

POLICY FOR THE APPRAISAL AND ADMINISTRATION OF NORTHERN TERRITORY DEVELOPMENT FISHERY APPLICATIONS

Fishery Report No. 60

Updated July 2006

Department of Primary Industry, Fisheries and Mines
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1 INTRODUCTION

The commercial fishing industry is characterised by evolving technologies and changing market opportunities. The Executive Director of Fisheries may issue permits or licences to conduct trials of new fishing gear, or to harvest aquatic resources not currently utilised by existing fisheries. These trials are termed development fisheries.

The management of the Northern Territory's development fisheries is guided by this policy. The 'Policy for the Appraisal and Administration of Northern Territory Development Fishery Applications' encourages the development of new fisheries and fishing gear through ecologically sustainable development, ensuring aquatic resources are managed and utilised according to the precautionary principle.

2 THE NORTHERN TERRITORY FISHERIES DEVELOPMENT OPPORTUNITIES COMMITTEE (NTFDOC)

The NTFDOC was founded in 1998 to streamline the assessment of applications for development trials. The NTFDOC assesses applications to trial new fishing gear or new species and provides informed and impartial recommendations to the Executive Director of Fisheries on the issuance of development permits or licences. The NTFDOC is also responsible for the regular review of this policy document.

The NTFDOC comprises an independent Chair, representatives of the commercial, recreational and indigenous fishing sectors and a member of Fisheries. Appointment to the NTFDOC brings with it a range of responsibilities including the requirement to act in the best interests of the resource, rather than as an advocate for any particular interest. The NTFDOC Charter dictates the principles governing the Committee (see Appendix 1).

The Committee meets in February of each year to allow ample time for the issue of permits or licences in the forthcoming licensing year, which commences on 1 July. However, if an applicant presents exceptional circumstances, the Executive Director of Fisheries may call an out of session meeting to consider an application. During these meetings the NTFDOC may adopt or review a policy on any development fishery. Potential applicants are advised to consider these policies when preparing their applications (see Appendix 2).

3 THE ROLE OF THE EXECUTIVE OFFICER TO THE NTFDOC

Fisheries provides an Executive Officer to the NTFDOC. It is the role of the Executive Officer to facilitate the application and assessment process, and coordinate the daily administration of the development fisheries. The Executive Officer does not have a vote in the assessment of applications, and is to provide informed and impartial advice to the applicants, the NTFDOC and the Executive Director of Fisheries.

Persons who have any queries relating to the development fisheries, or require assistance with their application, should contact the Executive Officer to the NTFDOC. Contact details are provided on the inside cover of this document. Potential applicants are strongly advised to discuss their proposed trials with the Executive Officer prior to commencing their application. The Executive Officer will be able to provide details of the current and former policies for each development fishery.

The Northern Territory Seafood Council is also available to assist applicants develop concepts and applications. The Seafood Council employs a Fisheries Extension Officer who specialises in gear technology and seafood quality control procedures. The Seafood Council is located at Level 1, Fisherman's Place, Fisherman's Wharf, and may be contacted on 08 8981 5194.

4 PROGRESSION OF DEVELOPMENT FISHERIES

4.1 Development Permits

Fishers who wish to conduct development trials are required to lodge an application detailing set information on the proposed activities (see Section 5). All applications are reviewed by the NTFDOC, which makes recommendations to the Executive Director of Fisheries. The Executive Director makes the final assessment, and approves or rejects, each application.

Applicants of new development trials that are approved by the Executive Director will be offered a development permit for a period of up to 12 months. Performance criteria and milestones are assigned to each permit so that the feasibility of the trials may be assessed. Permit holders who achieve these criteria and milestones may apply to have their permit renewed upon its expiry. If the criteria and milestones have not been achieved, the permit holder will have to justify to the NTFDOC and the Executive Director why the permit should be renewed.

Development permits may be renewed a maximum of two times. Only where exceptional circumstances apply will the permit be renewed thereafter. At any stage where the development permit holder can demonstrate his/her trials are both ecologically sustainable and economically viable, he/she may apply for a development licence. It should be expected that the development trials would need to be conducted over the full three-year period to be able to demonstrate this to both the NTFDOC and the Executive Director.

