

## Main canals in the Aral-Syrdarya Basin

### Southern-Kazakhstan region

n	Name of canal	Capacity, m <sup>3</sup> /sec	Operates since	Purpose	Type of bed	Coefficient of efficiency	Length, km	Permissible area, ha
<b>Syrdarya river (g/s Kokbulak- Shardara reservoir)</b>								
1	MC Dostyk	120,0		irrigation	earth	0,65		138767
2	MC Sumagar	10,0		irrigation	earth		26,4	
3	MC Budenny	10,0		haymaking	earth		18,5	
4	Chulak-Jarma	10,0		haymaking	earth		9,8	
5	MC Kyzyl-Kumsky (Shardara reservoir)	220	1968	irrigation	earth	0,60	106,1	73863
6	MC Mayakum	2,5		irrigation	earth		9,2	
7	MC Koksaray	2,0		irrigation	earth		14,6	
8	MC Kaldybay	0,5		irrigation	earth			
9	MC Esirkep	5,0		irrigation	earth		19,8	
<b>Arys river (g/s Kornilovka – river outlet) , excluding Badam river</b>								
10	MC Altynbekov	10,0		irrigation	earth	0,58	30,3	7230
11	MC Kok-Mardan	2,4		irrigation	earth	0,60	6,3	1915
12	Aryssky	45,0	1962	irrigation	earth	0,67	52,3	590
13	MC Karaspan	6,5	1933	irrigation	earth	0,50	24,0	4008
14	MC Kurtay	10,0		irrigation	earth	0,60	20,0	1390
15	MC Kazenny	2,0		irrigation	earth	0,56	2,0	428
16	MC Naiman	8,0		irrigation	earth	0,56	10,0	670
17	MC Karoy	8,0		irrigation	earth	0,56	15,0	95
18	Akkoily	1,2		irrigation	earth		9,4	
19	MC Beskaska	0,05	1909	irrigation	earth	0,59	7,3	57
20	MC Kyzyl	0,8	1909	irrigation	earth	0,59	10,0	1800

n	Name of canal	Capacity, m <sup>3</sup> /sec	Operates since	Purpose	Type of bed	Coefficient of efficiency	Length, km	Permissible area, ha
21	MC Nizhniy	0,3	1909	irrigation	concrete	0,60	8,2	1003
22	MC Verkhniy	0,6	1920	irrigation	concrete	0,60	10,6	1789
23	MC Janys	0,5	1907	irrigation	earth	0,60	8,1	1316
24	MC Uzyn	0,3	1909	irrigation	earth	58	2,1	899
25	MC Boz	0,5	1909	irrigation	earth	0,59	3,8	1648
26	MC Tanty	0,5	1906	irrigation	earth	0,60	4,9	1096
27	MC Verkhniy Kukruyk	0,3	1927	irrigation	earth	0,59	7,6	980
<b>Badam river (including Badam reservoir, Sairam-Su river)</b>								
28	K-2			irrigation	earth	0,85	3,6	4119
29	Sasyk-1	2,0	1952	irrigation	earth	0,53	4,9	198
30	MC Kosh-Tegermen (Badam river)	4,5	1968	irrigation	earth	0,53	1,5	822
31	MC Chimkentsky (Badam river)	5,5	1952	irrigation	earth	0,68	8,6	1932
32	MC Aksay (Badam river)	1,1	1952	irrigation	earth	0,67	7,34	1417
33	MC Badamsky	9,9	1987	irrigation	earth	0,65	22,0	4626
34	MC Kyzyl-Terek	0,35	1936	irrigation	earth		3,8	
35	MC Tas	1	1937	irrigation	earth	0,67	2,9	1728
<b>Sairam-Su river</b>								
36	MC Pravoberejny	15	1940	irrigation	earth	0,58	13,1	7575
37	MC Levoberejny	5	1940	irrigation	earth	0,49	8,4	1044
38	MC Kok-Sayak	0,8	1936	irrigation	earth	0,67	9,3	1436
39	MC Oljaly	1,2	1940	irrigation	earth	0,55	13,2	227
<b>Baldybrek river</b>								
40	MC Kent	8,5	1970	irrigation	earth	0,50	23,7	6126

