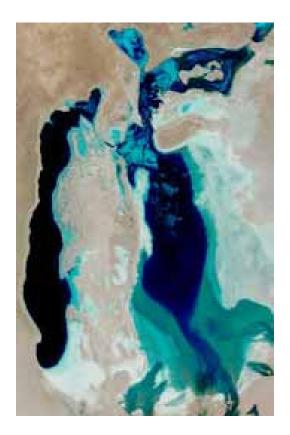
Monitoring of the Aral Sea water surface area dynamics

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.).

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

Table

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



Big Aral Sea

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

- Eastern Sea: March 2011 Water Level≈ 28,4 m; Water Volume ≈ 5,95 km³
- Western Sea: March 2011- Water Level $\approx 27.8 \text{ m}$; Water Volume $\approx 53.27 \text{ km}^3$