

Monitoring of the Aral Sea water surface area dynamics

The satellite images for March 2011 are processed to estimate the water surface area dynamics of the Eastern and Western parts of the Big Aral Sea (Fig.).

Table

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

Water Body	March 2011
Western Sea	3934,15
Eastern Sea	4583,96
Gulfs of the Eastern Sea (Tschebas)	2086,51
<i>Big Aral Sea</i>	<i>10604,62</i>



Big Aral Sea

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

- Eastern Sea: March 2011 - Water Level $\approx 28,4$ m; Water Volume $\approx 5,95$ km³
- Western Sea: March 2011- Water Level $\approx 27,8$ m; Water Volume $\approx 53,27$ km³