HYDROGRAPHIC SECTION

QATAR NATIONAL REPORT
TO THE
4TH ROPME SEA AREA HYDROGRAPHIC COMMISSION MEETING

MUSCAT, OMAN
21–23 MARCH 2011
1. Hydrographic Office / Service

This report summarizes the activities of Hydrographic Section of Qatar carried out since the 3rd RSAHC meeting in 2009.

Highlights of the report:

- Hydrographic section has become a part of new established Ministry of Municipality & Urban Planning
- Adequately surveyed area not increased
- Very good coverage with ENCs and paper charts of the waters of Qatar
- New survey vessel and the equipment have been acquired
- Needs for hydrographic personnel

Update for the IHO Yearbook

<table>
<thead>
<tr>
<th>Department of which the Hydrographic Office is part</th>
<th>Ministry of Municipality &amp; Urban Planning Land &amp; Survey Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal functions of the HO</td>
<td>Bathymetric survey, Tide tables, Bathymetric mapping, Maritime boundary delimitation</td>
</tr>
<tr>
<td>National day</td>
<td>18 December</td>
</tr>
<tr>
<td>Telephone:</td>
<td>+974 4495 4042</td>
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<td>+974 4495 5947</td>
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<td><a href="mailto:vladan@up.org.qa">vladan@up.org.qa</a></td>
</tr>
<tr>
<td>Date of establishment</td>
<td>1975</td>
</tr>
<tr>
<td>Name and rank of the Director or Head</td>
<td>Mr. Ali Abdulla AL-ABDULLA Assistant Undersecretary for Planning Affairs Ministry of Municipality &amp; Urban Planning</td>
</tr>
<tr>
<td></td>
<td>Mr. Ahmad Musaed AL-MOHANNADI Director of Land &amp; Survey Department</td>
</tr>
<tr>
<td></td>
<td>Point of contact: Mr. Vladan JANKOVIC Head of Hydrographic Section</td>
</tr>
<tr>
<td>Tonnage</td>
<td>652,280</td>
</tr>
<tr>
<td>Staff employed</td>
<td>Total five, but only one hydrographer</td>
</tr>
<tr>
<td>Type of publication produced</td>
<td>Tide tables</td>
</tr>
<tr>
<td>Other information of the interest</td>
<td>Authority responsible for the MSI: Qatar Ports Management Company P.O. Box 313, Doha, QATAR Tel: +974 4445 7294 Fax: +974 4445 7295</td>
</tr>
</tbody>
</table>
2. Surveys

There was no significant increase in adequately surveyed area.

3. New charts & updates

Hydrographic Section does not produce any form of navigational charts. The United Kingdom Hydrographic Office is producing charts for the waters of Qatar. Information is available through the UKHO and RENCs. There is very high percentage of coverage of major shipping routes, approaches and harbours in Qatar.
Extract from the IHO Status Report on ENC Coverage:

<table>
<thead>
<tr>
<th>Coastal State</th>
<th>Have ENCs been released that cover international voyages?</th>
<th>ENC Producer Nation(s)</th>
<th>Remarks</th>
<th>Member of a RENC?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philippines</td>
<td>Gaps exist in ENC coverage</td>
<td>GB</td>
<td>includes some AVCS ENCs</td>
<td>YES</td>
</tr>
<tr>
<td>Poland</td>
<td>Good/Relatively few if any gaps</td>
<td>PL</td>
<td></td>
<td>YES</td>
</tr>
<tr>
<td>Portugal</td>
<td>Good/Relatively few if any gaps</td>
<td>PT</td>
<td></td>
<td>YES</td>
</tr>
<tr>
<td>Qatar</td>
<td>Good/Relatively few if any gaps</td>
<td>GB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Extract from an International Centre for ENCs:
4. **New publications & updates**

Except the Tide Tables and tidal information for 6 stations spread across the coast of Qatar, there are no other publications for mariners published by Hydrographic Section. The Qatar Ports Management Company is co-operating with the Middle East Navigation Aids Services (MENAS) and the UKHO for updating publications of Qatar sea area.

5. **MSI**

The Hydrographic Section has no direct MSI or GMDSS responsibility. The Qatar Ports Management Company is responsible for the MSI in Qatar sea area and information is available in the latest MSI update for the IHO special publication S-55.

6. **S-55**

Percentage of adequately surveyed area was not increased since the last RSAHC meeting.

<table>
<thead>
<tr>
<th>Depths &lt; 200m</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14</td>
<td>66</td>
<td>20</td>
</tr>
</tbody>
</table>

7. **Capacity Building**

- New survey vessel AL MASSAH and multibeam survey equipment have been acquired in December 2010
- Negotiating a bilateral arrangement for cooperation in hydrography
- Definition of hydrographic responsibilities in legislation
- Hydrographic personnel

8. **Oceanographic activities**

The HS is running a tide gauge network which consists of 6 tidal stations around the coast: Mesaieed port, Doha port, Ras Laffan port, Al Ruwais, Ras Ushayriq and Dukhan. Tidal stations are operational from four years up to more than fifteen years. The latest tidal study for Qatar was done in 1977, therefore a new tidal study is necessary.

9. **Other activities**

The HS is actively involved in various national and regional projects around Qatari coast and sea area as the following:
- New Doha Airport
- New Doha Port
- Qatar – Bahrain Causeway
- Ras Laffan Port Extension
- Maritime boundary projects
10. Conclusions

New build survey vessel AL MASSAH was acquired in December 2010. The vessel particulars are as follows:
Length overall 16.40 m
Beam 5.26 m
Draft 1.20 m
Speed 20 knots

The vessel is fitted with dual head multibeam survey system for data collection. A software package for bathymetric data post processing has been acquired too.

The next stage will be recruiting and training of hydrographic personnel. Assistance and cooperation with the IHO and the RSAHC will be needed for successful conclusion of this phase of hydrographic capacity building in Qatar.

Further information on this report can be obtained from:

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