CNA’s Integrated Ship Database
Second Quarter CY 2013 Update

Gregory N. Suess • Lynette A. McClain

USNS Alan Shepard (T-AKE 3)  
USNS Bridge (T-AOE 10)

USNS Yukon (T-AO 202)

DIS-2014-U-007712-Final
October 2014
Photo Credits


Approved for distribution: October 2014

Dr. Barry Howell
Director, Warfare Capabilities and Employment Team
Operations and Tactics Analysis

This document represents the best opinion of CNA at the time of issue.
It does not necessarily represent the opinion of the Department of the Navy.

APPROVED FOR PUBLIC RELEASE. DISTRIBUTION UNLIMITED.
Copies of this document can be obtained through the Defense Technical Information Center at www.dtic.mil
or contact CNA Document Control and Distribution Section at 703-824-2123.

Copyright © 2014 CNA
This work was created in the performance of Federal Government Contract Number N00014-11-D-0323. Any copyright in
this work is subject to the Government’s Unlimited Rights license as defined in DFARS 252.227-7013 and/or DFARS
252.227-7014. The reproduction of this work for commercial purposes is strictly prohibited. Nongovernmental users may
copy and distribute this document in any medium, either commercially or noncommercially, provided that this copyright
notice is reproduced in all copies. Nongovernmental users may not use technical measures to obstruct or control the read-
ing or further copying of the copies they make or distribute. Nongovernmental users may not accept compensation of any
manner in exchange for copies. All other rights reserved.
Contents

Introduction ....................................................... 1
  Background .................................................. 1
  Outline of this document .................................. 1

ISDB overview ................................................... 3
  Accessing the database ...................................... 3
  Organization of the ISDB file ............................... 7
    The Document tab ........................................... 7
    The Directory tab ......................................... 7
    DataTableOriginal ......................................... 7
    DataTableCopy ............................................. 13
    The Pivot Tables .......................................... 13

Changes in database content for this quarter .................. 25
  Routine update of source data .............................. 25
  Changes in the ship forces .................................. 25

Glossary .......................................................... 27

References ....................................................... 29

List of figures .................................................. 37
This page intentionally left blank.
Introduction

Background

In this CNA Interactive Software document, we present the update of our Integrated Ship Database (ISDB) for the second quarter of calendar year 2013.

In this version of the ISDB, as in the previous ones, we bring together data on naval ships from several different online government sources into a single combined database tool. The ISDB makes ship data readily accessible for analysis and reporting. By continually maintaining and updating the database, we are better able to respond promptly to requests for information on ships from our sponsor,¹ from other CNA research scientists and analysts, and from others in government as well.

Since our initial version in 2005 [1], we have published 29 quarterly updates [2–30]. All are available online on the Integrated Ship Database page of CNA’s website, www.cna.org.

Outline of this document

We begin with a brief overview of the ISDB to orient you in a general way to the database. But if you are looking for details, please refer to the original 2005 user’s manual [1] and to the fourth quarter 2011 update [25]. In addition, the documentation of the second quarter 2012 update [27] discusses the changes we made due to the Military Sealift Command’s (MSC) organizational realignment of 2012 [31].

¹ This work is being conducted as part of CNA’s Historic Fleet Employment Database Project, sponsored by the Deputy Chief of Naval Operations for Operations, Plans, and Strategy (N3/N5).
After the overview, we discuss our changes to the database because of modifications to the Naval Vessel Register (NVR), the MSC Ship Inventory, and the Maritime Administration’s (MARAD) National Defense Reserve Fleet (NDRF) Inventory between April 1 and June 30, 2013.

Finally, we present ship counts and inventory summaries as of June 30, 2013.
ISDB overview

In this section, we present an overview of the Integrated Ship Database. We tell you where to find the database online and how to access it. Then we show how the Microsoft Excel database file is organized according to worksheet tabs for documentation, database navigation, data tables, and pivot tables for display and analysis.

Accessing the database

You can find all issues of the database on the Integrated Ship Database page on CNA’s website (www.cna.org). The specific address for the main page for the database is http://www.cna.org/centers/operations-tactics/ship-database [32]. Figure 1 illustrates the main page.2

Figure 2 is a view of the bottom portion of the main page. It contains a list of the database products for calendar years 2012 and 2013, a link to the Database Archive, and a list of our data source organizations and respective points of contact.

