

CMnCaGayCvitrbsvisyCI pl

bclQnñH \TBI énTknRtU)anGkviTúasaRSBmTTYsÁ yagTUWUay  
faCaKnddI mYEdI eFGayektmaneLgnvUBBSEhabI cTkvamdgTenø  
eday³ Gandts bl esn (By Anders Poulsen)

RbsnebygrkeLkemll BmatRcadénTenøKgå eygnng)aneXlj TidæBdRtakal mYénExSTW  
hTfakcdeTAEptkxagerkam. eTsPaBdWreGayKyKnenHRtU)anERbRbll eLgcheTAtamrdUkal  
énkMtTikePógmIsqvsSa. TidæBEbbenHGacBNpI eFGaymanGarmPNEsal dI mnusSmY  
cmh pæyeTAvij ebygsmgemll TenøabBéð)ateRkammvij KWahakbdtCamankarhtenOy  
sem,mNas;. qgtankal evI arabsbqalmngmkrebs;TenøKgå væRbob)anCaTidæBénrbft  
dRssbRbGmYEdI )anel cRtEdteLgyagdténH. tamKthEdI CI FasaRsbps;TikCMnenACM  
vij byTensabEdI )anerobcMsgtamRbBéThmYkMUTbögaj eGayeXlj nuKmtTikeLgchrb;  
byTensabeTAtamrdUkal dZak;l akmy. ThksemgeRbobdtCacgUkebhddgeI atEdI bBaak;  
bEnneGayeXlj kanEtc,as;fabbyTensabBitCa }ebHdénTenøKgå EdI manédERBksbyyag  
erchCatMnagénsrésQamhlcakbBj .

dtEdI eyg)andgrsabehtyBNTBI rbs;TikCMn; sgUkénkarERbØVl nuKmtkBS;TikeLgch  
KWakkpknrbbsRbBéGkLL sTenøKgå Caerogral qamTikCMnmsqCn;l cval Tmabd¾gel by  
EdI enACab;tamdgmat;Tenø BBKrtEdI rsenAtamdgTenøKgå ansRmbxörbsvaeTAtamkar  
bRbWl énrdUkal TaldénH. RtCaerchRbePTmanExSCvitd¾sal abdayTTY )anPl RbeyaCn¾  
yagerchBNTBI énTikCMn; dtCaKMBW as;Tyagc,as;l as; beglteGaymanpl yagerch nig  
Gacray)ayRKb;TikEngTaldGs;

eKal KmitsBNTBI énTikCMnEdI )aneKsM enAcgTsvtSTI 80 )aneFGayeKTTY sÁI fa  
CaktpkINtdknWGBGkLL sTenøBkCamYngval TmabI cTikenACMij va. eKal KmitenHRtU  
)aneKepneFbTbögaj Cael kdldgenAkjnsisITenøFMenARbeTskaNadakyqamI 986. enAeBI  
enahelyEdI CavFimYénkarBBN VanUeKal KmitBRbBéGkLL srbps;Tenø bntabBéBI enah  
mk eKal Kmitxagel enHeFGaymankarTTY sÁI yagTUWU aydI GkviTúasaRSpl Tik-  
sab. enAÉsnisITenøFMeI KT2 EdI )anerobcMLgenAraCFanPbBj kal BtdmqamhH

-2003; eKal KmitenHRtU)aneKyI RBmykmkeFCaKMKal dza,as;I asmYsMabRKbRKgTeno  
FM -sthemll Evbsay [www.lars2.org](http://www.lars2.org).

tamkarsnd(an)anel keLgfa <sup>3</sup>karRbmU pMbsBBKClvsa<sup>3</sup>PaKerchEdl rrsenAtamTenKWTU  
mankNltpl; rldayRbeyal mkBITMabl icTik. tameBaHTenFM PaKerchRkanEtCapueFV  
cracreTArkEdnCMkenAtamdlnyal I icTiketbaNih - TenaHehlyEdl CakEngS<sup>3</sup>WicNIEFVGay  
RtFBj vly CaTKEngBgkbnigEfbWn rRbeFCaTCMkenArdUR)adj. PaKerchenpl Edl cab)an  
BGagTenomKgARkamEdl )an)anRbmaNfamanRbEhI Ca 2I anetankymYq<sup>3</sup>MenAKCapl Edl  
ektitecj mkBdlnyal TMabl icTikdFM lyeI nyenACMij Tensab nigbgTensab k<sup>3</sup>CacllnEdndI  
SNpTenomKgAngPaKerchTTV )anmkBltamédERBk rldTenFM. PaKerchenrnfikTensab  
Rbcab<sup>3</sup>Edl Cal Tpl TTV )anmkedaypl BNTBI rbs;TikClnKbegiteGaymansar<sup>3</sup>SMan;  
b<sup>3</sup>Edl dlnEdl enACMij va.