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<b>Shubarsu river</b>								
41	Aktumsyk	1,2		irrigation	earth	0,85	5,6	261
42	Kozyke	1,5		irrigation	earth	0,85	5,9	280
43	Shubar-Kaishyly	1,5		irrigation	earth	0,84	3,9	280
<b>Kumysh-Bulak spring</b>								
44	Offtake	0,5	1964	irrigation	earth	0,50	2,5	89
45	Baglan	2		irrigation	earth	0,50	4,3	293
<b>Aksu river</b>								
46	MC Musabek	1,0	1900	irrigation	earth	0,60	9,0	250
47	MC Tash	7,5	1930	irrigation	earth	0,54	3,4	-
48	MC Asil	7,5	1930	irrigation	concrete and earth	0,54	2,7	5587
49	Boz	0,9	1913	irrigation	concrete and earth	0,58	4,3	1000
50	Koterme	0,6	1930	irrigation	concrete and earth	0,60	1,3	500
51	Alaman	3,5	1923	irrigation	concrete and earth	0,59	31,6	3000
52	MC Levoberejny (Aksu river)	5,2	1983	irrigation	concrete and earth	0,53	5,6	5600
53	MC Nijnyaya Akkala (R-1)	2,0	1904	irrigation	concrete and earth	0,60	25,0	1400
54	Jogargy onjak Aksu	14,0	1983	irrigation	concrete and earth	0,58	2,6	12,0
55	Jogargy Akkala	1,5		irrigation	concrete and earth	0,60	4,2	450
56	Kydyr	1,5	1929	irrigation	concrete and earth	0,56	5,5	500
<b>Kydyr spring</b>								

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57	MC Djide (Karasu spring)	1,5	1961	irrigation	concrete and earth	0,70	9,3	250
58	MC Yarty-tobe (Karasu spring)	1,5	1959	irrigation	concrete and earth	0,74	9,5	300
<b>Kelte-Mashat river</b>								
59	MC Zhiynbay	3,0	1908	irrigation	concrete and earth	0,61	22,0	2378
<b>Balykty-Su river</b>								
60	MC Ken	0,4	1908	irrigation	concrete and earth	0,60	8,5	328
<b>Jabaglysu river</b>								
61	MC Kluy	6,0	1971	irrigation	concrete	0,58	44,2	4527
<b>Keles river (g/s Stepnoe – river outlet)</b>								
62	MC Oimaut (Keles river)	6,0		irrigation	earth	0,56	2,7	1919
63	MC Bes-abdal (Keles river)	5,0		irrigation	earth	0,56	18,9	2026
64	MC Ushkyn	5,0		irrigation	earth	0,56	4,1	246
65	MC Oshakty	18,0		irrigation	earth	0,56	17,3	10354
66	MC Shoshym	5,0		irrigation	earth	0,56	17,2	2493
67	MC Kesken	5,0		irrigation	earth	0,45	12,0	3118
68	Ulken-kesken	1,0		irrigation	earth	0,40	14,0	8500
<b>Chirchik river</b>								
69	MC Khanym	15,0	1929	irrigation	earth	0,40	22,5	7629
70	MC BTC	1,8		irrigation	earth	0,56		1738
71	MC Zakh	63,0	1949	irrigation	earth	0,40	61,1	7967
72	MC Tashkulaksky outlet	14,0		irrigation	earth		2,65	

n	Name of canal	Capacity, m <sup>3</sup> /sec	Operates since	Purpose	Type of bed	Coefficient of efficiency	Length, km	Permissible area, ha
73	MC Northern-Tashkent	2,0		irrigation	earth			
74	MC Ak-koily	2,0		irrigation	earth			
75	MC Bolshoy Kelesky (BKMC)	62,0	1983	irrigation	earth and concrete.	0,52	42,1	17799
<b>Bogen river</b>								
76	MC Turkestansky (TMC)	45,0	1962	irrigation	earth	0,60	142,0	61900
77	Bogen outlet	90,0	1962	irrigation	earth	0,85		399
78	MC Sarkhrama	2,0		irrigation	earth	0,57	12,0	985
<b>Shayan river</b>								
79	MC Komsomol(Shayan river)	4,2		irrigation	earth	0,43	32,9	4309
<b>Aktobe river</b>								
80	Aktobe offtake	2,0	1988	irrigation	earth	0,65		556
<b>Ayusay-Karabas spring</b>								
81	MC Filtratsiya	0,15	1929	irrigation	earth			
<b>Zhana-Korgan</b>								
82	Sasyk-Bulak offtake	2,0		irrigation	earth			
<b>Maidantal river</b>								
83	Maidantal offtake	2,0		irrigation	earth	0,85		2025
<b>Shert river</b>								

