

Monitoring of dynamics of the Eastern part of the Aral Sea

The satellite images for June 2011 are processed at the SIC ICWC. The water surface area of the gulfs of the Big Aral Sea and water levels and volumes of the Eastern and Western parts of the Big Aral Sea were estimated (Table.)

Table

Estimation of the water surface area of the Eastern and Western parts of the Big Aral Sea, km²

Water Body	March 2011	April 2011	May 2011	June 2011
Western Sea	3934,15	3881,74	3922,68	3977,23
Eastern Sea	4583,96	4526,52	4476,27	3702,15
Gulfs of the Eastern Sea (Tschebas)	2086,51	1740,01	1188,11	986,60
<i>Big Aral Sea</i>	<i>10604,62</i>	<i>10148,27</i>	<i>9587,06</i>	<i>8665,98</i>

According the bathymetric chart the estimated areas correspond to the following levels:

- Eastern Sea: March 2011 - Water Level $\approx 28,6$ m; Water Volume $\approx 6,62$ km³
 April 2011 - Water Level $\approx 28,6$ m; Water Volume $\approx 6,62$ km³
 May 2011 - Water Level $\approx 28,5$ m; Water Volume $\approx 6,21$ km³
 June 2011 - Water Level $\approx 28,2$ m; Water Volume $\approx 4,7$ km³

- Western Sea: March 2011 - Water Level $\approx 27,8$ m; Water Volume $\approx 53,27$ km³
 April 2011 - Water Level $\approx 27,7$ m; Water Volume $\approx 52,84$ km³
 May 2011 - Water Level $\approx 27,8$ m; Water Volume $\approx 53,27$ km³
 June 2011 - Water Level $\approx 27,9$ m; Water Volume $\approx 53,64$ km³