edm,Itaj ykpl eGay)anCaGtbrimaBNTBI énTikCln; vdpVitrbsRtl nigvarst<sup>3</sup>TeTotk<sup>3</sup>an  
sRmbSRmV KäyagCitsifCamYngClnRbcab<sup>3</sup> karbW as;TbsRtPaKerchK<sup>3</sup>iteLgTnm  
KäCamYngedm nigcgrdUmsgedm,EFcracreTAKanEdnCMktamTval TMabl icTik ehlyBKvak<sup>3</sup>/<sub>4</sub>  
bW as;TRtLbecj mkvij mmeBl Edl val TMabTajenaHeKaKrgs<sup>3</sup>. \TBI énTikCln)anCnekh  
eLgPam<sup>2</sup>CamYngk<sup>3</sup>adjTikhicd Edl eFVGayRtbW as;TiqateTarkTKEngBgkbn<sup>3</sup>EsyrkTI  
kEngI icTikEdl s<sup>3</sup>WicNIEAtamval I icTWTabjenah. kmt TikFakenAcgrdUmsg  
eFVGayRtRbmU pMenAtamval edayCaT<sup>3</sup>ARTF<sup>3</sup>bW as;Thamxmkmm ehlyCabonpnabBBK  
Rtlt<sup>2</sup>bW as;Tmk tamerKay. GikensaTenAtamdG TenomKg<sup>3</sup>tgdyg,asBeBl evl a nigRbePT  
RtEdl bW as;TtATamrdUTikeLg nigTikRsk Edl eFVGayBKkatebR)asnURbePT]bkrN<sup>3</sup>/<sub>4</sub>  
ensaT)anyagRtmRtUeTAtamrdUkal. Clvit nigClvPaBrssenArbsshKmn<sup>3</sup>saTk<sup>3</sup>UBgEpK  
eTAel NTBI énTikClnenHpgEdr.

karCRmUBgekltmaneLgTnmBI CamYKngvTBI rbs;TikCln;

RtCaerchRbePT)anCMUBgenAedlmrdUTikdMLg Edl GaceFVGayk<sup>3</sup>Rtlt<sup>2</sup>GacbEN]x<sup>3</sup>clU eTA  
dl dln;I icTikEdl s<sup>3</sup>WicNIEAtamval TMabl icTikEdl ekltmanedaysarEt]\TBI énTikClnmI  
sg. RtRbePTx<sup>3</sup>)anCMUBgenAtamval TMabl icTikpl Etmg. kbRtITajjenah)anrsenArkF<sup>3</sup>at;

enAtamEdnChkI ic TikTadjenahrhtdI eBI eKGaccabva)anEtmj. RtRbePTxBeTotBgenAdln;  
qaly ehlykbrtITadjenah)anGENIt tamcrnftkclmkerkamclU tamdlnyal TMabI ic Tik.

karRbRbWpTArbsRtKWekiteLgRtUeBI RBmKaCamYng \TB I én TikChn;. RtCaerChRbePT  
ChMBgenAtamdgTenomKgPaK] tpTisenRbeTskm&a nigPaKTKSINTisenRbeTSLav edayBng  
EpktamcrnftkclmhtnalykkbrtEmSAEdI mancJayCag 500KILUmRtclU eTAtamdlnyal TMab  
I ic TikPaKxagt,grRbeTskm&a nigRbeTseVotNam. RbsnebRtITadjenahChMBgel Onmm  
rdUkal 2 rW 3 GaTitu kbrtITadjenahGacng)atbgedaysarEtBkvaBibachitclU eTAKjyby  
Tensab nig tamTenkclmCaRbBjzTeTotrbsbyTensab.

eday sarEt \TB I én TikChnKIN teGaykarRbRbWpTArbsRbePTRtITadjenah BkvaKjansRmb  
s<sup>3</sup>mI eTAngbbrbM Tadjenah. Ca]TahrN<sup>3</sup>/4karErb<sup>3</sup>VI éneBI evI achBaHkarcabepmeLgrbs;  
TikChnKW enAeBI NaEdI karCneLgenahRsbKaCamYngry<sup>3</sup>eBI nig mancNH -TihM Tiksm-  
Rsrbrbsva.