n	Name of canal	Capacity, m <sup>3</sup> /sec	Operates since	Purpose	Type of bed	Coefficient of efficiency	Length, km	Permissible area, ha
84	Shert offtake	2,0		irrigation	earth	0,65		560
<b>Shylbyr river</b>								
85	Shylbyr offtake	2,0	1983	irrigation	earth			
<b>Karashik river</b>								
86	MC Belaryk	2,0		irrigation	earth	0,85	18,5	3497
87	MC Omanaryk	2,0		irrigation	earth			
88	Teke-aryk	2,0		irrigation	earth	0,85	18,2	1558
89	MC Pravoberejny(PMC)	2,0	1982	irrigation	earth		6,3	
90	MC Levoberejny(LMC)	1,5	1982	irrigation	earth		17,7	
91	MC Kotyrbulak	20,0	1988	irrigation	earth	0,77	9,1	8307

Source: CAREWIB DB

### Kyzylorda region

n	Name of canal	Operates since	Capacity, m3/sec	Length, km	Number of hydraulic structures	Permissible area, ha	Coefficient of efficiency	Type of bed
1	Sumagar	1976	15	31,7	3	2340	0,46	earth
2	Kelityubinsky	1966	102	86,4	20	31780	0,52	earth
3	Taipakkulsky	1953	15	10	1	930	0,81	earth
4	Kandyaralsky	1965	12	26,8	10	990		earth
5	Zadar'insky	1953	12	20,5	4	1430	0,56	earth
6	Sunakatinsky	1984	40	72,9	25	4070	0,46	earth
7	Novoshieliysky	1950	120	180,4	97	41720	0,59	earth
8	Novosolotyubinsky	1955	14	32	7	1870	0,64	earth
9	Botabay	1972	13	67,9	17	2700	0,57	earth
10	Jetikol-Jarma	1953	40	66,1	12	4290	0,58	earth
11	Koksuisky	1953	18	30	3			earth
12	Janadarinsky	1958	50	957,8	40	6600	0,37	earth
13	Jana-aryksky	1978	11,5	280	3	4270	0,51	earth
14	Kyzylordinsky Pravoberejny	1959	110	50,2	18	8680	0,58	earth
15	Kyzylordinsky Levoberejny	1959	226	384,7	193	85540	0,59	earth
16	Aitek	1965	60	78,4	36	17430	0,59	earth
17	Kazalinsky Pravoberejny	1957	100	88,7	52	20800	0,64	earth
18	Kazalinsky Levoberejny	1946	85	40,8	29	10310	0,67	earth
19	Baskara	1928	15	32,7	3	3720	0,66	earth

n	Name of canal	Purpose	Type of gauging station	time interval between measurements	Organization
1	Sumagar	irrigation	fixed	ten-day period	PE "Janakorganvodkhoz"
2	Kelityubinsky	irrigation	fixed	ten-day period	PE "Janakorganvodkhoz"
3	Taipakkulsky	waters supply	fixed	ten-day period	PE "Janakorganvodkhoz"
4	Kandyaralsky	waters supply	fixed	ten-day period	PE "Janakorganvodkhoz"
5	Zadar'insky	irrigation	fixed	ten-day period	PE "Janakorganvodkhoz"
6	Sunakatinsky	irrigation	fixed	ten-day period	PE "Janakorganvodkhoz"
7	Novoshieliysky	irrigation	fixed	ten-day period	PE "Shielivodkhoz"
8	Novosolotyubinsky	irrigation	fixed	ten-day period	PE "Shielivodkhoz"
9	Botabay	waters supply	fixed	ten-day period	PE "Inter-district canal system "
10	Jetikol-Jarma	irrigation	fixed	ten-day period	PE "Syrdaryavodkhoz"
11	Koksuisky	waters supply	fixed	ten-day period	PE "Shielivodkhoz"
12	Janadarinsky	waters supply	fixed	ten-day period	PE "Inter-district canal system "
13	Jana-aryksky	irrigation	fixed	ten-day period	PE "Kyzylordavodkhoz"
14	Kyzylordinsky Pravoberejny	irrigation	fixed	ten-day period	PE "Kyzylordavodkhoz"
15	Kyzylordinsky Levoberejny	irrigation	fixed	ten-day period	PE "Inter-district canal system"
16	Aitek	irrigation	fixed	ten-day period	PE "Syrdaryavodkhoz"
17	Kazalinsky Pravoberejny	irrigation	fixed	ten-day period	PE "Kazalyvodkhoz"
18	Kazalinsky Levoberejny	irrigation	fixed	ten-day period	PE "Kazalyvodkhoz"
19	Baskara	irrigation	fixed	ten-day period	PE "Kazalyvodkhoz"

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