of the Aral Sea and the Aral Region

SIC specialists are constantly monitoring the state of the Southern Aral Sea and parts of the Greater Aral Sea by using the Landsat 8-9 OLI images. The use of the NDVI index with refined threshold values has been started, which allow recognizing three categories of surfaces: 1) open water surface, 2) wetlands, 3) land. According to the image from 17 December 2025, the areas of wetlands and open water surface were determined.

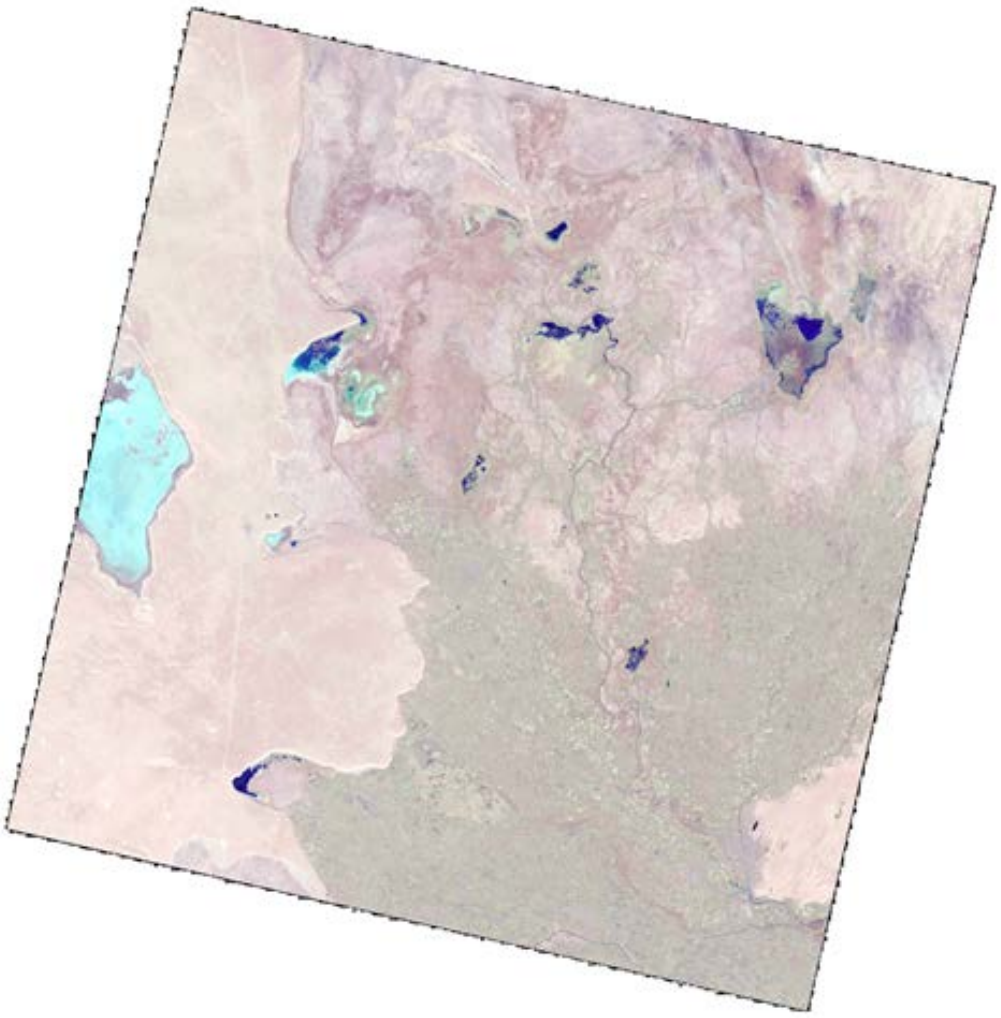


Figure 1. The Aral Region. Landsat 8 and 9, 17 December 2025

Table 1

Wetland areas of the Southern Aral Sea region, ha

Water body	10.07.2025	27.08.2025	04.09.2025	05.10.2025	23.11.2025	17.12.2025
Sudoche	10129	13684	13985	15702	25812	28563
Mejdureche	318	243	257	331	1691	3064
Rybache	318	277	302	747	2747	3144
Muynak	120	146	167	735	6452	5290
Djiltyrbas dam-terminated	781	588	559	989	2189	3526
Djiltyrbas (together with former right and left streams)	931	2074	2103	3687	4687	5506
Dumalak	0	0	0	30	18	16
