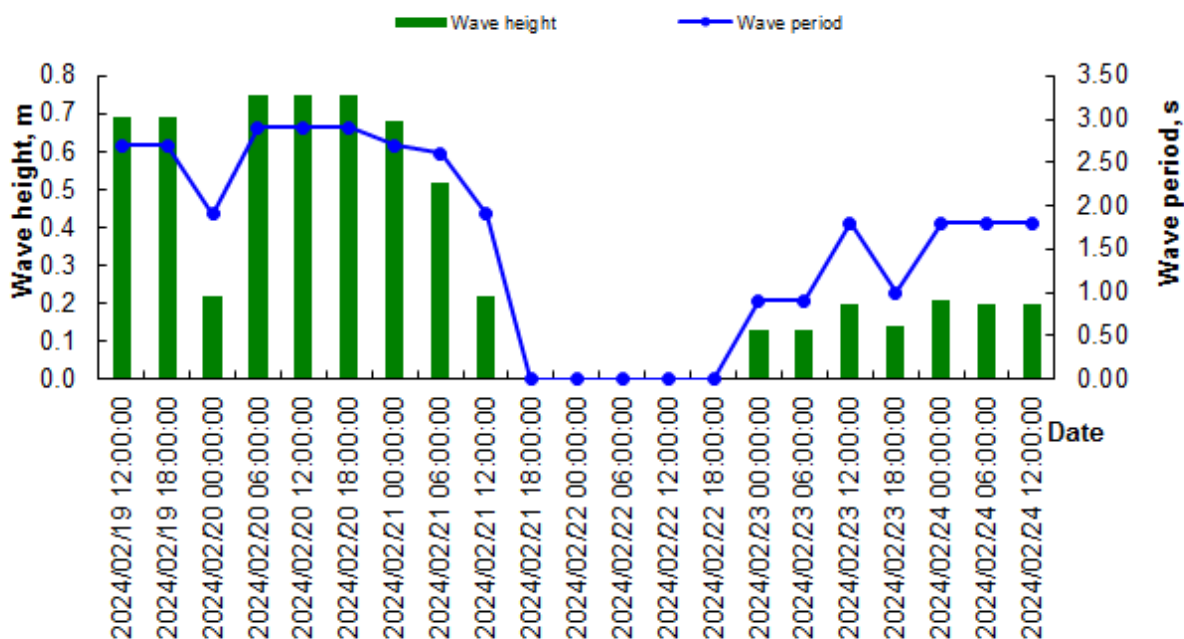
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 19-24 February 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
2024/02/19 12:00:00	7	NW	0.69	2.70
2024/02/19 18:00:00	7	W	0.69	2.70
2024/02/20 00:00:00	4	NE	0.22	1.90
2024/02/20 06:00:00	8	SE	0.75	2.90
2024/02/20 12:00:00	8	SE	0.75	2.90
2024/02/20 18:00:00	8	SE	0.75	2.90
2024/02/21 00:00:00	7	E	0.68	2.70
2024/02/21 06:00:00	6	E	0.52	2.60
2024/02/21 12:00:00	4	S	0.22	1.90
2024/02/21 18:00:00	2	SW	0.00	0.00
2024/02/22 00:00:00	2	SW	0.00	0.00
2024/02/22 06:00:00	2	N	0.00	0.00
2024/02/22 12:00:00	2	N	0.00	0.00
2024/02/22 18:00:00	2	NW	0.00	0.00
2024/02/23 00:00:00	3	NW	0.13	0.90
2024/02/23 06:00:00	3	W	0.13	0.90
2024/02/23 12:00:00	4	NW	0.20	1.80
2024/02/23 18:00:00	3	N	0.14	1.00
2024/02/24 00:00:00	4	N	0.21	1.80
2024/02/24 06:00:00	4	W	0.20	1.80
2024/02/24 12:00:00	4	W	0.20	1.80

