

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 DGGUHVV HQYLURQPHQWDO FKDQJ
(QVXULQJ &RQVHUYDWLRQ RI WKH OFHDLQ H (QY
3URPRWLRQ RI WKH 2FHDDQ (FRQRPI\ %OXH (FRQ
6XSSRUW LQQRYDWLRQV IRU SURPRWLQJ VXXW
&UHDWH \$UFWLEHMHOBSSRGUWXQLWLHV
6HFXULQJ 6DIHW\ DQG 6HFXULW\ RI WKH \$UFWLF
&RQWULEXWH WRURDHRQMDLQZ QIQWKH \$UFWLF
(QKDQFH PDULWLQHVRPD \$QLQZ DUKH \$UFWLF
3URPRWLQJ ,QRPHUODWLRQDRQ WKH \$UFWLF
&RQWULEXWH WR WKH SURFHVV RUFLQWLFHUQDW
V WR EH DEOH WRFRQWULE
SUREOHPV LQ WKH \$UFWLF
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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 LQH WKH HQXGPEHU DSSURJUDJLWV WDWLW ZSRM HFWH
WUHQG ZLOO FRQWLQXH WKURXJKVLRQ DW HQHQKRW VHLGDFH QVXQ
FRQWLQXH DW FXUUHQW UDWLHV HMKRI \$UFDWLH2E E DVX FRXOD
WKH ODUH V

7KH UDSLQ HQYLURQPHQWDO FKDQWKV XQGHUWZDVLQR WKE \$E
ERWK \$UFWLF DQG QRQ \$UFWLF VW DW BV KZLOVKHQ JHDQ JHK IRIG
VHD LFH LV PDNLQJ XVH RI WKH \$RSMQEQGHDS5 QNWR \$SBH WQ
LQFOXGLQJ WKH GHYHORSPHQW RI FURZFRIDQF \$SW DWIGH WDXPLV
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WKH \$UFWLF 2FHDQ DVVRFLDWHG FZLWVK WLQJ RH CRFHQJ RQ FVLG
DQG LWV LPSDFW RQ IUDJLOH \$UFWLF FWHKFR FHOWHQRW RHD DQGH
FOLPDWH FKDQJH DQG FKDQJHV LE \$UKFWKFG DQG RRJQ FDQ OFR EOK
ZHOO DV SRWHQWLDO FKDQJHV LEWLKH VHFUXLW\ HQYLURQP

7KHVH HQYLURQPHQWDO FKDQJHV LQ WKH \$UFWLF UHJLRQ
:KLOH -DSDQ LV QRW DQ \$UFWLF VWDWH EXW D ³PDULWLPH
DIIHFWHG E\ FOLPDWH FKDQJH LQ DW \$UFWLFV KHU LRF LWKX
WKH RWKHU KDQG EHLQJ JHRJUDSKLFF 2EEDORQDWK \$VIRVQ
-DSDQ LV LQ D SRVLWLRQ WR HQG PC SR F ...p @ dF