4.2 Development Licences

To assist the NTFDOC and the Executive Director in determining whether a development licence should be issued, Fisheries with the assistance of the permit holder, may produce a background paper on the proposed development. This paper may be circulated to key stakeholder groups at the discretion of the Executive Director.

Applicants that are recommended by the NTFDOC for approval by the Executive Director will be offered a development licence for a period of up to 12 months. Development licences will be renewed a minimum of two times, although in exceptional circumstances they may be renewed a maximum of four times.

Where a development licence has been issued, any new applicants seeking to trial the same resource or fishing gear will be able to apply directly for a development licence (rather than first obtaining a development permit). It is important to note that at any stage the NTFDOC may limit the number of participants in the development fishery. Thereafter, entry to the development fishery will be granted on a 'first come - first served' basis.

4.3 Managed Fishery

Where development licence holders meet all assigned performance criteria and milestones, and remain able to demonstrate to the NTFDOC and the Executive Director that the fishery is both ecologically and economically sustainable, the fishery in question may progress to a managed fishery. To assist in the final assessment of the development trials, Fisheries and the licence holder may update the background paper. At the discretion of the Executive Director, this paper may be released for public comment.

If the Executive Director endorses the progression of a development fishery to a managed fishery, Fisheries will initiate the necessary changes to the Fisheries Regulations. Fisheries may also prepare a management plan stipulating the administrative controls set for the new fishery subject to the

provisions of the *Fisheries Act* 1988. The managed fishery will be administered under the *Fisheries Act* 1988 and the Fisheries Regulations 1993.

If a development fishery does progress to a managed fishery, those who have previously held a development licence or permit in that fishery will generally be the first invited to the fishery. Additional licences in the managed fishery are likely to be distributed by way of open tender. **It is important to note that even if a person has a history of involvement in the development fishery, access to the managed fishery is not guaranteed.**

5 THE APPLICATION PROCESS

Persons wishing to apply for a development permit or licence must submit an application to the NTFDOC. Applications for development permits and licences consist of three components:

- An application form (see Appendix 3).
- A proposed exploratory program (see Appendix 4).
- A map of the intended fishing area (see Appendix 5).

The application form provides a brief summary of the proposed development trials, while the 'proposed exploratory program' provides a more detailed account. Both are reviewed during the assessment process, and it is essential that adequate information be provided. The length of the proposed exploratory program will depend on the nature of the proposed trials, but the applicant must provide information against each of the following:

1. Executive summary
2. Operational plan
3. Market analysis
4. Target and by-product species
5. By-catch species
6. Potential impacts or conflicts
7. Risk analysis
8. Financial assessment
9. Benefits
10. References

The information required above is explained in Appendix 4. A map to illustrate the intended fishing area is also provided in the appendices; however, a larger scale map or chart may be submitted if desired. Applications must be received by the Executive Officer to the NTFDOC by 10 January to be considered at the annual meeting in that year. Please refer to the inside cover for contact details. **Please note that incomplete applications will not be assessed by the NTFDOC.**

6 THE ASSESSMENT PROCESS

Only applications likely to enhance individual and community well-being, while providing adequate protection of biological diversity and ecological processes, are likely to be endorsed by the NTFDOC and approved by the Executive Director of Fisheries. In reviewing any application, both parties must take into consideration the potential of the trials to meet the nationally agreed principles of ecologically sustainable development.

The key principles of ecologically sustainable development include:

- Enhancing individual and community well-being and welfare by following a path of economic development that safeguards the welfare of future generations.
- Providing for equity within and between generations.
- Protecting biological diversity and maintaining essential ecological processes.

The NTFDOC may invite applicants to attend part of their meeting to present any additional details regarding their proposed development trials, and may also invite other individuals with relevant

expertise. The Executive Director of Fisheries may also request a summary of any application be distributed for comment where there is the potential for the trials to impact on other stakeholders.

An applicant's name and personal details will remain confidential during the application assessment process, unless written consent is given to the Director to release such details. However, all other details may be made available to relevant persons/stakeholders throughout the assessment period.

Data collected during the period of a development permit/development licence will be made available to the Department of Primary Industry, Fisheries and Mines (DPIFM) for assessment of the viability and sustainability of the fishery and for statistical purposes in line with DPIFM's charter and legislative obligations.

