

Japan's Future Priority Areas of Arctic Policy

**Policy Elements to be Considered on the Development of
the Third Revised Basic Plan on Ocean Policy**

November 2017

Study Group for the Future of the Arctic

(Secretariat)

The Nippon Foundation

National Graduate Institute for Policy Studies

Ocean Policy Research Institute of the Sasakawa Peace Foundation

-DSDQ¶V)XWXUH 3ULRULWV

\$UFWLF 3ROLF\

3ROLF\ (OHPHQWUHQREH & RQVHG HORSPH

WKH 7KLUG 5HYLVHG %DVLF 3ODQ RQ

3ROLF\ (OHPHQWV WR EH &RQVLGHUHG R
WKH 7KLUG %DVLF 3ODQ RQ 2FHDDQ

•YwH ` `€ pH Q 5 P WKBDQ RI LVWKLf ERfHLVp\
JHQJWKHQ DQG VXS SRUWELQHQDMLMFXBWXHDUFKr]“HÁSBQMEFb@QGÀ`C
&RQWULEXWLRQV
(IIRUWV WR DGGUHV V HQYLURQPHQWDO FKDQJ
(QVXULQJ &RQVHUYDWLRQ RI WKH OFHDLQ H (QY
3URPRWLRQ RI WKH 2FHDDQ (FRQRPI\ %OXH (FRQ
6XSSRUW LQQRYDWLRQV IRU SURPRWLQJ VXXW
&UHDWH \$UFWLFELHMOBSSRGUWXQLWLHV
6HFXULQJ 6DIHW\ DQG 6HFXULW\ RI WKH \$UFWLF
&RQWULEXWH WRURDHRQMDLQZ QIQWKH \$UFWLF
(QKDQFH PDULWLQHGRPD \$QLQZ DUKH \$UFWLF
3URPRWLQJ ,QRPHUODWLRQDRQ WKH \$UFWLF
&RQWULEXWH WR WKH SURFHVV RUFLQWLFHUQDW
V WR EH DEOH WRFRQWULE
SUREOHPV LQ WKH \$UFWLF
&RQWULEXWH WR OFKLMYRQV WXVHSDQWHERDHO'V
6' * V LQ WKH \$UFWLF

.QWURGXFWLRQ

7KH ,PSRUWDQFH RI WKH \$UFWLF IRU -DSDQ

7KH \$UFWLF DQG LWV DGMDFHQW PDWHURFKVD QJH IDLQK KDYH
ZDUPLQJ DW PRUH WKDQ WZLFH WKH UDWL RI WKH JOREDO D
\$UFWLF VHD LFH LQVWURGXPHU DSSURJUDJLWV LQ WZRU MHFWH
WUHQG ZLOO FRQWLQXH WKURXJKVLRQ DW HQWKV VHLGDFH QVX
FRQWLQXH DW FXUUHQW UDWLHV HMKRI \$UFWLFLH2E G DVX FRXOD
WKH ODUH V

7KH UDSLQ HQYLURQPHQWDO FKDQJHV XQGHUWZDVLQW WKH \$E
ERWK \$UFWLF DQG QRQ \$UFWLF VWLQV KZLOVKHQ JUDQ JHK IRIG
VHD LFH LV PDNLQJ XVH RI WKH \$RSHQEQGHDS5RHW R\$SBHW
LQFOXGLQJ WKH GHYHORSPHQW RI FURVRIQF\$SWDWIGHWRXPULV
ZDUPLQJ RI WKH \$UFWLFLHQH QVXVHQJHWHKXQFLQJ DDQG ZD
WKH \$UFWLF 2FHDQ DVVRFLDWHG FZLWVKVWLQJ RHCWFHQJ RQFVLG
DQG LWV LPSDFW RQ IUDJLOH \$UFWLFWKFRPHOWHLQJ RHD DQGH
FOLPDWH FKDQJH DQG FKDQJHV LQ \$UKFWKFG DQG RRJQFDQ OFR
ZHOO DV SRWHQWLDO FKDQJHV LQWLKH VHFUXLW\ HQYLURQP

7KHVH HQYLURQPHQWDO FKDQJHV LQ WKH \$UFWLF UHJLRQ
:KLOH -DSDQ LV QRW DQ \$UFWLF VWDWH EXW D ³PDULWLPH
DIIHFWHG E\ FOLPDWH FKDQJH LQ DQ \$UFWLFLS KHHULRQLWV
WKH RWKHU KDQG EHLQJ JHRJUDSKLFFDQDORQDWK \$VIRVQ
-DSDQ LV LQ D SRVLWLRQ WR HQG PC SR F ...p @ dF