Figure 3 shows the top portion of the Database Archive web page. Here you will find all our database products between September 2005 and December 2011.

---

2. Figures 1–3 display these web pages as of the time that this document was prepared. We update the ISDB web pages periodically, so depending on when you access the website, you may find some differences in details.
Figure 1. Main web page for the Integrated Ship Database

CNA Corporation's Integrated Ship Database contains selected information on particular ships throughout the fleet's history. The database has been compiled from authorized online U.S. Navy and U.S. government sources, including:

- The Navy's Naval Vessel Register SHIPS website
- The Military Sealift Command's Ship Inventory
- The Naval History & Heritage Command's Dictionary of American Naval Fighting Ships (ANFBS) and Ship History/Command Operations Reports
- The Maritime Administration's National Defense Reserve Fleet (NDRF) Inventory Reports
- The Navy Chief of Information's United States Navy Fact File

With the database, you can see the makeup of the Navy's Battleforce. You can find where ships are in their life cycle—authorized by Congress, under construction, in commission/in service, stricken from the Register, or disposed.

For additional detail on the layout of the database and for instructions on how to use it, please refer to our overview in the December 2011 update or our original 2005 User's Manual.

CNA Corporation's Integrated Ship Database was developed and is maintained by senior research scientist Greg Suss, Ph.D. (703.824.2231) and associate director Lynnette McElhinny (713.824.2855). If you have any questions, please contact us. We also welcome your thoughts and suggestions on improvements in this product.
Figure 2. Lower section of the main database page

2013

December 2013

› ISDB2013-12.xlam

September 2013

› ISDB2013-09.xlam

June 2013

› ISDB2013-06.xlam

March 2013

› ISDB2013-03.xlam

2012

December 2012

› ISDB2012-12.xlam

› Documentation (CNA Interactive Software DIS-2014-U-006685-Final)

September 2012

› ISDB2012-09.xlam

› Documentation (CNA Interactive Software DIS-2013-U-005782-Final)

June 2012

› ISDB2012-06.xlam Excel Macro-Enabled Worksheet (For Excel 2007 and 2010)


› Documentation (CNA Interactive Software DIS-2012-U-003585-Final)

March 2012

› ISDB2012-03.xlam

› ISDB2012-03.xls

Database Archive

› Click here to view database updates from 2005 to 2011

(This page was last updated on April 10, 2014)

Data Sources

› Naval Vessel Register
NFSH_NNSY_NVR_CUSTODIAN@NAVY.MIL

› U.S. Navy Fact File
Marie Tillery 202.433.0572

› National Defense Reserve Fleet Inventory
Barbara Vougias

› Military Sealift Command Ship Inventory
Kevin Mabon 202.685.5319

› Naval History and Heritage Command
Dan Jones 202.433.6601
Figure 3. The Database Archive web page

CNA’s Integrated Ship Database

(Database Archive)

(This page was last updated on February 14, 2013)

2011

- December 2011
  - ISDB2011-12.xlsx Excel Macro-Enabled Worksheet (For Excel 2007 and 2010)
  - Documentation
  - September 2011 and cover memo
  - June 2011 and cover memo
  - March 2011 and cover memo

2010

- December 2010 and cover memo
- September 2010 and cover memo
- June 2010 and cover memo
- March 2010 and cover memo

2009

- December 2009 and cover memo
- September 2009 and cover memo
- June 2009 and cover memo
- March 2009 and cover memo

2008

- December 2008 and cover memo
- September 2008 and cover memo
- June 2008 and cover memo
- March 2008 and cover memo

2007

- December 2007 and cover memo
- September 2007 and cover memo
- June 2007 and cover memo
- March 2007 and cover memo

2006

- December 2006 and cover memo
- September 2006 and cover memo
- June 2006 and cover memo
- March 2006 and cover memo

2005

- September 2005
Organization of the ISDB file

The Document tab

Upon opening the database file, you will see the view in figure 4. The graphic of the document cover contains an associated hyperlink for immediate access to the documentation. Double-click the graphic and the PDF document will immediately open if you have the appropriate Adobe software installed on your computer. (If you don’t, go to http://get.adobe.com/reader/ to download the software.) The Document tab is the first of ten tabs in the file. You can see the tabs at the bottom of the sheet.