\TB I rbs; TikChnKWa }karekbr{ mYd<sup>3</sup>ManbptkjclmNamRbBjeGkLLSlsMan<sup>2</sup>bpt rbs;  
TenomKg§ enHCal kN<sup>3</sup>BessmYpgEdrEdI nabGaymnisSeygEsgrk)annUeCaKCy sMabeFV  
karGPivDAn<sup>3</sup>/4dtCa<sup>3</sup> kskmp pl itkmparGKlsnl nigkarBarnUTikChn;. kargarCacm,grbs;  
KN<sup>3</sup>kmkarTenomKgKWtUeFVyagNaeGaymannirhpPaBrvagesckptUkarén karGPivDAn<sup>3</sup>/4 CamY  
ngkarEfrkSa)annUFnFanFmCatRokbedaypl itPaB nigsnPaBI Rbest edayEpkyagNa  
eF#GayepGagenArkSa)anpl RbeyaCn<sup>3</sup>sbmnisSCMannng kclmCakbecACManeRkay. edm, eFV  
eGaysbrc)annUkarSRmbs<sup>3</sup>mI edaymannirhpPaEBbenH eygRtUTamTareGayman<sup>3</sup>

- EpnkarGPivDAn<sup>3</sup>/4ZagTajmU edayepptCasManeTael esckptUkarénk<sup>3</sup>gn nigktbrisan  
EdI BngEpktajRsgteTael NTB I én TikChnedayrhtajvisyCI pl pgEdr.  
EpnkarGPivDAn<sup>3</sup>/4ZagTenomsKN<sup>3</sup>kmkarTenomKgKWayan yagRbzCakmY  
sMabdnrkarénkargarGPivDAn<sup>3</sup>/4Zadjenah.
- ral c,ab;Tmab;MabkarEckcayTik EdI )anEcgenAkjkmFerbR)as;TW rbs;  
KN<sup>3</sup>kmkarTenomKgádayKitKHCasManeTael esckptUkarénk<sup>3</sup>gn eday  
rhtajdesckptUkaréRbR)as;Tikedm, eFVGaypl itpl CI pl mannirhpPaB.

- ral meFüa)ayTajLayNaddCaTmbFMEdI bgeRKahmhnbaydI karEfrkSa nURbB&eGkLL&su manCaGaTvisyCI pl pgEdr. BFIsarrWdHTWRtUeFGay rkSa)annUpI itPaBrbs;Teno nigeCogvag ]TahrN¼ eFGaymanCmn:l icI g; edaysarEt karrWdHTik yageRchBGagenArdUR)atj.
- GikRkbRKg nigGikRsavRCavTajGsRtUdakGtPaBCacm,geTAel brimaNén\T& BI rbs;TikCmn,TabvisyCI pl eFGay)ankanEtgayRsV sTabvisy epSg<sup>2</sup>eTot ehlyGikeFipnkarGPiDAnK&UetykcitTikdak,CasManeTAel bBaä enHpgEdr.

\T&BI rbs;TikCmn,KUFGayebHdgmandNfkar. RbsnebbHdgObel at enaRbB&TajmU ngRtUsab;

*Anders Poulsen* KWaGikviTüasaRspI pl mäEEdI Fab)anbnAkögkmpFCI pl rbsKN<sup>3</sup>- kmkarTenomKgÁ

*Anders Poulsen is a fisheries biologist who formerly worked for the MRC Fisheries Programme.*



enAeBl NamanPaBsRktürKbRKaneFwGaykarsædcit (BkargarRKbRKg) ankanEtI ResiteLg.

snisitiGnpCatel kTI 2 sþkarRKbRKgTenFmsMvisyCipl Edl )anRbRBitþFwLgenA  
raCFanPþBj naEx kmø qam2003 kngeTAenH )anrkeXlij fa<sup>3</sup> \Tþl rbs;Tenø nigeKal Kmit  
døT<sup>2</sup>eTot)anbgäj eGayeXlij nUPsþtag }nUPaBRbkdRbCaTajRsg{ cab;taþBkarerobctsnisiti  
el kTI 1 enAkqam 1986. }karyl þgCaTøTAmlyeTAel hxnatishKmnøZl pl enAtamTenKv  
bcø,nänH)anbgäj yagRKbRKanedm,GaceGayeK GaceFkarsMccitþancþBalkargarRKbRKgCaTø  
TABakBþeTAngkkþbrisänenAtamTensMvisyC;ipl } enHcaesckþfþgkarEdl )anRbkasecj  
Blsnisiti. GgRbCmI )ancU rhedayGikCmaj karcmhCag 220 nakEdl CatINagmkBbðn;Tene  
Fmcmh 96 enAel skl el ak )anGþavnaveGaybegþmaneLgnUynþkarsMþfakððn; nigfakCati  
edm,smðgecj nUesckþtUkarrbsbNþshKmnEdl rsenABþEpþkTajRsgøTAel RbPBvarCati  
TajLay. esckþfþgkar kþanGþavnavepgEdreGaymankarCaebkcmrnU l mtrbsRbBþeGkLl ðsl  
én ral RbBþval Tmabl icTik tamdgTenø edayRtUrnþBað nUral EpnkarGPiDAn<sup>3</sup>4nigRtUKitKþnU  
ral karvaytøll Bþl bhBal enAtamrdUkøðCakarbm as;TrbsRtl nigral esckþtUkarénkarbnþC  
rbsva.