FRPSUHKHQVLYH SURPRWLRQ RI \$UFWLFPHQWHDUREVHLQYFDW
HTXLSPHQW VXFK DV UHPRWHO\ RSVHUYLHG VBWLFDOHLW\$89 H

(QKDQFH LQLWLDWLYHV UHODWHG WR \$UFWLF UHVHDFK
z ,Q RUGHU WR LQFUHDVH -DSDQTV SDHVLQWBLQ YLQWLH
LQLWLDWLYHV VSHFLILHG LQ -DSDQHVD\$GFWMBHSRQWLFH
VXSSRUW V\WHPV IRU WKH FXUUHQW\$U&6SURMHF W KD
IXWXUH GHYHORSPHQW DQG ORQJ W\H)RPLPISDQGXDSRKR
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VRFLDO VFLHQFHV DQG WKH KXPDOQLQLRWHDG LZFQGLQ
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6WUHQJWKHQ DQG VXSSRUW LQIUDVWUXFWXUHV IRU VFLHQ
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LFH FRYHUHG DUHDV WKH FHQWUDO \$UFWLF)RFHDKD
SXUSRVH -DSDQ VKRXOG LPSURYHVWUXFWXUHRW XUH
UHVHDFK YHVVO IRU \$UFWLF UHVHDFKXBRGD\$ODW
REHUYDWLRQ HTXLSPHQW \$89 HWFSURGHGHORSSSRV
IRU LPSOHPHQWLQRMREOWZHWKDWK\$UFWLF FRDVWDO
z ,W LV QHFHVVDU\ WR FRQVWUXFW D UHVHDFK YHVVO
FDSDELOLWLHV E\ WKH HDUO\ LQDMWKKKSDHFWLVWRG
PXOWL SDUDPHWHU DQG ZLGH DUHDORVHRSYDWLBRQLQ
FRQVLGHU \HDU URXQG XWLOLJDWLQJURHVMKUHFKHVDU
REHUYDWLRQ LQ DUHDV RWKHU WLFLOQWKH\$UFWLWEROV
WKH UHVHDFK YHVVO

z (IIRUVV VKRXOG DOVR EH PDGH WR DVLQHQWKKHQ WK
WHFKQRORJLHV VXFK DV \$89V IRURWKKH\$RODEKDDQD
REHUYDWLRQ LQ DUHDV ZKLFK YHVVOHV FDQQRW DFFH
z 'HYHORS DQG PDLQWDLQ WKH OLFURZBYREHUYDQJQJ 5D
VDWHOOLWH DQG LWV VXFFHVVURU ZKLFK LV QHFHVVDU
FOLPDWH FKDQJH LQ WKH \$UFWLF RFHDQ

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
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LQ WKH \$UFWLF 2FHDQ WKDW H[WSKHPUHZHDXWKHDV LQ WKHP
ZLQWHUV D VHULHV RI YHU\ FROGLQJ WKH KHORSWK RQ KBRGV
OLQNV WR FKDQJHV RI VHD LFH DUMB EQHWKUH \$RWWIHF 2WK
WHPSHUDWXUH RI WKH \$UFWLF 2FHDQ LV LQFUHDVLQJ DV D
ZDUPLQJ DQG GHVDOLQDWLRQ DQGHFRVLG VWFHWLRQLDULQGLI
HQYLURQPHQWDO FKDQJH LQ WKH \$UFWLF LV QRW RQO\ D S

(IIRUWV WR \$GGUHV&KQYJHURQPHQW\$UFWLF 2FHDQ
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WR ERWK WKH HQYLURQPHQW DQG WKH HFRQRP\ LQ DQ\ PHDV
)XUWKHUPRUH -DSDQ VKRXOG DWLQF L SODUWHLFDX DFUR R S S B D
WKH \$UFWLF FRDVWDO VWDWHV LXH FRFRQRPHW LQJ WKKH \$UFWRPLF
VRXQG GHYHORSPHQW RI -DSDQ V P DULFH W L Q H X L V W U H U Q D W
FRPSHWLWLYHQHV RI -DSDQ V P R U W O N H L Q G X W X U H V W K W R L X
HIIRUV RI WKH SXEOLF DQG SULQHW H FRPFDRLV V I W R I S Q E R V
HFRQRPLF DFWLYLWLHV LQ WKH \$UFWLVK R X O G Q V X S R S R U W K D W
LQYROYHPHQW RI -DSDQHVV FRPS D R J X V L Q Q Z W H F K D W U R Q D Q
RI LQG XVWU\ UHSUHVHQWDWLYHV S R L V L & R X O W H O V D Q F K W K H V
&LUFQH DQG SURRWEIX L Q G W Q D W K S Y H N Q R Z O H G J H RI \$UFWLF
LQG XVWULDOLJ DWLRQ E\ WKH -DSDQHVV EXVLQHVV FRPPXQLV