The Directory tab

Figure 5 shows the next tab in the file—the Directory tab. The Directory helps you navigate to the various tabs in the database.

DataTableOriginal

The DataTableOriginal tab contains all the data. See figure 6 for a view of the top portion of the sheet. The rows in the sheet are the records of the database, one row for each ship hull unit. The columns are the database fields.

The records

We have color-coded the records in the database to depict the various Status categories:

- Authorized for construction
- Under construction
- Active
- Naval Reserve Force, Active
- Special, miscellaneous
- In reserve
- Leased or loaned
- Stricken
Figure 4. The Document tab
Figure 5. The Directory tab

![ExcelSpreadSheets.jpg](attachment:ExcelSpreadSheets.jpg)
### Figure 6. DataTableOriginal

| Z | Ship Name | Abbrev | Prefix | Hull No. (NVR2 Link) | NVRI Type | Status | Data Status/Change | C | Navy Co. | VR |
|---|-----------|--------|--------|---------------------|-----------|--------|-------------------|---|----------|---|}
| 1 | JOHN FINN | JDG-1  | DSG    | 23031               | DSG       | GMD    | Authorized/ fleets under construction | JDG-11 | DSG       | GMD | gmdjun '01 |}
| 2 | WILLIAM L. PERRY | JDG-2  | DSG    | 33032               | DSG       | GMD    | Authorized/ fleets under construction | JDG-22 | DSG       | GMD | gmdjun '01 |}
| 3 | FORD H. GIBSON | JDG-3  | DSG    | 33033               | DSG       | GMD    | Authorized/ fleets under construction | JDG-33 | DSG       | GMD | gmdjun '01 |}
| 4 | GEORGE WASHINGTON | JDG-4  | DSG    | 33034               | DSG       | GMD    | Authorized/ fleets under construction | JDG-44 | DSG       | GMD | gmdjun '01 |}
| 5 | JOHN PAUL JOHNSON | JDG-5  | DSG    | 33035               | DSG       | GMD    | Authorized/ fleets under construction | JDG-55 | DSG       | GMD | gmdjun '01 |}
| 6 | IRELAND | JDG-6  | DSG    | 33036               | DSG       | GMD    | Authorized/ fleets under construction | JDG-66 | DSG       | GMD | gmdjun '01 |}
| 7 | IRTON | JDG-7  | DSG    | 33037               | DSG       | GMD    | Authorized/ fleets under construction | JDG-77 | DSG       | GMD | gmdjun '01 |}
| 8 | IRON | JDG-8  | DSG    | 33038               | DSG       | GMD    | Authorized/ fleets under construction | JDG-88 | DSG       | GMD | gmdjun '01 |}
| 9 | JOHN C. Stennis | JDG-9  | DSG    | 33039               | DSG       | GMD    | Authorized/ fleets under construction | JDG-99 | DSG       | GMD | gmdjun '01 |}
| 10 | JOHN PAUL JOHNSON | JDG-10 | DSG    | 33040               | DSG       | GMD    | Authorized/ fleets under construction | JDG-110 | DSG       | GMD | gmdjun '01 |}
| 11 | IRELAND | JDG-11 | DSG    | 33041               | DSG       | GMD    | Authorized/ fleets under construction | JDG-111 | DSG       | GMD | gmdjun '01 |}
| 12 | IRTON | JDG-12 | DSG    | 33042               | DSG       | GMD    | Authorized/ fleets under construction | JDG-112 | DSG       | GMD | gmdjun '01 |}
| 13 | IRON | JDG-13 | DSG    | 33043               | DSG       | GMD    | Authorized/ fleets under construction | JDG-113 | DSG       | GMD | gmdjun '01 |}
| 14 | JOHN C. Stennis | JDG-14 | DSG    | 33044               | DSG       | GMD    | Authorized/ fleets under construction | JDG-114 | DSG       | GMD | gmdjun '01 |}
| 15 | JOHN PAUL JOHNSON | JDG-15 | DSG    | 33045               | DSG       | GMD    | Authorized/ fleets under construction | JDG-115 | DSG       | GMD | gmdjun '01 |}
| 16 | IRELAND | JDG-16 | DSG    | 33046               | DSG       | GMD    | Authorized/ fleets under construction | JDG-116 | DSG       | GMD | gmdjun '01 |}
| 17 | IRTON | JDG-17 | DSG    | 33047               | DSG       | GMD    | Authorized/ fleets under construction | JDG-117 | DSG       | GMD | gmdjun '01 |}
| 18 | IRON | JDG-18 | DSG    | 33048               | DSG       | GMD    | Authorized/ fleets under construction | JDG-118 | DSG       | GMD | gmdjun '01 |}
The fields