As soon as a final decision on the application has been made, applicants will be informed in writing whether their application was approved or not. Applicants will then have 21 days from the issue of this letter to provide written agreement with the proposed permit or licence conditions, or make a submission regarding the terms of the offer. Upon receipt of the written confirmation, Fisheries will issue a development permit or development licence in the licensing year commencing 1 July.

7 ASSESSMENT FEES AND OTHER COSTS

Applications for a development permit or licence require the payment of an application fee. This fee partly covers the cost of the appraisal of the applications and the administration of the development fisheries. The application fee must be received by the Licensing Section of Fisheries before the application is reviewed. The fee may be paid by cash, money order or by cheque made out to the Receiver of Territory Monies.

Applicants should be aware that where the application is unsuccessful, or where the application does not result in the issue of a permit, no part of the fee will be refunded. However, where the application results in the issue of a development licence, the application fee will be used as part payment of the development licence fee. That is, the application fee will contribute towards the annual development licence fee. Please note that there is currently no annual fee for the issue of a development permit.

At any stage of the development trials, the NTFDOC or the Executive Director of Fisheries may request that development permit or licence holders contribute to any management, compliance or research costs. In particular, observer programs aim to be fully cost recovered. This will be determined on a case-by-case basis (for further information, please refer to Section 10).

If further research is to be undertaken whilst the fishery is in its development stage, the cost of such will be divided equally amongst the permit or licence holders in that fishery. If further resources are required, Fisheries will coordinate the identification of funding sources.

Please note that there is no recourse for repayment of invested funds if access to the development fishery is denied, or the development fishery does not proceed to a managed fishery.

8 DEVELOPMENT PERMIT AND LICENCE CONDITIONS

The NTFDOC and Fisheries regulate the development trials through conditions applied to each permit or licence. Conditions applied to development permits and licences may include restrictions on the type and amount of gear permitted, the time and place in which trials may occur, or limits on the target and bycatch species.

If deemed necessary, a maximum harvest level may be applied as a permit or licence condition. A precautionary approach is applied to the setting of the maximum harvest levels, and initial yields are

set at a low level so as not to present adverse impacts on the environment or other stakeholders. Generally, the total allowable catch is increased as more information on the sustainability of the fishing activity is gained.

If the conditions are breached, the operator and the holder of the development permit or licence may be prosecuted in accordance with the *Fisheries Act* 1988 and Fisheries Regulations 1993. In accordance with Sections 11 and 17 of the Act, the Executive Director of Fisheries has the right to change the conditions of a permit or licence, and also has the right to revoke a permit or licence if circumstances warrant. In such cases, the holder of the development permit or licence will be notified. A person aggrieved by a decision made by the Executive Director may appeal under Section 50 of the Act.

Please note that it is a standard condition of all development permits and licences that they shall not be transferred (that is, development permits and licences may not be sold or leased). Transferability of licences will not be introduced, if at all, until after a development fishery has progressed to a managed fishery and issues such as the long-term viability and sustainability of the fishery have been established. Development permit or licence holders may nominate another person to operate their permit/licence. Strict conditions apply in this instance.

9 PERFORMANCE CRITERIA AND MILESTONES

Performance criteria and milestones are applied to all development permits and licences. Performance criteria may include a minimum amount of fishing effort or catch to demonstrate the development of the trials. Milestones may include progress reports produced every three, six or 12 months as requested by the NTFDOC.

Should the holder of a development permit or licence face difficulties in meeting the renewal criteria or milestones, he or she should write to the Executive Officer to the NTFDOC to arrange for mutually agreed outcomes before the end of the licensing year in question. If these criteria or milestones are not met, the permit or licence will generally not be reissued; however, if exceptional circumstances prevail, these will be considered by the NTFDOC.

10 RESEARCH

The NTFDOC or the Executive Director of Fisheries may request that independent observer reports are produced, detailing the methods and catch of any development trial. Generally, the observer trips and report writing will be conducted by Fisheries staff. Copies of the observer reports will be made available to the permit or licence holder, along with any photographic or video images. This information remains the property of Fisheries, and at the discretion of the Executive Director of Fisheries, may be released to a third party, provided that personal details are withheld.

If at any stage the NTFDOC or the Executive Director require more information about any proposed or current development trial, research may be undertaken to enhance knowledge of the harvested stock or fishing environment. Applicants should be aware that it is likely that some form of research will be necessary before the development fishery progresses to a managed fishery.