6XSSRUW LQQRWDWLRQV IRU SURPRWK Q \$UFWLVW DLQDEOH
z 5HODWHG JRYHUQPHQW RIFQ HWW O R F D Y D R Y H B R P S I Q U D W L
DQG DFDGHPLF LQVWLWXWLRQV VKR X O G Q E R F S I Q G X W W
UHVHDFK RQ VFHQDULRV RI FRPPM K H L X D L O V H D W I L R K R I
\$UFWLF 6HD 5RXWH WKH GHYHORSPHQW FR2 F R D W X U D Q G
WRXULVP LQ WKH \$UFWLF 2FHDQ WKDW DUH FRPSDWLEC
HQYLURQPHQW)RU WKLW SXUSRVH -DSDQ VKRXO
LQG XVWU\ DFDGHPLD JRYHUQPHQW F R O D E R U D W L R Q D Q
z 7KURXJK FROODE R Q G W V W O L Z L O K D W H O P L G D Q G W R U M H U D F
VKRXOG VXSSRUWEIXVLQHWLR R R G I H O G D W G H L Q V R O D J D W L R G
\$UFWLF 2FHDQ DQG \$UFWLF 6HD 5RXWHV E R Q G X G M Q H G G E
WKH JRYHUQPHQW S D E G L F W X Q G J V
z 6WUHQJWKHQ DFWLYLWLHV IRU UDLFLW J B Z D H F R Q H R P V F D
DFWLYLWLHV ZLWK UHJDUG WR WKYH \$UFWLVK F K Q F V X G I P Q
RU V\PSRVLXP RQ WKHVH WRSLFV
z 7DNH SURDFWLYH PHDVXUHV WR LP S V R Y X F R Q G V H Q S Z Q R G U
XSJUDGHG KDUERUV UDLOZD\V D L N S R R Q W H F D Q G J W W K H
\$UFWLF 6HD 5RXWH LQFOXGLQJ GHYHORSIPH Q W R Q O D
+RNNDLGR E\ JLYLQJ WKH IXWXUIR S R L V G H O W D L R Q R I W K L V
&UHDWH \$UFWLF UHODWHG EXVLQHVV RSSRUWXQLWLHV
z &UHDWH LQWHUQDWLRQDO EXVLQHVV L Q R S S B B W X Q I H W W R V
LQQRWDWLRQ VXSSRUWV LQ WKH I L K X O E G I R U R F H M H O U F K P

GHYHORS PHQW RI RFHDQ WHFKQRORJLHV DIQGLMRLQZWLK
\$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 QDXMIFQJOW 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
z ,Q PXOWLODWHUDO IRUXPV VXFLODDWHKUD\$UGMDFR&RXQ
\$UFWLF DQG RWKHU FROVHLQXHG WWHVGRWHGJHDWKBQV
&RQYHQWLRQ RQ WKH /DZ RI WKH 6HDI V 81Q /WKHE\$UFB\$S
2FHDQ DQG WKDW UHODWHG SULQFO SODZ/ UEFQXGLJHG
3IUHHGRP RI QDYLJDWLRQ ' EH UHVSHFWHG
z ,Q RUGHU WR PDLQWBEGRQJGHSRQV DWHDFRQKQDQDIEWL
SDUWLFLSDWH LQ WKH IXWXUH SRFWKH \$UEQWHUQDDV
DQG EXLOG FORVH FRRSHUDWLYHIRUH QDWXBQQKLSHDZHW
XVH RI WKH \$UFWLF 2FHDQ
z ,Q SUHYHQWLQJ DQ HVFDODWLRQ GHWHQVLRQV VQFWK

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

(QYLURQPHQWDO FKDQJHV LQ WKH \$UFWLFDWLRQ RI WLDLQJ VFR
ZKHWKHU \$UFWLFDWLRQ RI WLDLQJ VFR
UHVSRQGLQJ WR WKRVH LVVXHV \$WUDKHLRQDWH WLPHH QIDQWLIR
ZHOO DV FRRSHUDWLRQ DPRQJ LQGDMWLLPSRUWQGWUHRUHSUFR
VXVWDLQDEOH GHYHORSPHQW LQ WKH \$UBWHFFUZKHWHQJHQ
FRPPHUFDO RSSRUWXQLWLHV VXFWDVDWKHWKMHGRYHWKHS\$
QDWXUDO UHVRXUFHV