Makpalkul	49	25	16	26	1280	1451
Mashan Karadjar	379	319	318	658	1858	3897
Water surface southward of Muynak	36	199	222	180	123	263
Water surface southward of Kazakhdarya	0	0	0.7	5	86	123
Zakirkol	16	1	0.6	9	37	79
Total:	**13077**	**17556**	**17930**	**23099**	**46980**	**54922**

Table 2

The area of open water surface in the Aral region, ha

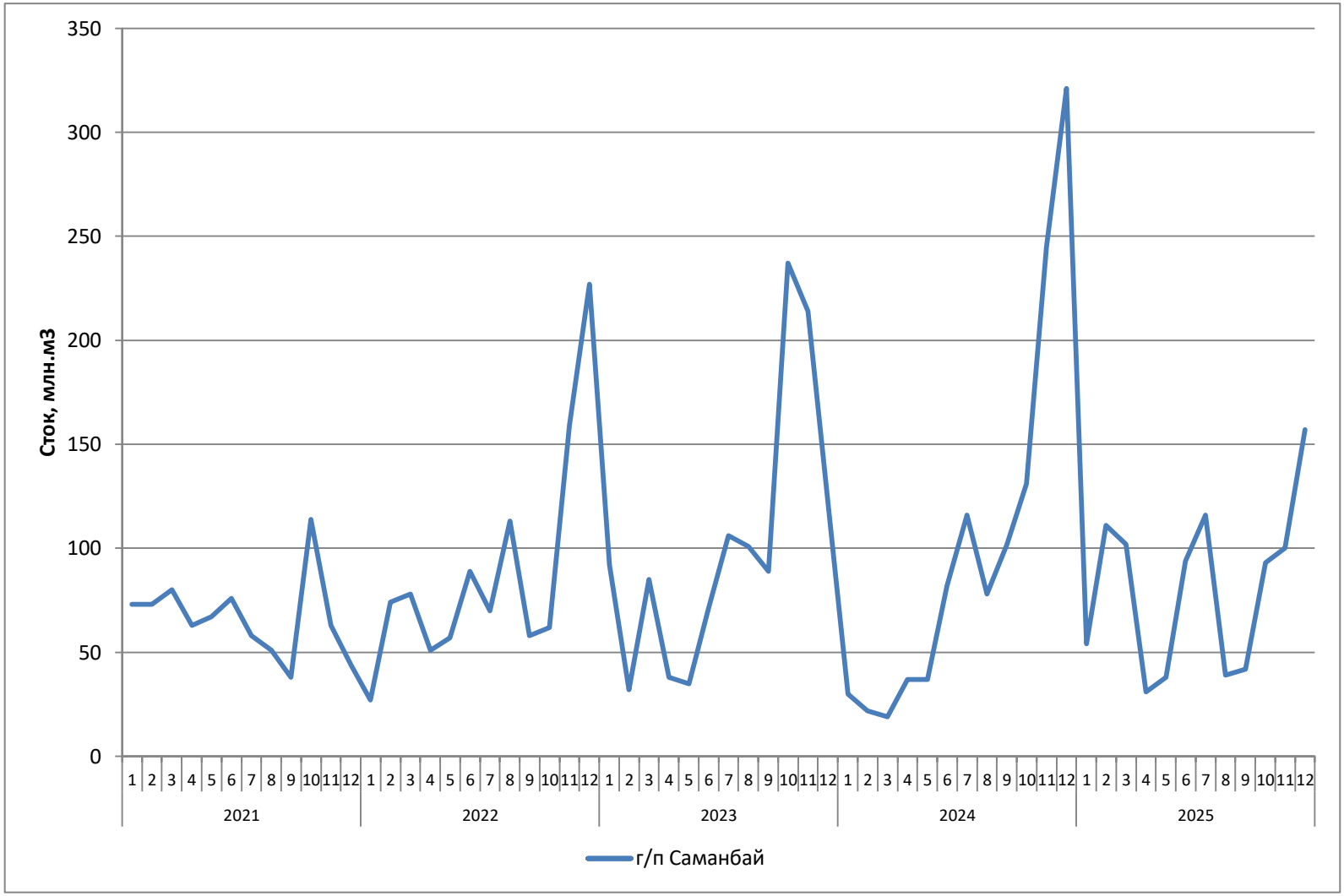
Water body	10.07.2025	27.08.2025	04.09.2025	05.10.2025	23.11.2025	17.12.2025
Sudoche	6915	4146	3785	5762	4806	6108
Mejdureche	1573	957	986	1580	3580	4643
Rybache	952	733	750	896	1021	1009
Muynak	139	50	42	35	202	227
Djiltyrbas dam-terminated	5217	4527	4298	4778	7374	9660
Djiltyrbas (together with former right and left streams)	17	14	14	60	264	307
Dumalak	0	0	0	0	0	0
Makpalkul	68	70	58	55	751	1678
Mashan Karadjar	548	204	171	319	830	949
Water surface southward of Muynak	0	0	0	0	0	11
Water surface southward of Kazakhdarya	0	0	0	0	0	0
Zakirkol	0	0	0	0	50	100
Total:	**15429**	**10701**	**10104**	**13485**	**18878**	**24692**