Monthly logbook reporting of the development trial details is a standard requirement of all permits and licences. Logbooks must be submitted to the Fisheries Logbook Section within 28 days of the end of the month. Logbook sheets are specifically designed for each development fishery, and training in the reporting requirements is provided upon the issue of the permit or licence.

Information collected in the logbook returns is protected under Section 34 of the *Fisheries Act* 1988. Individual details remain confidential, and only aggregated information (from five or more fishers) may be released.

APPENDIX 1: NTFDOC CHARTER

The NTFDOC was established for the purpose of advising the Executive Director of Fisheries on matters relating to development fisheries. These matters include:

1. Determining the priorities for development opportunities for sustainable utilisation of aquatic resources within the Northern Territory.
2. Advising the Executive Director of Fisheries on matters relating to the renewal, granting or non-granting of development permits and licences.
3. Providing advice to the Executive Director of Fisheries on individual development fishery applications as needed.
4. Undertaking regular reviews of the 'Policy for the Appraisal and Administration of Northern Territory Development Fishery Applications'.
5. Providing advice on changes to the *Fisheries Act* 1988 or the Fisheries Regulations 1993 in relation to the development fisheries.
6. Developing policies for the consideration of the Executive Director of Fisheries in respect to development fishery opportunities.

Membership

Appointment as a member to the NTFDOC brings with it a range of important responsibilities including the requirement to act in the best interests of the resource rather than as an advocate for any particular organisation or interest group. The Chair and Members are appointed by the Minister for Fisheries on the advice of the Executive Director of Fisheries. Members must not pursue personal agendas or self-interest, but participate in discussions and offer advice in an objective and impartial manner.

Members

- Chair
- Fisheries Member
- Executive Officer
- Commercial Fishing Sector Member
- Indigenous Fishing Sector Member
- Recreational Fishing Sector Member

Members' terms of appointment

Members may be appointed for a period of up to three years and may be re-appointed at the expiry of their terms. Members are to notify the Minister for Fisheries and the Chair, should they experience a change in stakeholder affiliation and/or should a conflict of interest arise with their membership.

Chair's terms of appointment

On the advice of the Executive Director of Fisheries, the Minister for Fisheries may appoint an independent Chair with no specific industry or Government affiliations and of good standing in the community. The Chair is to notify the Executive Director of Fisheries and the Minister for Fisheries, should independence be, or potentially become, compromised.

Notification of appointment or resignation

Notification of appointment to be by formal correspondence by the Minister for Fisheries. Resignation is to be in writing to the Minister for Fisheries. On acceptance of a resignation, a call for an expression of interest for a new appointment may be conducted.

Termination of appointment

Appointment to the NTFDOC may be terminated if the Minister for Fisheries determines that the Chair or any Member fails to maintain the confidence of his/her stakeholders, pursues personal agendas or acts in self-interest - that is, offers advice in other than an objective or impartial manner. The Minister for Fisheries may also terminate the appointment of the Chair, if the Chair fails to maintain independence.

Proxy

A Member may nominate a proxy to attend an NTFDOC meeting. All such nominations are to be made in writing to the NTFDOC Chair for consideration at least five days prior to that meeting date.

Functions and Responsibilities of the Independent Chair

1. Chair meetings of the NTFDOC ensuring that all stakeholders are consulted and their views recorded.
2. Ensure that recommendations and resolutions from the NTFDOC are promptly communicated to the Minister for Fisheries and the Executive Director of Fisheries (as appropriate) and that members of the Committee and key stakeholder groups are advised without delay of any outcomes from these recommendations and resolutions.
3. Convene out-of-session meetings of the Committee, as agreed between the Executive Director of Fisheries and the Chair, to address and consider any significant new or modified fisheries development proposal.
4. Provide briefing to the Minister for Fisheries and the Executive Director of Fisheries on development proposals, as appropriate.

Functions and Responsibilities of the Executive Officer

Fisheries will provide an Executive Officer to support the Committee. Fisheries will coordinate the daily administration of development fisheries and will:

1. Provide all services necessary for the smooth running of meetings, including:
 - advising Members of meeting arrangements;
 - calling for agenda items and preparing draft agendas;
 - taking and circulating minutes of meetings; and
 - arranging for the payment of expenses associated with the Committee.
2. Circulating out-of-session items and coordinating members' responses.