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: ugmikm@meteo.kz

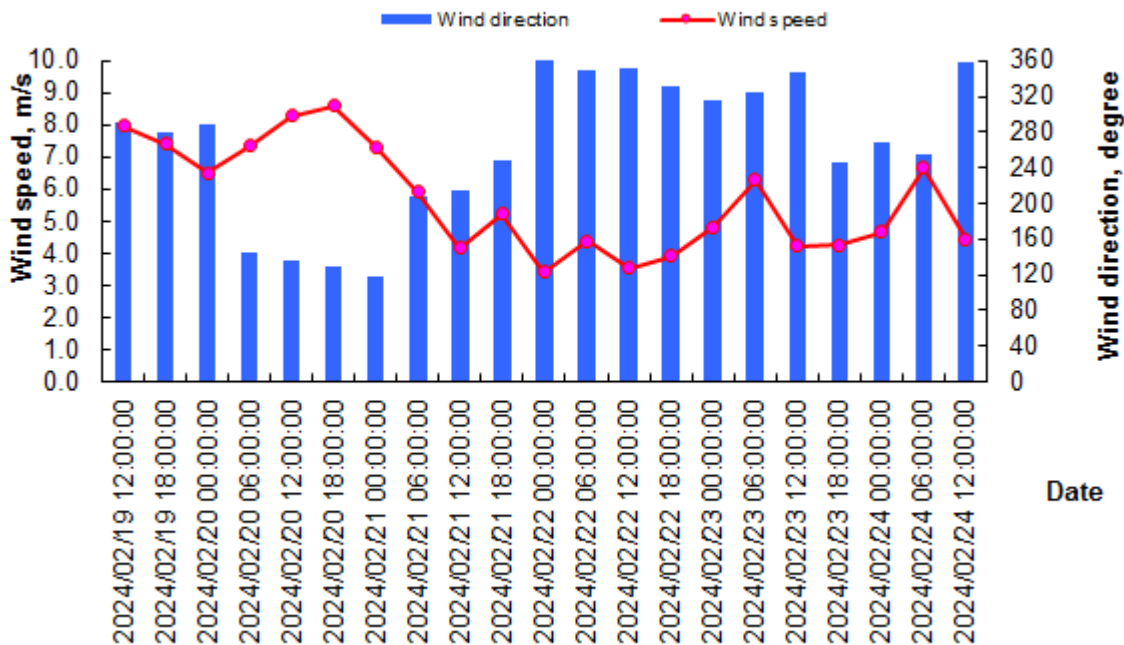


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

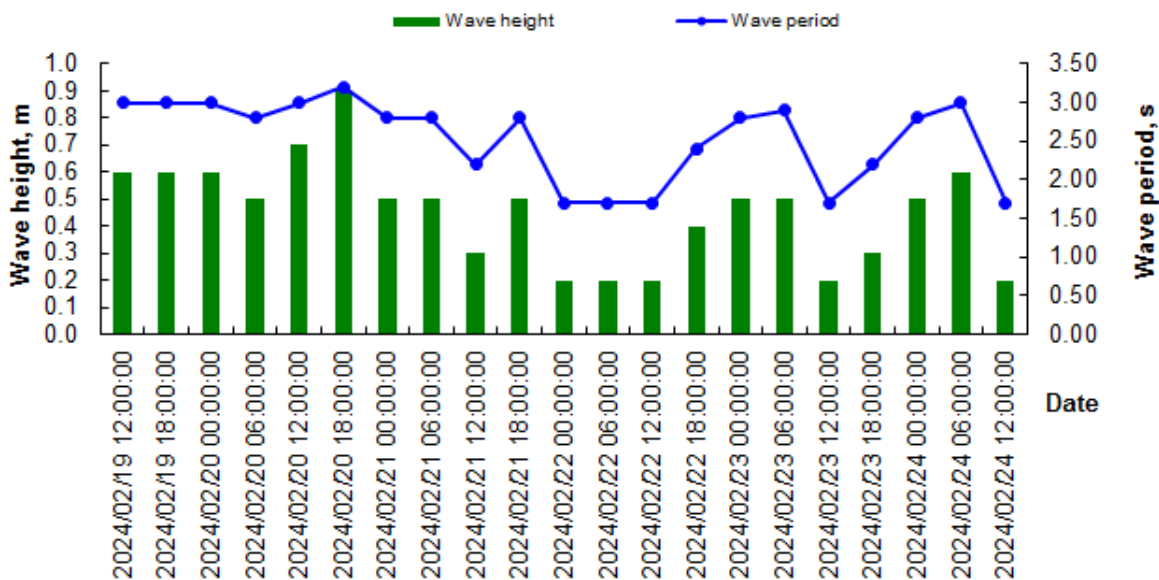
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 19-24 February 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
2024/02/19 12:00:00	8	W	0.60	3.00
2024/02/19 18:00:00	7	W	0.60	3.00
2024/02/20 00:00:00	7	W	0.60	3.00
2024/02/20 06:00:00	7	SE	0.50	2.80
2024/02/20 12:00:00	8	SE	0.70	3.00
2024/02/20 18:00:00	9	SE	0.90	3.20
2024/02/21 00:00:00	7	SE	0.50	2.80
2024/02/21 06:00:00	6	SW	0.50	2.80
2024/02/21 12:00:00	4	SW	0.30	2.20
2024/02/21 18:00:00	5	W	0.50	2.80
2024/02/22 00:00:00	3	N	0.20	1.70
2024/02/22 06:00:00	4	N	0.20	1.70
2024/02/22 12:00:00	4	N	0.20	1.70
2024/02/22 18:00:00	4	NW	0.40	2.40
2024/02/23 00:00:00	5	NW	0.50	2.80
2024/02/23 06:00:00	6	NW	0.50	2.90
2024/02/23 12:00:00	4	N	0.20	1.70
2024/02/23 18:00:00	4	SW	0.30	2.20
2024/02/24 00:00:00	5	W	0.50	2.80
2024/02/24 06:00:00	7	W	0.60	3.00
2024/02/24 12:00:00	4	N	0.20	1.70