Each record in the ISDB is made up of 32 fields:

- Ship Name
- Abbrev (for ship abbreviation, usually a trigraph)
- Prefix
- Hull number (with link to NVR web page)
- NVR Type
- UIC (for Unit Identification Code)
- Status
- Date Status Changed
- Class (with link to Navy Fact File)
- NVR Force

3. PMARS: MARAD’s Property Management and Archive Record System
4. DANFS: Dictionary of American Naval Fighting Ships from the Naval History and Heritage Command (NHHC)
• 5030.8A Force
• 5030.8A Ship Category
• 5030.8A Ship Classification
• 5030.8A Ship Type
• **MSC Ship Link**
• MSC Type, with link to MSC Program page—e.g., to [Sealift (PM5) page](#)
• MARAD/NDRF Program-Type/Status (with link to [NDRF page](#))
• DANFS Entry (with link to [NHHC’s DANFS ship page](#))
• Ship History Report (with link to [NHHC’s Ship Histories/Command Operations Reports Index](#))
• Homeport (with link to [NVR Homeport page](#)) as of the end of June 2013
• Previous, Other Names
• Award Date
• Keel Date
• Launch Date
• Delivery Date
• Commission Date
• Age of the ship\(^5\)
• Decommission/Out Of Action (OOA) Date
• Inactivation Date
• Stricken Date
• Date last updated
• Additional Comments, References

---

5. For commissioned ships, the age is the time between its delivery date and the latest date the Pivot Table was refreshed. For historical ships, the age is based on the delivery date and the decommission/OOA date. If either of these dates is unavailable, we use the commission date and/or the inactivation date, respectively.
**DataTableCopy**

We have protected the DataTableOriginal page to prevent unintentional data changes and maintain configuration control. With page protection, however, Microsoft Excel inhibits some features.

By copying DataTableOriginal into the blank DataTableCopy, all features are available. With this table, you can modify the contents of DataTableOriginal to suit your needs, while preserving the data table in its original form on the DataTableOriginal workbook.

**The Pivot Tables**

We’ve used Excel Pivot Tables to display the contents of the database in several different summary forms. Pivot Tables enable you to examine the contents of the database at varying levels of specificity.

**BasicPivotTable**

As shown in figure 7, the Basic Pivot Table presents a view of the makeup of the entire ISDB. There, you can see the distribution of the 3,178 ship records by Ship Status Group.

To demonstrate the ease and flexibility of pivot tables in Excel, we present a sequence from the fully compressed Basic Pivot Table in figure 7 to a fully expanded view of the Active Status Group in figure 10.

First, we need to filter the table to present only the Active Status Group. Figure 8 shows the drop-down menu for column A with the Active Status Group selected. Click ok.

Figure 9 then displays how to expand the compressed Active Status Group into the specific individual ship Status type, NVR Ship Type, Hull Number, and Ship Name. A right-click in the Status Group cell produces the drop-down menu with which the entire Status Group field can be expanded. Figure 10 is the top portion of the resulting expansion.
Figure 7. Basic Pivot Table

<table>
<thead>
<tr>
<th>Status Group</th>
<th>Status</th>
<th>NVR Type</th>
<th>Roll No (NVR Link)</th>
<th>Ship Name</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorized</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>29</td>
</tr>
<tr>
<td>Under</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Active</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>248</td>
</tr>
<tr>
<td>Naval Reserve Force, Active</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>In Reserve</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Leased</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>Loan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Disposal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Miscellaneous (NVS Chartered and MARAD/DRF Ready Reserve Force (RRF))</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>Military Sealift Command (USCG), Contract Operated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>33</td>
</tr>
<tr>
<td>Military Sealift Command (USCG), Naval Fleet Auxiliary Force</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Military Sealift Command (USCG), Special Mission Ships</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Military Sealift Command (USCG), in service (Sealift Program)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Military Sealift Command (USCG), not in NVR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Not in NVR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>43</td>
</tr>
<tr>
<td>Grand Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>562</td>
</tr>
</tbody>
</table>
Figure 8. Filtering on the Active Status Group using column A drop-down menu
Figure 9. Expanding the entire Status Group field
Figure 10. Top portion of fully expanded Basic Pivot Table
The QuikLook Pivot Tables