Observers to an NTFDOC Meeting

Executive Officers, or persons of similar positions of appropriate representative organisations may seek appointment, by the Chair, as observers to an NTFDOC meeting. Such appointments are to be by way of position title rather than a natural person.

Where appropriate, people with special expertise may be approved by the Executive Director of Fisheries and invited by the Chair to attend an NTFDOC meeting on an as needed, with all guests to be afforded observer status.

Observers are not permitted to address the meeting unless through the direction of the Chair or association representative Members.

Funding/Remuneration

The Department of Primary Industry, Fisheries and Mines will fund all reasonable meeting costs including Chair remunerations, secretarial service, meeting venue and associated facilities. No compensation or travel costs will be paid to Members, unless agreed by the Executive Director of Fisheries.

APPENDIX 2: CURRENT POLICIES FOR EACH DEVELOPMENT FISHERY

Please note that these policies are subject to change as new information is made available.

1. TRIALS RELATING TO PARTICULAR SPECIES (presented in alphabetical order)

Blue swimmer crab

Development permits may be issued to trial the harvest of blue swimmer crabs.

Coral

No development permits may be issued to trial the harvest of coral. Please note, the harvest of corals is managed under the Aquarium Fishing/Display Fishery.

Deepwater crab (other than blue swimmers and mud crabs)

Development permits may be issued to trial the harvest of deepwater crab.

Freshwater crustaceans and fish

No development permits may be issued to trial the harvest of freshwater crustaceans or fish.

Jellyfish

Development permits may be issued to trial the harvest of jellyfish.

Molluscs (e.g. mussels, oysters, etc)

No development permits may be issued to trial the harvest of molluscs. Please note, the harvest of molluscs is managed under the Mollusc Fishery.

Octopus

One development permit may be issued to trial the harvest of octopus. A maximum number of 5000 traps may be utilised in areas outside of the Finfish Trawl Fishery and the Northern Prawn Fishery during its fishing season.

Sea cucumbers

Two development permits may be issued to trial the harvest of sea cucumbers from waters outside of the existing Trepang Fishery.

Shells with no living animals in them

No development permits may be issued to trial the harvest of shells with no living animals in them.

Small pelagic fish and squid

One development permit may be issued to trial the use of small purse seine nets to harvest squid and small pelagic fish.

Sponge

Development permits may be issued to trial the harvest of sponges.

Tropical rock lobster

Persons applying for a development permit to trial the harvest of tropical rock lobsters must demonstrate in their applications why their trials may succeed where others have failed. If renewal criteria are not achieved, permits will not be renewed unless convincing reasons are provided otherwise.

2. TRIALS RELATING TO FISHING GEAR (presented in alphabetical order)

Deepwater longline or trotline gear

Two development permits may be issued to trial the harvest of tropical snappers using longlines or trotlines. Applicants for these permits must possess a Demersal Fishery licence. A maximum number of 10 000 hooks and 2 km of mainline may be used. Fisheries operations may be conducted in the area of the Demersal Fishery, but east of longitude 134°. Goldband snapper catch may not exceed 10% of the total finfish catch. No shark may be taken.

Fish trawl gear trials

No development permits should be issued to trial the use of fish trawl gear.

Lift net gear

Two development permits to trial the use of lift net gear to target squid and small pelagic fish may be issued.

APPENDIX 3: APPLICATION FORM FOR A DEVELOPMENT PERMIT OR LICENCE

APPLICATION FOR A DEVELOPMENT PERMIT OR DEVELOPMENT LICENCE UNDER THE *NORTHERN TERRITORY FISHERIES ACT*

1. Are you applying for a development permit: Yes No ;
or a development licence: Yes No
-

2. Details of the person, partnership or company applying for the development permit or licence.

This section refers to the business and/or person who will be responsible for the permit or licence.

Full name of individual, partnership or company:

If partnership or company, name of contact person:

Address of residence or business:

Postal address:

Telephone: (W) (H) (M)

Fax: Email:

3. Details of the person who will operate the development permit or licence.

This section refers to the person who will be responsible for the day-to-day operation of the permit or licence.

Full name:

Date of Birth: Male Female

Residential address:

Postal address:

Telephone: (W) (H) (M)

Fax: Email:

4. Details of the proposed development trials

- a) Describe the exploratory fishery activity that you wish to carry out.