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;

e-mail: ugmikm@meteo.kz

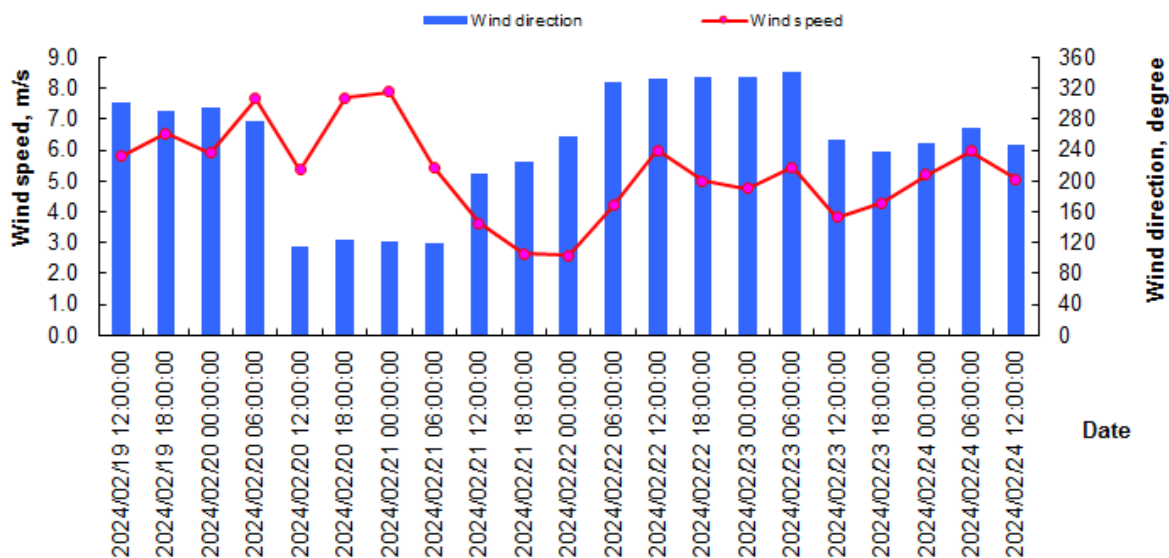


MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN

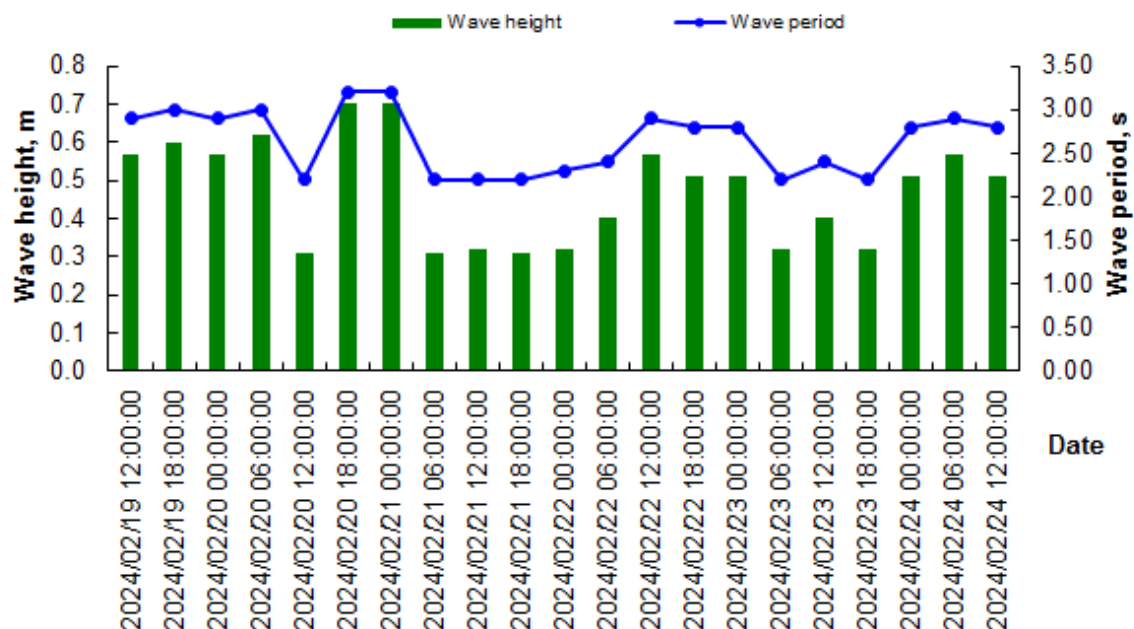
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 19-24 February 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
2024/02/19 12:00:00	6	NW	0.57	2.90
2024/02/19 18:00:00	7	W	0.60	3.00
2024/02/20 00:00:00	6	NW	0.57	2.90
2024/02/20 06:00:00	8	W	0.62	3.00
2024/02/20 12:00:00	5	SE	0.31	2.20
2024/02/20 18:00:00	8	SE	0.70	3.20
2024/02/21 00:00:00	8	SE	0.70	3.20
2024/02/21 06:00:00	5	SE	0.31	2.20
2024/02/21 12:00:00	4	SW	0.32	2.20
2024/02/21 18:00:00	3	SW	0.31	2.20
2024/02/22 00:00:00	3	W	0.32	2.30
2024/02/22 06:00:00	4	NW	0.40	2.40
2024/02/22 12:00:00	6	NW	0.57	2.90
2024/02/22 18:00:00	5	NW	0.51	2.80
2024/02/23 00:00:00	5	NW	0.51	2.80
2024/02/23 06:00:00	5	N	0.32	2.20
2024/02/23 12:00:00	4	W	0.40	2.40
2024/02/23 18:00:00	4	SW	0.32	2.20
2024/02/24 00:00:00	5	W	0.51	2.80
2024/02/24 06:00:00	6	W	0.57	2.90
2024/02/24 12:00:00	5	W	0.51	2.80