The QuikLook Pivot Tables present the compositions and counts of ships according to two different conventions that define Navy, MSC, and NDRF forces.

The first convention is specified in the Secretary of the Navy’s Instruction 5030.8A on General Guidance for the Classification of Naval Vessels and Battleforce Ship Counting [33]. At the highest level, Instruction 5030.8A distinguishes between Battleforce and Non-Battleforce ships.

The second convention is that used by the Naval Vessel Register in its database field named “Force.” This convention was formerly used for Navy budgeting, planning, and programming [35]. At the highest level, ships are assigned to either the Ship Battle Forces or to the Local Defense and Miscellaneous Support Forces.

*QuikLook_5030.8A Battleforce.* Figure 11 shows the composition of the 5030.8A Battleforce by Ship Category, Ship Classification, and Ship Type as defined in this Instruction.

*QuikLook_NVR Ship Battle Force.* The makeup of the NVR Ship Battle Force is by NVR Force, Status Group, Status, and Ship Type, as shown in figure 12.

*Quiklook 5030.8A Non-Battleforce.* Figure 13 shows the organization of the Non-Battleforce ships according to the 5030.8A instruction in this Pivot Table.

*QuikLook_NVRLocDef&MiscSptForce.* The composition of the Local Defense and Miscellaneous Support Forces of the NVR convention is displayed in figure 14.

---

6. In March 2014, SECNAV INSTRUCTION 5030.8A was superseded by INSTRUCTION 5030.8B [34]. In this document, we retain 5030.8A as the standard since it was in effect during the data period of interest.

7. Over the years, the term, “Battle Force,” has been defined differently and has taken different forms (as in the previous paragraph, “Battleforce”) in the various ship classification and counting schemes. To emphasize the existence of these differences and hopefully minimize ambiguity, we retain the forms used in the respective source documents cited here.
Figure 11. Composition of the 5030.8A Battleforce by ship classification and ship type as displayed in the *QuikLook_5030.8A Battleforce* Pivot Table

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Return to Directory</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Count of Ship Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5030.8A Force</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Battleship</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Warship Combatant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Warship Submarine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Warship Amphibious Warfare</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Other Combatant Combatant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Other Combatant TM Support</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Other Combatant Food Support</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Column</th>
<th>Ship Type</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Conventional, T/F or Landing, A/C Carrier, Multipurpose, A/C Carrier (nuclear-powered)</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Amphibious, Helicopter, &amp; Landing Craft Carrier, Amphibious Assault Ship (general purpose)</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Amphibious, Helicopter, &amp; Landing Craft Carrier, Amphibious Assault Ship (multi-purpose)</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Amphibious, Helicopter, &amp; Landing Craft Carrier, Amphibious Transport Dock</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Landing Craft Carrier, Dock, Landing Ship</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Other Transportation, Inland Combat Support Ship</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Other Transportation, Inland Support Ship</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Other Transportation, Inland Support, Aircraft</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Other Transportation, Inland Support, Transport</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Command Support Ship</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Material Support (Submarine Tender)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Salvage Ship</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Surveillance</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Surveillance</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Inland Support</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Inland Support</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Inland Support</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Inland Support</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Mine Countermeasure Ship</td>
<td>1</td>
</tr>
</tbody>
</table>

Total: 5030.8A Battleforce 200
Figure 12. Makeup of the Ship Battle Forces as displayed in the QuikLook_NVR Ship Battle Force Pivot Table.
Figure 13. 5030.8A Non-Battleforce composition as displayed in the *QuikLook_5030.8A NonBattleForce* Pivot Table