Please provide a brief overview of the proposed trials

- b) List and briefly describe the fishing gear to be used.

Please describe the fishing gear (e.g. design, construction material, dimensions, etc). You may attach diagrams.

- c) Do you intend to use a vessel? Yes No

If yes, provide registration number, name and length of vessel:

- d) Detail the boundaries of your intended area of operation.

This information should define the boundaries of the area you wish to conduct the trials.

5. Details of the target, by-product and by-catch species

- a) **List the target species of aquatic life, and the amounts or numbers of each you intend to harvest.**

This section refers to the species that you would target during the development trials.

- b) **List the by-product species, and the amounts or numbers of each, that you intend to harvest.**

This section refers to the species that may be retained as incidental catches.

- c) **List the by-catch species that may be taken during the trials.**

This section refers to the species that may be caught by the proposed trials, but would be released.

- d) **How do you intend to dispose of this by-catch? (i.e. will it be sold, used as bait, thrown back, etc).**

- e) **Will any fish or aquatic life taken under this permit or licence be provided to another institution or person? Yes No**

If yes, which institution or person?

Define the period you require the development permit or licence.

From .../.../..... to .../.../.....

Please note that the maximum duration of each development permit or licence is 12 months.

Signature of Applicant: **Date:**

	OFFICE USE ONLY	
Research Assessment	Management Assessment	

Approved/Not Approved: **Date:**
(Director of Fisheries or Delegate)

Permit Number

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APPENDIX 4: GUIDE TO THE PRODUCTION OF A PROPOSED EXPLORATORY PROGRAM

1. Executive summary

Provide an overview of the intended development trials by highlighting the main points of the application.

2. Operational plan

Describe all operational aspects of the proposed development trials.

You should describe the:

- Fishing gear (i.e. type of gear, dimensions, number of devices, etc).
- Fishing method (i.e. number of sets per day, duration of sets/fishing time, etc).
- Time of operation (i.e. season to be fished, length of fishing trips, etc).
- Vessel (i.e. size of vessel, details of specialised equipment, etc).
- Intended area of fishing (i.e. general location, depth, habitat, etc).
- Post harvest methods (i.e. quality control procedures, packaging etc).

3. Market analysis

Describe the intended marketing process for the product of the development trials.

You should:

- Describe how you intend to market the product.
- Provide a summary of potential customers and competitors.
- Discuss the past and predicted trends in the market.

4. Target and by-product species

Provide details of the target and by-product species (i.e. the species to be retained).

You should:

- List each of the target and by-product species that may be caught.
- Describe the size range that may be caught for each species.
- Provide an estimate of the quantity that may be caught for each species.
- Provide biological information on each species that may be harvested.

5. By-catch species

Provide details of the by-catch species (i.e. the species to be released).

You should:

- List each of the by-catch species that may be caught during the proposed trials.
- Describe the size range that may be caught for each species.
- Provide an estimate of the quantity of each species that may be caught.
- Describe how you intend to release the by-catch species, and indicate the percentage of each that is likely to survive.

6. Potential impacts or conflicts

Describe the potential impacts on the environment and areas of potential conflict with other stakeholders.

You should:

- List and describe each potential impact and potential area of conflict.
- Describe how you intend to manage each potential impact and conflict.
- Describe any consultation you will undertake with other stakeholders.

7. Risk analysis

Provide details on possible risks to the development of the fishery as well as to the business venture.

You should:

- List potential operational, marketing, financial risks.
- Describe the potential impact of each risk.
- Describe how you intend to manage each potential risk.

8. Financial assessment

Provide a summary of your financial assessment of the development trials.

You should provide a:

- Start-up projection (details of commencement needs).
- Profit and loss statement (i.e. estimated costs and revenue).
- Break-even analysis (i.e. estimation of when the business will return a profit).

9. Benefits

Describe the benefits to the community of the proposed development trials.

You should list and describe:

- Direct benefits.
- Flow-on benefits.
- Improvements in our knowledge of the resource and/or the new fishing apparatus (if appropriate).
- Improvements in the use of aquatic resources.

10. References

List all references cited in your proposed exploratory program. Please use a clear and consistent method of citing and referencing your text.