6LQFH UXOH PDNLQJ UHJDUGLQJ DQG FRRUGLQDWLRQ RI L
VXEVDQWLDLQJ WDWLFQ&RXQWRLQVSHUQDFZLVWKHWHQJ DGHPFXV
QHFHVVDU\ LQ RUGHU WR VDIHJLDU DQDSDQDQFH QDDWLROEHO
WKDW -DSDQ KDV REVHUYHU VWDWXV LQ WKH \$UFWLFDWLRQ &RXQ
\$UFWLFDWLRQ LVVXHV LHWGK)RUWHMRKILVHS\$RSDGHDWVDFQ VRSRUWD
GHYHORSQJ H[SHUWV RQ \$UFWLFDWLRQ LVLXHV ZKHV DWHV DIEROY
VXVWDLQDEOH GHYHORSPHQW RI WKH \$UFWLFDWLRQ DQG WR SDUW
LQWHUQDWLRQDOHIDWILQ&RXQSDWVWVWRO\$BRLFRWH DQG
MRLQW LQWHUQDWLRQDO \$UFWLFDWLRQDQDWHV \$UFWLFDWLRQDQDWHV
WR LQFUHDVH LQWHUQDWLRQDOHQDFRSDXDFH GHYHORSPHQW

7KH FKDOOHQJHV IDFLQJ WKH \$UFWLFDWLRQ IDQ\ WRQJDXIOMQ
VWDWH RU WKH \$UFWLFDWLRQ VWDWHVRDGRQHWRDQ&EHHWV\$XQWL
FUHDWH QHZ RSSRUWXQLWLHV WKDW DUH WUDQVQDWLRQDO
VWUHQQJKV LQ VFLHQFH DQG WHFKQRORJHUVKWXIQJDWKWQDE
DQG PXOWLQDWXU\$UFWLFDWLRQDQDWHV\$UFWLFDWLRQDQDWHV
LQWHUQDWLRQDQDWHV\$UFWLFDWLRQDQDWHV\$UFWLFDWLRQDQDWHV

,W LV DOVR LPSRUWDQW IRU -DSDQ WR FRQWULEXWH WR ID
6'*V' LQ WKH \$UFWLFDWLRQ DV SDUW RI LWV ,QQWHUQDWLRQDO
\$UFWLFDWLRQ &RXQFLO KDSQ LWBGLXPWIDRQDWHORS
IRU WKHLU UHDOLJDWLRQ' LQ WKH)\$LDEBQNLWHPHQDDWLIRQ

&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 WKH X Q W H W I Q H W Q R V
FRPPXQLW\

z \$FWLYHO\ HQFRXUDJH UHODWHG FRXQWUXLOHV WR OVDN'H
RUGHU WKDW UHOHYDQW LQWHUQIDRQLR & R Q Y O H D Z 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 ³IRQHVGKRP RHIDQDYL
LQFOXGLQJ WKH \$UFWLF 2FHDQ

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z %\ SURPRWLQJ LQWHUQDWLRQRDO RIRQQW XUHDV 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\ FRQWULEXWHQWRKDIG\$UFWLFL QV XH 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
ELODWHUDO 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
DJUHHPHQW RQ VFLHQWLILF DQG WHFKQRORJLFDO FRRS

'HYHORS DQG IRVWHU KXPdq UHVXUFLVQJ 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 E Q
KXPdqLWLHV

z &RQWULEXWH WR WKH FDSDFLW\ EXLOGLQJ RI SHRSOH
FRRSHUDWLRQ WKURXJK SURYLGUHQJ 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 \$ 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 UHFHPPHQW VWHU
ZLWK SDUWLFXODU IRFXV RQ DQKHHDQJ*RBDO R
RQ 2FHDQV DQG 6HDV