Table 3

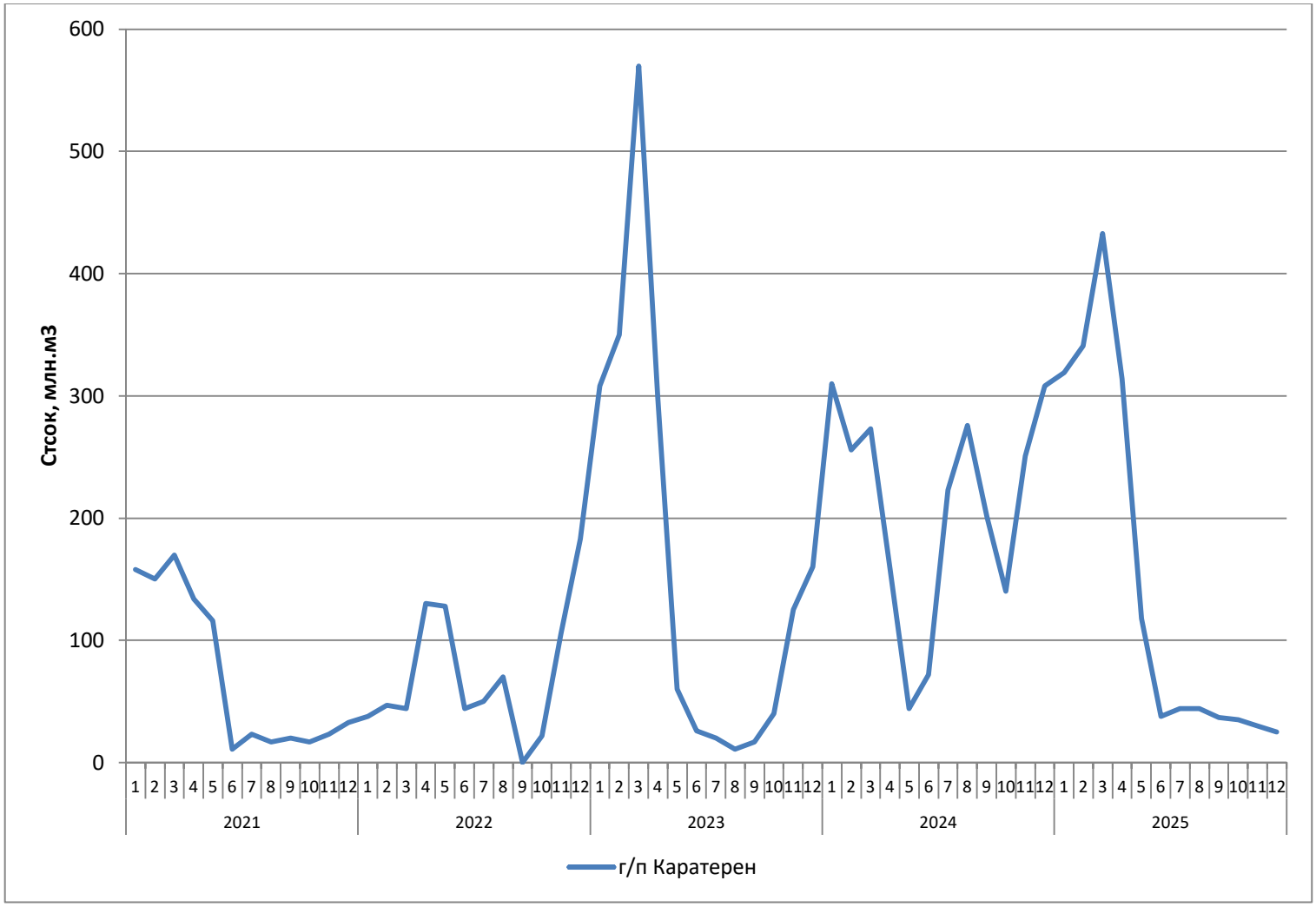
Dried ground area* in the Aral Region, ha