FRPSUHKHQVLYH SURPRWLRQ RI \$UFWSPHQWHDUREVHLQYFDW
HTXLSPHQW VXFK DV UHPRWHO\ RSVHUYLHG YBWLFOOHLWHS89 H

(QKDQFH LQLWLDWLYHV UHODWHG WR \$UFWLF UHVHDFK
z ,Q RUGHU WR LQFUHDVH -DSDQTV SDHVLQWBLQ YLQWLH
LQLWLDWLYHV VSHFLILHG LQ -DSDQTV \$UFWLHSDRJKH
VXSSRUW V\WHPV IRU WKH FXUUHQW \$U&6 SURMHFW W
IXWXUH GHYHORSPHQW DQG ORQJ W\H)RPLPSODQGXDSR
-DSDQ VKRXOG LPSURYH PHDVXUHV IRU SURBERFKLQV
DV WKURXJK WKH HWWBBOEKKPHVZRNDDQGRQVHXGHU
\$U&6 SURMHFW VWUHQJWKHQLQJ UROOFRIDFWLRQQGL
VRFLDO VFLHQFHV DQG WKH KXPDOOLVLRWHDGIZHQGLQ
DSSURDFK WRMLRQWUQDWHLRQFKOSURMHFWV

6WUHQJWKHQ DQG VXSSRUW LQIUDVWUXFWXUHV IRU VFLHQ
z 3URYLGH VXSSRUW IRU WKH GHYHORSPHQW RI LQIUDVW
WKDW HQDEOHV WERQWRILLFOEWKHUDDWDJDSV LQ WKH
LFH FRYHUHG DUHDV WKH FHQWUDO \$UFWLF)RFHDKD
SXUSRVH -DSDQ VKRXOG LPSURYHVWUXFWXUHVXUHQH
UHVHDFK YHVVO IRU \$UFWLF UHVHDFKXBRGDSDW
REVHUYDWLRQ HTXLSPHQW \$89 HWFSURGHGHORSSSRV
IRU LPSOHPHQWLQRMREOWZHWKDWK\$UFWLF FRDVWDO
z ,W LV QHFHVVDU\ WR FRQVWUXFW D UHVHDFK YHVVO
FDSDELOLWLHV E\ WKH HDUO\ LQDMWKKSDHFWLVRG
PXOWLSDUDPHWHU DQG ZLGH DUHDORVHRSRDUWLRQLQ
FRQVLGHU \HDU URXQG XWLOLJDWLRQURHVMKUHFDVGHU
REVHUYDWLRQ LQ DUHDV RWKHU WLFLOQWKRSHUFWERQ
WKH UHVHDFK YHVVO

z (IIRUWV VKRXOG DOVR EH PDGH WR DVLGHQWJHQW
WHFKQRORJLHV VXFK DV \$89V IRURWKHSDRDEKDDQV
REVHUYDWLRQ LQ DUHDV ZKLFK YHVVOV FDQQRW DFFH
z 'HYHORS DQG PDLQWDLQ WKH OLFURZBYREVFHQQQJ 5D
VDWHOOLWH DQG LWV VXFFHVVURU ZKLFK LV QHFHVVDU
FOLPDWH FKDQJH LQ WKH \$UFWLF RFHQ

3URWHFWLRQ RI WKH ODULQH (QYLURQPHQW RI DWLGH \$
&RQWULEXWLRQV

7KH HIIHFWV RI FOLPDWH FKDQJH DUH PRUH HYLGHQW LQ W
ZLWK LPSDFWV QRW RQO\ RQ WKH \$UFWLFHE XLW WKDW HGW
LQFUHDVLQJO\ FOHDU DFFRUGLQJ WR WKH WDFUHQMLVLE DIVLG
LQ WKH \$UFWLF 2FHDQ WKDW H[WSKHPUHZVXWK HDV LQ WKHP
ZLQWHUV D VHULHV RI YHU\ FROGLQJ WKH KHORSWKLRQ/ KBRGV
OLQNV WR FKDQJHV RI VHD LFH DUMB EQHWKUH \$RWWIHF 2WK
WHPSHUDWXUH RI WKH \$UFWLF 2FHDQ LV LQFUHDVLQJ DV D
ZDUPLQJ DQG GHVDOLQDWLRQ DQGHFRVLGVMFDWLRQLDULQGLI
HQYLURQPHQWDO FKDQJH LQ WKH \$UFWLF LV QRW RQO\ D S

(IIRUWV WR \$GGUHV&KQYJHURQPHQW\$UFWLF 2FHDQ
z &RQWLQXH HIIRUWV WR FRQGXFWRQVMKND\$MFRQFDQGHV
DQG SURPRWH WHFKQRORJLFDO GHYRODSEPHQWVWRBQH

