

Dynamics of factors influencing on the Amudarya river middle course

Factors	Unit	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Irrigated area	thousand ha	1837	1843	1992	2078	2103	2057	2089	2063	2082	2171	2172	2171	2199	2238	2276	2315	2288	2302	2316	2315
River flow at the gauging station Kerki	mln. m3	45109	63406	54052	59969	42101	49295	36131	64278	46662	31575	27843	48569	51686	42770	56386	38265	36192	21145	40642	57128
Salinity at the gauging station Kerki	g/l	0,694	0,494	0,499	0,467	0,488	0,491	0,526	0,46	0,454	0,492	0,511	0,479	0,507	0,501	0,517	0,461	0,456	0,487	0,489	0,515
Salt discharge at the gauging station Kerki	thousand tonn	31319	31307	26975	28033	20560	24207	18994	29545	21186	15549	14215	23242	26212	21409	29172	17633	16515	10291	19884	29447
Water withdrawal of the middle course	mln. m3	26045	24161	21624	24269	21780	22519	24410	24889	24598	20921	18631	23302	23229	23207	23306	24466	22354	20143	21544	22845
Salt discharge at the site	thousand tonn	18084	11929	10791	11345	10636	11058	12832	11440	11168	10303	9513	11151	11780	11616	12058	11275	10201	9803	10541	11776
Drainage flow to the river	mln. m3	2703	2389	2918	2147	1857	2271	2873	3170	2841	2672	1891	2610	2745	2777	3104	3104	2590	2659	3273	3201
Salinity of drainage flow	g/l	3,25	3,178	2,888	2,995	3,213	3,202	4,237	4,092	3,769	4,087	3,429	3,477	3,133	3,757	3,77	4,014	3,953	3,786	1,983	1,838
Salt discharge to the field plot	thousand tonn	8785	7592	8427	6432	5966	7273	12170	12973	10706	10920	6486	9076	8600	10434	11702	12459	10236	10067	6490	5884
River flow at the gauging station Tyuyamuyun (Bir-ata)	mln. m3	37196	57497	49438	54049	34800	43361	29978	60687	40594	20497	16759	41964	45790	35964	51829	32148	29585	16064	31660	47447
Salinity at the gauging station Tyuyamuyun (Bir-ata)	g/l	0,890	0,703	0,792	0,681	0,749	0,701	0,784	0,655	0,668	0,85	0,85	0,705	0,69	0,769	0,724	0,686	0,66	0,701	0,66	0,658
Salt discharge to the gauging station Tyuyamuyun	thousand tonn	33105	40433	39131	36802	26048	30389	23492	39744	27102	17413	14243	29567	31587	27645	37500	22061	19517	11264	20884	31225

* Gross irrigated area - Lebap, Bukhara, Kashkadarya

Source: BWO "Amudarya"