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count of Ship Name</td>
<td>5030.8A Ship Category</td>
<td>5030.8A Ship Classification</td>
<td>5030.8A Ship Type</td>
<td>Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5030.8A Force</td>
<td>Non-Battleforce</td>
<td>Combatant Craft</td>
<td>Patrol Combatant</td>
<td>Patrol Ships/Patrol Coastal</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Auxiliary Ship</td>
<td>Auxiliary/Support Type Ship</td>
<td>Other Auxiliaries/Cable Repairing Ship</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Auxiliaries/Cargo Ship</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Auxiliaries/Hospital Ship</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Auxiliaries/Missile Range Instrumentation Ship</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Auxiliaries/Oceanographic Research Ship</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Auxiliaries/Vehicle Cargo Ship</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other Auxiliaries/Transport Other</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Grand Total</td>
<td></td>
<td></td>
<td></td>
<td>55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Figure 14. QuikLook Pivot Table for the Local Defense and Miscellaneous Support Forces of the NVR convention, *QuikLook_NVRLocDefMiscSptForce*.
ShipAge Pivot Table

The final pivot table in the data file is named *ShipAge Pivot Table*. You can see the opening view of the table in figure 15. This table presents the age-of-ship data for Battleforce ships, organized using the 5030.8A ship-type groups. The ages displayed in the table are either: (1) the ages computed as of the date when the database was finalized, or (2) the ages as of the last “Refresh” of the Pivot Table.

To refresh the ship age calculation, you can right-click anywhere on the table and select “Refresh.” Or you can go to the Data tab in the menu bar and use the “Refresh All” button. Refreshing the age calculations will not account for decommissionings that may have occurred since the end of the second quarter of CY 2013.

The pivot table shows the number of ships within each group, the average age of ships in the group, the age of the oldest ship, and the age of the newest ship delivered.
Figure 15. View of the Ship-Age Pivot Table
Changes in database content for this quarter

Routine update of source data

We modified the database to account for the changes in our three major data sources through the quarter. As mentioned earlier, our sources include: (1) the NVR [36], (2) MSC’s Ship Inventory [37], and (3) MARAD’s NDRF Inventory [38].

We obtained the data from NVR by email [39], from MSC’s Ship Inventory “Show changes” web site [40], and from MARAD’s monthly reports on the NDRF Inventory [41–43].

Changes in the ship forces

SECNAVINST 5030.8A Battleforce increases to 286 ships

During the second quarter of 2013, the number of ships in the Battleforce as defined in SECNAVINST 5030.8A increased from 283 to 286 ships because three ships were delivered:

- USNS Montford Point (T-MLP 1) on May 14
- PCU Minnesota (SSN 779) on June 6
- USNS Choctaw County (T-JHSV 2) on June 6

Figure 11 shows the composition of the Battleforce at the end of the quarter by the classification scheme in the 5030.8A Instruction.

We verified the count and the changes against the Navy Operations Center’s “OPNOTES/Worldwide Navy Distribution” and “CNO’s Current Ops Brief” products [44], and the Ship Management Information System (iSMIS) Manager’s report of the Total Battleforce Count [45].
NVR Ship Battle Forces at 286 ships

The composition of the Ship Battle Forces according to NVR’s ship classification system as presented in ISDB’s Quiklook_NVR Ship Battle Force Pivot Table is shown in figure 12. The ships included here are the same as in the 5030.8A Battleforce. But the two ship classification schemes are different. A comparison of the two systems can be found in the documentation accompanying the December 2011 ISDB update [25].

SECNAVINST 5030.8A Non-Battleforce ship count at 55

During the second quarter the Navy’s Non-Battleforce fleet was unchanged. The makeup of the force from our Quiklook_5030.8A_NonBattleforce Pivot Table is shown in figure 13. Our data are consistent with the Navy Ship Annual Supplemental Data Tables (SASDT) of June 2012 [46] and July 2013 [47].