GHYHORS PHQW RI RFHDQ WHFKQRORJLHV DIQGLMRV QWVLRK
\$UFWLF DQG RWKHU VWDWHV FRQFHUQHG

Z

VXSSRUW DQG UHVSQRVHV IRU DGGULMMLPLHQ G LPDDMLWHLUWH IFQ WKX
ZLOO DOVR EH LPSRUWDQW IRU - DSDR IWRD IFRQ VDLQGE XMHFXWRV
\$UFWLF 2FHDQ E\ PDNLQJ XVH RI I\DPVS DDLQ QDXMIFQDOW KKBUMW
LFH IODVK FKDUWV IRU VDIH QDYLJDWLQFO XDLRQJ FWRQBX\$V
K\GURJUDSKLF VXUYH\V LQ WKH \$UFWLF 2FHDQ DQG XVLQJ
VDWHOOLWHV WKURXJK \$URSHU FWRQVZQWKVDWHV

&RQWULEXWH WR PDLQWDLQLQJ WKH UXOH RI ODZ LQ WKH
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\$UFWLF DQG RWKHU FROVHLLQXHG WWHVGRWHGJHDWKBQV
&RQYHQWLRQ RQ WKH /DZ RI WKH 6HDI V 81Q /WKHE\$UB\$S
2FHDQ DQG WKDW UHODWHG SULQFO SODZ/ UGFQXGLJHG
³IUHHGRP RI QDYLJDWLRQ´ EH UHVSHFWHG
z ,Q RUGHU WR PDLQWBEGRQJGHSRQV DWHDFRQKQDQDIEWL
SDUWLFLSDWH LQ WKH IXWXUH SRRFWKH \$UEQWHUQDDV
DQG EXLOG FORVH FRRSHUDWLYHIRUHGDWXBQKLSHDZHW
XVH RI WKH \$UFWLF 2FHDQ
z ,Q SUHYHQWLQJ DQ HVFDODWLRQ GRHWHQRSLPHQW VQFWK

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3URPRWLRQ RI ,QWHUQDWLRQDO &RRSHUDWLRQ RQ WKH \$U

(QYLURQPHQWDO FKDQJHV LQ WKH \$UFWLF WQV SRQ BWLDRQLRQ VFR
ZKHWKHU \$UFWLFDFWLRQ RQ \$UFWLFDFWLRQ BODOR BSGU BXLWQODWH
UHVSRQGLQJ WR WKRVH LVVXHV \$WUDKHLRQDFHW WLPHH QIDQWLIR
ZHOO DV FRRSHUDWLRQ DPRQJ LQGDMWLPLSRU WQQWUHRUHDSUFR
VXVWDLQDEOH GHYHORSPHQW LQ WKHH \$UBWHFFUZKHWHHQJHQ
FRPPHUFDO RSSRUWXQLWLHV VXFVHDVQWKHWKMHGRYHWKHSB
QDWXUDO UHVRXUFHV

6LQFH UXOH PDNLQJ UHJDUGLQJ DQG FRRUGLQDWLRQ RI L
VXEVDQWLDLDO\ UFWLFHQ&RXQVRLQVSHUQDFZLVWKHWHQJ DGHPFXV
QHFHVVDU\ LQ RUGHU WR VDIHJLWU DQDSDQDFH QDDWLROEHO
WKDW -DSDQ KDV REVHUYHU VWDWXV LQ WKH \$UFWLF &RXQ
\$UFWLF LVVXHV LHWGK)RUWHMRKILV H\$SRXQGHWDWSDFA VRSRUWD
GHYHORSQJ H[SHUWV RQ \$UFWLF LVFLXHFV ZKHV DWHV DIEROH
VXVWDLQDEOH GHYHORSPHQW RI WKH \$UFWLF DQG WR SDUW
LQWHUQDWLRQDIOH \$UDWLQ &RXQSDQ WDWVWRO \$BRLFRWH DQG
MRLQW LQWHUQDWLRQDO \$UFWLFHQGHQHWK \$UFWLFQVWHDMY
WR LQFUHDVH LQWHUQDWLRQDQDQDFRSDQDFH GHYHORSPHQW

7KH FKDOOHQJHV IDFLQJ WKH \$UFWRDFGDIWHU IDQ\ WRBJDXIOMQ
VWDWH RU WKH \$UFWLF VWDWHVR DGRQHWRD G&EHHWV \$XQALR
FUHDWH QHZ RSSRUWXQLWLHV WKDW DUH WUDQVQDWLRQDO
VWUHQJWKV LQ VFLHQFH DQG WHFKQRORZHUVKWXIQ JDWKWDE
DQG PXOWLQDWXU \$UFWRSDQDQDQDFRSDQDFHFRQDWLVE XWLRQV
LQWHUQDWLRQDQDQDFRSDQDFHWRKHLRQDQDQDFRSDQDFH RFDQ JRYH