Water body	10.07.2025	27.08.2025	12.09.2025	05.10.2025	23.11.2025	17.12.2025
Sudoche	55653	54867	54927	51233	42079	38026
Mejdureche	35893	36584	36541	35873	32513	30077
Rybache	10223	10483	10441	9850	7725	7340
Muynak	15905	15968	15955	15394	9510	10647
Djiltyrbas dam-terminated	41474.39	42357.39	42615	41705.39	37909	34286
Djiltyrbas (together with former right and left streams)	98003	96863	96834	95204	94000	93138
Dumalak	16050	16050	16050	16020	16032	16034
Makpalkul	8567	8589	8610	8603	6653	5555
Mashan Karadjar	26274	26678	26712	26224	24513	22355
Water surface southward of Muynak	9569	9406	9383	9425	9482	9331
Water surface southward of Kazakhdarya	4751.5	4751.5	4751	4746.5	4665.5	4628.5
Zakirkol	2775.3	2790.3	2791	2782.3	2704.3	2612.3
Total:	**325138**	**325387**	**325610**	**317060**	**287786**	**274030**

* bare soil, dense or rare vegetation



Dynamics of the Amu Darya River runoff
at the Samanbay gauging station



Dynamics of the Syr Darya river flow
along the Karateren gauging station

Table 4

Inflow to Inflow to the Aral Region and Aral Sea, mln.m^3

Month	From Amu Darya River*	From canal systems**	Collector-drainage runoff**	Total	Release from North Aral sea
January	54	39	54	**147**	0
February	111	18	57	**186**	0
March	102	60	81	**243**	0
April	31	0	105	**136**	0
May	38	0	90	**128**	0
June	94	0	82	**176**	0
July	116	0	129	**245**	0
August	39	0	124	**163**	0
September	42	0	103	**145**	0
October	93	51	86	**230**	0
November	100	78	56	**234**	0
December	157	54	47	**258**	0

*Source: Uzhydrometeoservice

** Source: Ministry of Water Resources of the Republic of Uzbekistan

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