

2015



Guide to the authorisation requirements for aquaculture in South Africa



agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Department of
Agriculture, Forestry
and Fisheries

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Acronyms and Abbreviations

CITES	Convention on the International Trade in Endangered Species
DAFF	Department of Agriculture, Forestry and Fisheries
DEA	Department of Environmental Affairs
DWA	Department of Water Affairs
EAP	Environmental Assessment Practitioner
EIA	Environmental Impact Assessment
EMP	Environmental Management Programme
FPE	Fish Processing Establishment
ITAC	International Trade and Administration Commission
MLRA	Marine Living Resources Act, 1998 (Act No. 18 of 1998)
NEMA	National Environmental Management Act
NEM: BA	National Environmental Management: Biodiversity Act

1. INTRODUCTION

1.1 Defining aquaculture in South Africa

Aquaculture is the farming of aquatic organisms, including fish, molluscs, crustaceans, seaweeds and invertebrates in a controlled or selected aquatic environment for all or part of their lifecycle. Typical means of enhancing production include good animal husbandry selective breeding programmes, feeding, regular stocking, grading and protection from predators. As with agricultural practices, aquaculture also implies individual or corporate ownership of the stock under cultivation. Aquaculture represents a sector with the potential to make a significant contribution towards the economy of our country through the creation of skills based employment and the selling of products on local or foreign markets.

The marine aquaculture sector in South Africa comprises mainly finfish, shellfish and seaweed culture, including mainly indigenous species in commercial production such as Abalone (*Haliotis midae*), Dusky kob (*Argyrosomus japonicus*), Silver Kob (*Argyrosomus inodorus*), Yellowtail (*Seriola lalandi*) and alien species such as the Mediterranean Mussel (*Mytilus galloprovincialis*) and Pacific Oyster (*Crassostrea gigas*), as well as indigenous seaweed (*Ulva*, *Gracilaria* and *Porphyra*) species used as a feed supplement in abalone farming. A number of marine species are also being researched as potential aquaculture species, including but not limited to the White Stumpnose (*Rhabdosargus globiceps*), River Snapper (*Lutjanus argentimaculatus*), Yellowbelly Rockcod (*Epinephelus marginatus*), Sea Cucumber (*Holothuria scabra*), Sea Urchin (*Tripneustes gratilla*) and Scallop (*Pecten sulcicostatus*).

The marine aquaculture sector also includes marine ornamentals, which is practiced both on a hobbyist and commercial scale. Currently the sector is sub-divided into three components, namely the small scale hobbyist breeding marine ornamentals for recreational purposes; a marine ornamental supplier importing for sale to local pet stores and the commercial marine ornamental operation producing marine ornamentals for sale on the local and international market.

Freshwater aquaculture in South Africa includes a vast array of mainly alien species ranging from Tilapia (*Oreochromis mossambicus* and *Oreochromis niloticus*), Sharptooth Catfish (*Clarias gariepinus*), Rainbow Trout (*Oncorhynchus mykiss*), Brown Trout (*Salmo trutta*), Ornamental Koi and Common Carp (*Ciprinus carpio*), and Marron (freshwater crayfish) (*Cherax tenuimanus*) forming the bulk of commercial production. Both sectors utilize extensive (e.g. earth ponds, rafts, long lines and sea cages) as well as intensive recirculating or flow through pump ashore systems, particularly in the marine aquaculture sector. The choice of aquaculture species is dependent on the market availability, site selection and available technology

1.2 Objectives of this guideline

The main objectives of this guideline are as follows:

- a) To assist new entrants and existing operators wishing to expand, by providing a user - friendly information source on the types of permits and authorization requirements to undertake marine and freshwater aquaculture activities in South Africa.
- b) To provide new entrants and existing operators with relevant contact details and information sources.

1.3 Legislative mandates

This guideline provides an information source regarding the authorisation requirements applicable to undertake an aquaculture activity in South Africa. It is not a legislative review and has no legal standing, but provides guidance to the legal frameworks, which are legally binding towards the protection and responsible use of our environment. The following South African legislation is of importance and can be used as additional information sources on the legal requirements in support of this guideline, but is not limited to the following:

- The Marine Living Resources Act, 1998 (Act No. 18 of 1998)
- The Animal Diseases Act, 1984 (Act 35 of 1984)
- Integrated Coastal Management Act, 2008 (No. 24 of 2008) (ICM Act)
(An electronic version of the ICM Act, the User Friendly Guide to the Act and other relevant documentation is available for download on the DEA website, www.environment.gov.za.)
- The National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA)
- The National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) (NEM: BA)
- The National Environmental Management: Protected Areas Act, 2003 (Act No. 10 of 2003)
- The National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008)
- The National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008)
- The Sea Birds and Seals Protection Act, 1973 (Act No. 46 of 1973)
- Seashore Act, 1935 (Act No. 21 of 1935)
- The Genetically Modified Organisms Act, 1997 (Act No. 15 of 1997)
- The Health Act, 1977 (Act No. 63 of 1977)
- The National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008)
- The Standards Act, 2008 (Act No. 8 of 2008)

- The Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act No. 54 of 1972)
- The Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947)
- The Medicines and Related Substances Act, 1965 (Act No. 101 of 1965)
- The Animal Health Act, 2002 (Act No. 7 of 2002)
- The National Water Act, 1998 (Act No. 36 of 1998)
- The National Heritage Resources Act, 1999 (Act No. 25 of 1999)
- Land Use Planning Ordinance, 1985 (Ordinance 15 of 1985)

This Ordinance is applicable to the zoning of land for any particular use.

- The Cape Nature and Environmental Conservation Ordinance, 14 of 1974
 This Ordinance is applicable in the Western, Eastern and Northern Cape as well as parts of the North West Province. It imposes a permitting requirement in respect of the sale or purchase of specific species of fish like endangered wild fish, live carp, bluegill, sunfish, trout, black bass, banded tilapia or exotic invertebrate freshwater fauna.
- The Transvaal Nature Conservation Ordinance, 12 of 1983
 This Ordinance is applicable in Gauteng, Mpumalanga and parts of the North West Province. It imposes permitting requirements in relation to Trout and the building of trout dams.

2. MARINE AQUACULTURE AUTHORISATION REQUIREMENTS AND REGULATIONS

2.1 Marine aquaculture rights, exemptions and permits

A “right to engage in marine aquaculture” is required by the Department of Agriculture, Forestry and Fisheries (DAFF) when undertaking any commercial marine aquaculture activity, in terms of section 18 of the Marine Living Resources Act, 1998 (Act No. 18 of 1998) (MLRA). An Exemption is granted in terms of section 81 of MLRA if in the opinion of the Minister there are sound reasons for doing so e.g. in the absence of a rights allocation process. No person shall exercise any right granted in terms of section 18 of MLRA or perform any such activity without a valid permit granted in terms of section 13 of MLRA.

There are various types of marine aquaculture permits, which are subject to conditions approved by the Minister, where applicable:

- Permit to engage in marine aquaculture activity
- Permit to collect brood stock for marine aquaculture purposes
- Permit to possess brood stock and operate a hatchery
- Permit to transport marine aquaculture product(s)
- Permit to process marine aquaculture product(s)
- Permit to access dive ban areas
- Permit to possess and sell undersized cultured abalone obtained from a Right Holder
- Permit to possess and sell undersized cultured kob species obtained from a Right Holder
- Permit for marine aquaculture scientific investigations and practical experiments
- Permit to collect brood stock for marine aquaculture scientific investigations and practical experiments
- Permit to import marine aquaculture fish and fish product(s)
- Permit to import marine ornamentals (e.g. ornamental fish and corals)
- Permit to export marine aquaculture fish and fish product(s)

A “right to engage in marine aquaculture” is valid for 15 years and all marine aquaculture permits with the exception of import permits are renewable on an annual basis. Import permits are valid for 6 months and thus renewed every 6 months. A “blanket” Exemption is currently implemented by the DAFF for the sale of undersized cultured abalone and kob products. A non-Right Holder (e.g. retailer or restaurant) is required to be in possession of a permit from the DAFF to be in possession of and sell any undersized cultured product (e.g. kob (*Argyrosomus* species) and abalone) obtained from a Right Holder. There are traceability protocols implemented by the DAFF for compliance purposes, which should be complied with by retailers and restaurants in possession of permits for the sale of

undersized cultured kob and abalone (See Figure 1. below), in terms of regulations applicable to MLRA.

An Exemption and permit is applied for through the DAFF to operate a Fish Processing Establishment (FPE) and process marine aquaculture product(s), which would either be on site (i.e. marine aquaculture establishment) or located elsewhere. An import permit is required for the import of any live or processed marine aquaculture product(s). Any entity that would like to export a marine aquaculture product should have a supplier agreement in place with the Right Holder and apply for the necessary export permit and transport permit.