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: ugmikm@meteo.kz

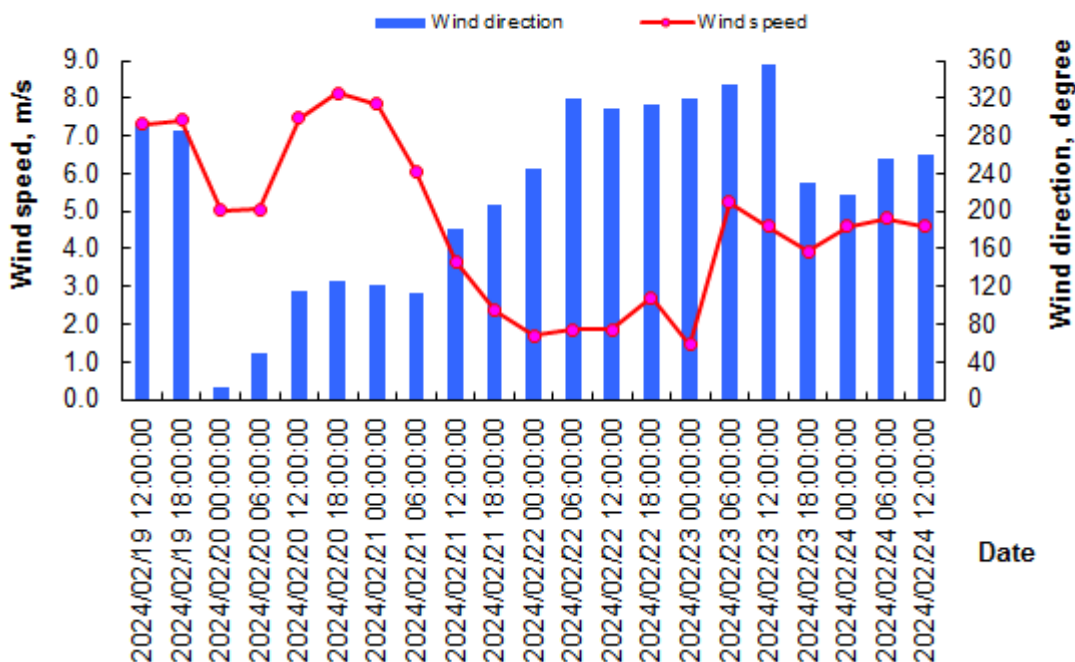


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE
REPUBLIC OF KAZAKHSTAN**

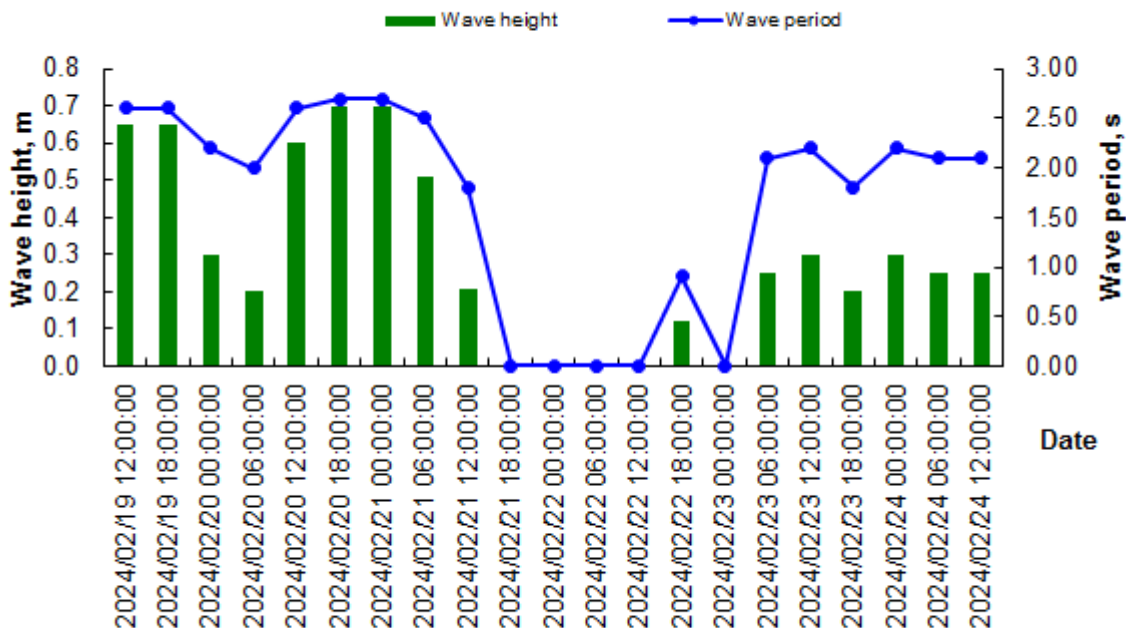
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

**Forecast of the wave and wind condition for Middle part of the Caspian Sea
Probability – 5 days, period 19-24 February 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
2024/02/19 12:00:00	7	NW	0.65	2.60
2024/02/19 18:00:00	7	W	0.65	2.60
2024/02/20 00:00:00	5	N	0.30	2.20
2024/02/20 06:00:00	5	NE	0.20	2.00
2024/02/20 12:00:00	7	SE	0.60	2.60
2024/02/20 18:00:00	8	SE	0.70	2.70
2024/02/21 00:00:00	8	SE	0.70	2.70
2024/02/21 06:00:00	6	SE	0.51	2.50
2024/02/21 12:00:00	4	S	0.21	1.80
2024/02/21 18:00:00	2	SW	0.00	0.00
2024/02/22 00:00:00	2	SW	0.00	0.00
2024/02/22 06:00:00	2	NW	0.00	0.00
2024/02/22 12:00:00	2	NW	0.00	0.00
2024/02/22 18:00:00	3	NW	0.12	0.90
2024/02/23 00:00:00	1	NW	0.00	0.00
2024/02/23 06:00:00	5	NW	0.25	2.10
2024/02/23 12:00:00	5	N	0.30	2.20
2024/02/23 18:00:00	4	SW	0.20	1.80
2024/02/24 00:00:00	5	SW	0.30	2.20
2024/02/24 06:00:00	5	W	0.25	2.10
2024/02/24 12:00:00	5	W	0.25	2.10

Made by: Shishkina G.M.

Checked by: Yeltay A.

Address: 050022. Almaty. Abay av. Tel. +7 7172 55 84 06;
e-mail: e-mail: ugmikm@meteo.kz