,W LV DOVR LPSRUWDQW IRU -DSDQ WR FRQWULEXWH WR ID
6'*V' LQ WKH \$UFWLF DV SDUW RI LWV ,QQWHQDQWRQDQDFRSDQDFH
\$UFWLF &RXQFLO KDSQ LWBGLXPWIDRQWHORHSPHQW *RDOV DQG V
IRU WKHLU UHDOLJ]DWLRQ' LQ WKH)\$LDEBQNLWHPHQDQDQDFRSDQDFH

&RQWULEXWH WR WKH SURFHVV RUFLVQWLFHUQDWLRQRQDO UXOH
z \$FWLYHO\ SDUWLFSLSDWH LQ PHHWLQJV UHODWHG WR LQ
VXFK DV WKH \$UFWLF &RXQFLO \$&FXVQLR QV FERXUHGJ HR Q
VFLHQWLILF JURXQGV LQ RUGHU WR WKHQV X Q W HWLGH W Q RV
FRPPXQLW\

z \$FWLYHO\ HQFRXUDJH UHODWHG FRXQWUXLOHV WR OVDZ'N H
RUGHU WKDW UHOHYDQW LQWHUQIDRQLR & R Q YOH DZV L R Q F O X
WKH /DZ RI WKH 6HD 81&/26 EH D S S H F R H Q D J G W Q G M U V
LQWHUQDWLRQRDO ODZ LQFOXGLQJ ³IRQHVG R P R H I D Q D Y L
LQFOXGLQJ WKH \$UFWLF 2FHDQ

3URPRWH LQWHUQDWLRQRDO VFLHQW WKH \$ Q G W L F F K Q R O R J L
z %\ SURPRWLQJ LQWHUQDWLRQRDO RIR Q Q W X U H D H D E K Q F R V
DOVR LQ WKH VRFLDO VFLHQFHV D Q G V K I L R Q Q L Q W L H V
LQWHUQDWLRQRDOO\ FRQWULEXWHQW R K D I G S U F H W L F Q V X H Q Y
WKH ZDUPLQJ RI W K H \$ U F W L F S D F H W Q R Q J O R E D O F O L P D W I

z 3URPRWH \$UFWLF F R R \$ H U D W E R Q W D W H R W L Q X F O X L Q J R I W H
E L O D W H U D O D Q G R Q W P X Q W H D D W K Q D O S U F W R Q F O X L Q J D R I
D J U H H P H Q W R Q V F L H Q W L I L F D Q G W H F K Q R O R J L F D O F R R S

'HYHORS DQG IRVWHU KXPdq UHVXUQV LQ W S U R E O H P V I Q R
\$UFWLF

z ,Q RUGHU WR FRQWULEXWH WR VROYLQJ SUREOHPV L
HGXFDFWLRQ DQG UHVHDFK IRU WUDLQLQJ DQG VHFUXL
WKH QDWXUDO VFLHQFHV LQFOXGLQJ D W H F K Q R O R J L F D O
KXPdqLWLHV

z &RQWULEXWH WR WKH FDSDFLW\ EXLOGLQJ RI SHRSOH
FRRSHUDWLRQ WKURXJK SURYLGUQJ H D S S R U Z W W I R U D L S D W
LQFOXGLQJ LPSURYHPHQW RI KXEV WKH U H F K D Q J F K B I Q G
UHVHDFKHUV LQ WKH \$UFWLF VWDWHV

&RQWULEXWH WR DFKLHYLQJ WKH 8 R Q W H * R D O W L R Q V 6 L X Q W
WKH \$UFWLF

z *LYH FRQVLGHUDWLRQ WR WKH \$ U F W L F X B I D T X H U H F K D W I
SURPRWH ³WKH 6XVWDLQDEOH 'HYHORS S P H Q G L Q R D O V 6
3ULQFLSOHV' DQG ³6SHFLILF OHDVXUHV WR \$FKLHYH

*RDOV ' WKDW ZHUH³6XVRSWLRQ EOH WKYHGRSPHQW *RD
3URPRWLRQ +HDGTXDUWHUV' DW WKHLQ UHFHPELHQVWHU
ZLWK SDUWLFXODU IRFXV RQ DQKHHDQJ*RBDO R
RQ 2FHDQV DQG 6HDV