











## Oil and Environmental Pressure no.2 Limited trans-caspian shipment capacity

Routes for crude/product	Est 2010 capacity
Aktau-Russia	3.0Mt
Aktau-Iran	1.5Mt
Aktau-Azerbaijan	3.2Mt
Turkmenbashi-Russia	1.0Mt
Turkmenbashi-Iran	2.2Mt
Turkmenbashi-Azerbaijan	2.4Mt
Total	13.3Mt

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- Capacity out of Kazakhstan is only 150Mbd vs. large volumes of Kashagan oil shipped to Sangachal/BTC
- Only ca. 70 tankers in the Caspian, most over-aged
- Significant legal issues still outstanding notably flag restrictions and Caspian sea dispute
- Environmental concerns

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## Oil and Environmental Pressure no.3 The Bosphorus strait

- Exploding oil exports thru Black Sea
  - 2000: 60Mt / 2004: 100Mt / 2010(e): 160Mt ?
- Costly Bosphorus straits delays
  - 2004: 8 days / 2010(e): 16 days ?
- Major environmental risks
  - 10 million people metropolis
- Tightening traffic regulation by Turkey

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- Establishment of Tier II crude oil spill response centres in key locations in the Bank's countries of operation and provision of regional training, prevention and remediation services.
- Underlying economics for each centre based on fixed response contracts to cover overhead costs and equipment in place
- equity upside rests in sales of additional services through the individual centres and developing synergies among the network of centres.

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