NVR Local Defense and Miscellaneous Support Forces at 115 ships

According to the NVR’s classification scheme, ships not in the Ship Battle Forces may fall into its Local Defense and Miscellaneous Support Forces organization. The ships in these forces include the ships in the 5030.8A Non-Battleforce. They also include ships in the Ready Reserve Force, reported in MARAD’s National Defense Reserve Fleet Inventory reports. Figure 14 shows the makeup of these forces from our Quiklook_NVRLocDef&MiscSptForce Pivot Table.
## Glossary

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANFS</td>
<td>Dictionary of American Naval Fighting Ships</td>
</tr>
<tr>
<td>ISDB</td>
<td>Integrated Ship Database</td>
</tr>
<tr>
<td>iSMIS</td>
<td>iSMIS Ship Management Information System</td>
</tr>
<tr>
<td>MARAD</td>
<td>Maritime Administration</td>
</tr>
<tr>
<td>MSC</td>
<td>Military Sealift Command</td>
</tr>
<tr>
<td>NASSCO</td>
<td>National Steel and Shipbuilding Company</td>
</tr>
<tr>
<td>NAVSEA</td>
<td>Naval Sea Systems Command</td>
</tr>
<tr>
<td>NAVSHIPSO</td>
<td>NAVSEA Shipbuilding Support Office</td>
</tr>
<tr>
<td>NDRF</td>
<td>National Defense Reserve Fleet</td>
</tr>
<tr>
<td>NHHC</td>
<td>Naval History and Heritage Command</td>
</tr>
<tr>
<td>NVR</td>
<td>Naval Vessel Register</td>
</tr>
<tr>
<td>OOA</td>
<td>Out of action</td>
</tr>
<tr>
<td>PCU</td>
<td>Pre-Commissioning Unit</td>
</tr>
<tr>
<td>PMARS</td>
<td>Property Management and Archive Record System</td>
</tr>
<tr>
<td>RRF</td>
<td>Ready Reserve Force</td>
</tr>
<tr>
<td>SASDT</td>
<td>Ship Annual Supplemental Data Table</td>
</tr>
<tr>
<td>SECNAVINST</td>
<td>Secretary of the Navy Instruction</td>
</tr>
<tr>
<td></td>
<td>Ship and Aircraft Supplemental Data Table</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Name</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>UIC</td>
<td>Unit Identification Code</td>
</tr>
<tr>
<td>USNS</td>
<td>United States Naval Ship</td>
</tr>
<tr>
<td>USS</td>
<td>United States Ship</td>
</tr>
</tbody>
</table>
References


[46] Steve Dreiss, SCN Manager (OPNAV N9I), Warfare Integration. Memorandum for distribution. Subject: Department of the Navy Ship Annual Supplemental Data Tables (SASDT) w/ Encl: (1) PB13 SASDT outlining the Navy’s Battle Force and Non-Battle Force Ships Inventory Data Tables. Date: Jun. 5, 2012.
Steve Dreiss, SCN Manager (OPNAV N9I), Warfare Integration. Memorandum for distribution. Subject: Department of the Navy Ship Annual Supplemental Data w/ Encl: (1) PB14 SASDT outlining the Navy's Battle Force and Non-Battle Force Ships Inventory Data Tables. Date: Jul. 10, 2013
This page intentionally left blank.
List of figures

Figure 1. Main web page for the Integrated Ship Database .................................. 4

Figure 2. Lower section of the main database page ..................................... 5

Figure 3. The Database Archive web page .................................................. 6

Figure 4. The Document tab ................................................................. 8

Figure 5. The Directory tab ................................................................. 9

Figure 6. DataTableOriginal ............................................................... 10

Figure 7. Basic Pivot Table ................................................................. 14

Figure 8. Filtering on the Active Status Group using column A drop-down menu .................................................. 15

Figure 9. Expanding the entire Status Group field ................................. 16

Figure 10. Top portion of fully expanded Basic Pivot Table ...................... 17

Figure 11. Composition of the 5030.8A Battleforce by ship classification and ship type as displayed in the *QuikLook* 5030.8A *Battleforce* Pivot Table .................................................. 19

Figure 12. Makeup of the Ship Battle Forces as displayed in the *QuikLook* *NVR Ship Battle Force* Pivot Table .................................................. 20

Figure 13. 5030.8A Non-Battleforce composition as displayed in the *QuikLook* 5030.8A *NonBattleForce* Pivot Table .................................................. 21
Figure 14. QuikLook Pivot Table for the Local Defense and Miscellaneous Support Forces of the NVR convention, 
QuikLook_NVRLocDef&MiscSpfForce. . . . . . . . . . 22

Figure 15. View of the Ship-Age Pivot Table . . . . . . . . . . . . 24