

Table S2. Number and combined area of lakes in the river basins. Elevation range is given for 2002 with a changed upper boundary for 2014 in parentheses if different. Locations of the basins are shown in Fig. 1. Basin areas are calculated to the locations where the rivers exit the mountains. The proportion of glacierized area is as in 2000 (Table S1).

Basin			Lakes				
Name	Area (km <sup>2</sup> )	% glacierized	2002		2014		Elevation (m a.s.l.)
			No	Area (km <sup>2</sup> )	No	Area (km <sup>2</sup> )	
Aksu	754	5.9	73	2.44±0.122	76	2.70±0.135	2870-3530
Sarkand	425	8.4	30	0.88±0.044	31	0.85±0.044	2910-3410 (3570)
Lepsy	1269	4.1	23	1.30±0.061	22	1.37±0.065	2270-3460
Bien	354	5.3	24	0.40±0.025	28	0.46±0.031	2980-3370
Baskan	595	8.4	24	0.45±0.025	22	0.43±0.025	2640-3550
Koktal	359	2.2	12	0.11±0.008	17	0.14±0.01	3080-3320 (3500)
Chija	730	0.6	11	0.10±0.007	13	0.13±0.009	3000-3330
Usek	1510	4.2	110	3.13±0.162	112	3.31±0.17	2700-3660
Koksu	1621	4.3	104	2.22±0.127	108	2.50±0.142	2470-3580
Kora	470	10.6	39	0.64±0.039	45	0.77±0.046	2860-3450
Kokmoin	228	0	23	0.39±0.024	23	0.40±0.025	2770-3305
Tastau	669	1.5	5	0.46±0.019	7	0.47±0.02	3090-3240
Tentek	1008	4.6	42	0.89±0.049	48	0.95±0.054	2470-3410 (3540)
Vtoroi Tentek	545	0.7	37	0.98±0.054	36	0.95±0.053	2380-3410
Khorgos	1183	6.0	42	1.89±0.088	48	1.93±0.091	2230-3660 (3690)
Total / mean	11,720	4.8	599	16.26±0.85	636	17.35±0.92	-