For example:

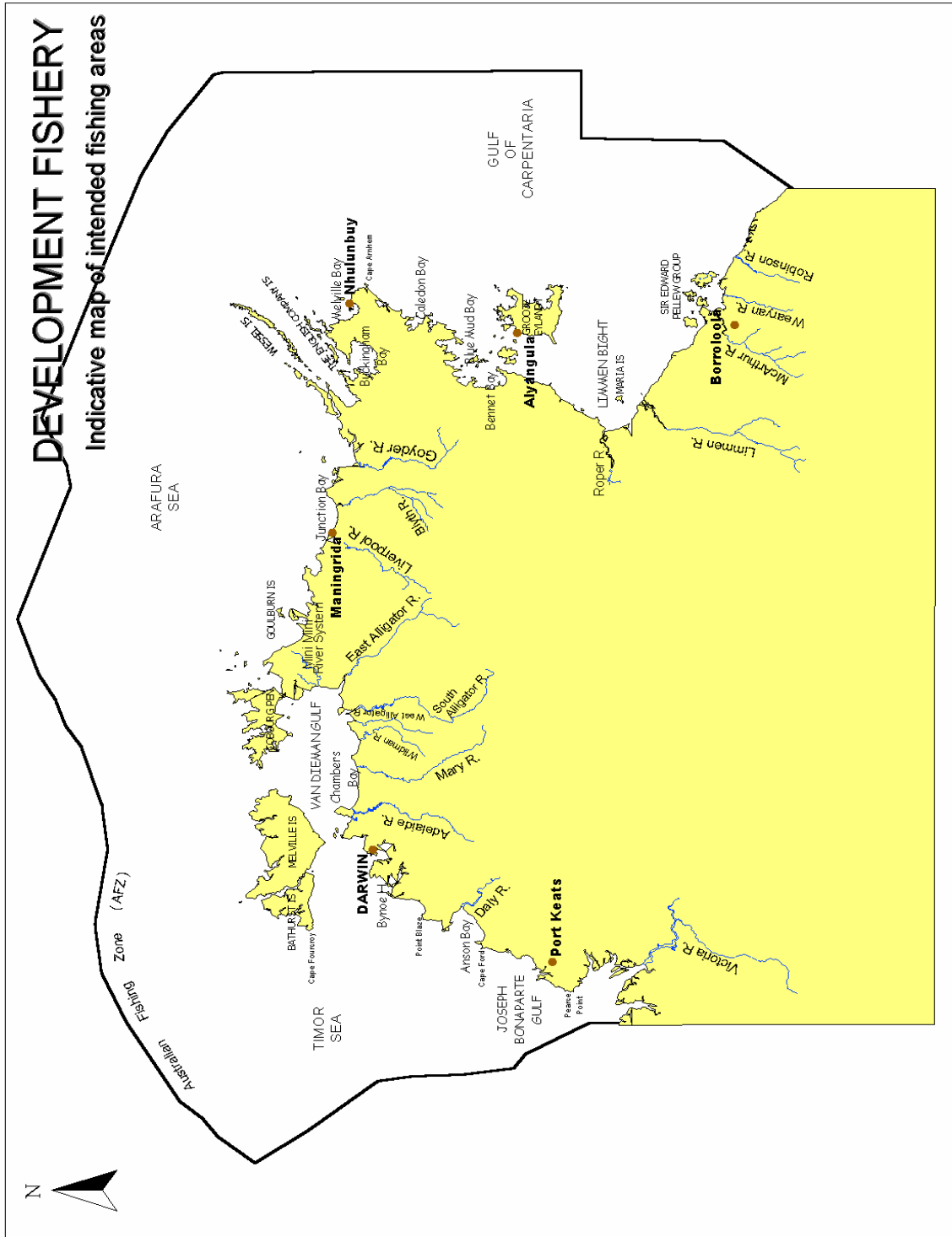
Smith, T.C. 2003. Methods for Development Fisheries. *Journal of Development Fisheries*. Vol. 48. Pages 11-23.

Willis, R.A., Tims, E.A. and Barrow T.M. 2004. Development Fisheries Methods. In: Jones R.S (Editor). Complete Book of Development Fisheries. Blacksmith Publishers, Darwin. Pages 205-230.

Within your text, these should be cited as (Smith 2003) and (Willis et al. 2004).

APPENDIX 5: MAP OF THE INTENDED FISHING AREA

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