

The Tools of Owatatsumi

Japan's Ocean Surveillance and Coastal Defence Capabilities

The Tools of Owatatsumi

Japan's Ocean Surveillance and Coastal Defence Capabilities

Desmond Ball and Richard Tanter



Australian
National
University

P R E S S



Published by ANU Press
The Australian National University
Canberra ACT 0200, Australia
Email: anuepress@anu.edu.au
This title is also available online at <http://press.anu.edu.au>

National Library of Australia Cataloguing-in-Publication entry

Title: The tools of Owatsumi : Japan's ocean surveillance and coastal defence capabilities / Desmond Ball, Richard Tanter.

ISBN: 9781925022261 (paperback) 9781925022278 (ebook)

Subjects: Boundary disputes.
Underwater surveillance--Japan.
Coast defenses--Japan.
Territorial waters--Japan.
Territorial waters--China.
United States--Foreign relations--Japan
Japan--Foreign relations--United States.

Other Authors/Contributors:
Tanter, Richard, author.

Dewey Number: 327.14

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior permission of the publisher.

Cover design and layout by ANU Press

Printed by Griffin Press

This edition © 2015 ANU Press

Contents

Frontispiece	vii
Plates	xi
Acknowledgements	xxiii
Acronyms and Abbreviations	xxv
1. Introduction	1
2. Post-Cold War Intrusions into Japanese Waters	5
3. The JMSDF's Ocean Surveillance Architecture	15
4. The Japanese Ground Self-Defense Force (JGSDF)	19
5. The Organisation of the JMSDF: The High Command, Fleet Bases and Regional Districts	29
6. Japanese Undersea Surveillance Systems, 1920–45	37
7. Technical Developments since 1945	43
8. US SOSUS Stations	51
9. JMSDF ELINT/Undersea Surveillance Stations	55
10. Airborne Ocean Surveillance	79
11. JMSDF SIGINT Collection and Ocean Surveillance Ships	85
12. The US Ocean Surveillance Information System (OSIS)	93
13. The Maritime Safety Agency (MSA)/ Japan Coast Guard (JCG)	99
14. Assessment of Japan's Ocean Surveillance Capabilities	103
Bibliography	105