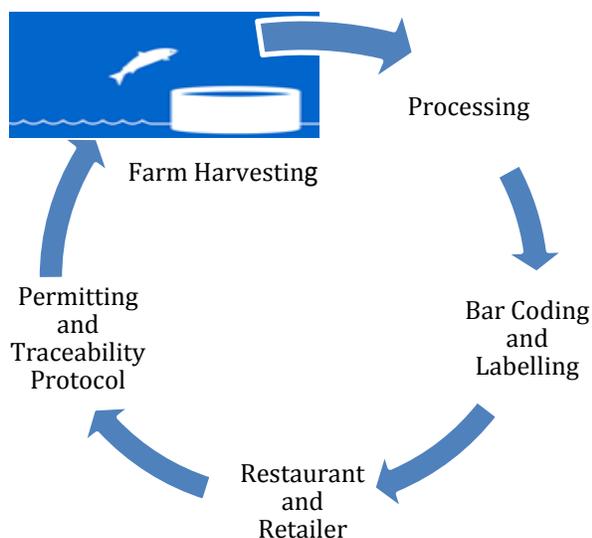


Figure 1. Illustration showing traceability of undersized farmed product to the consumer to minimize conflict with wild caught fish products sold on the local market.

A permit for scientific investigations and practical experiments is required to undertake any marine aquaculture or related research activity, which can be applied for through an academic institution or private company e.g. investigation into spawning and larval rearing trials with a new marine aquaculture species or conducting growth trials on a new marine aquaculture species. The DAFF currently does not legislate any pilot scale operations; as a result a marine aquaculture activity may either be experimental or commercial.

2.2 Requirements and process on applying for a marine aquaculture right

All requirements for a “right to engage in marine aquaculture” should be met prior to submission of an application, which will be assessed as per the “Assessment Criteria for New Applications” Notice 313 of 2009 (Government Gazette, No. 32043, 27 March 2009). All marine aquaculture right applications are lodged with the DAFF and assessed by the Marine Aquaculture Working Group (MAWG), which grants pre – approval to the Minister or the Delegated Authority (See Figure 2. below). The following requirements will be subject to an application for a “right to engage in marine aquaculture”:

a) Application Form

An application form for a “right to engage in marine aquaculture” should be completed and can be obtained from the Department of Agriculture, Forestry and Fisheries (DAFF), Branch: Fisheries, Customer Service Centre (CSC), Ground floor, Foretrust Building, Martin Hammerschlag Way, Foreshore, 8001, Tel. (021) 402 3180, Fax. (021) 402 3362, e-mail Zimasa@daff.gov.za and website www.daff.gov.za.

b) Company Registration and Identification Document(s)

Aquaculture is a commercial activity and therefore involves trading and operation of a business. All applicants will be required to register their business as a Partnership, Sole Proprietor, Company, Non-Profit Organisation (Section 21 Company), or Co-operative. True certified copies of all registration documents and identification documents of the applicant should accompany the application form.

c) Approval from the Local Authority

All land based activities need approval from the local authority (e.g. Municipality). This approval does not however exempt the applicant from undergoing a thorough Public Participation Process (PPP), which will ensure that all Interested and Affected Parties (I&AP) are informed and well aware of the activities around them. The approval should be put in writing and submitted with the application.

d) Land Use Planning and Access

This step consists of ensuring that the land assigned for a proposed aquaculture activity is rightfully owned by the applicant or that the applicant obtains consent for the use of the land, ensuring that the land use planning for a proposed aquaculture activity is in place or that it is in the process of being addressed. These land use planning aspects include:

- i) Ensuring that the land is correctly zoned as an agriculture zone area and it is zoned as sustainable for aquaculture or that an application for rezoning has been lodged with the applicable local authority
- ii) Ensuring that the intended aquaculture activities are in compliance with the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).

The applicant should identify an appropriate site zoned for aquaculture, agriculture or industrial use. In the case where a site is not zoned specifically for the above, an application for re-zoning will have to be submitted to the relevant authority.

Table 1. The following relevant offices can be contacted for further information and enquiries on land use planning and access:

Province	Contact Person	Department	Contact Details
Eastern Cape	Peliwe Njemla-Mntukatandwa	Department of Rural development and Land Reform	Tel. 043 700 7073 e-mail PNjemla@drdlr.gov.za
KwaZulu Natal	Thabile Mzila	Department of Rural development and Land Reform	Tel. 033 355 4356 e-mail Thabile.Mzila@drdlr.gov.za
Mpumalanga	Ndodana	Department of Rural	Tel. 013 754 8071

	Khumalo	development and Land Reform	e-mail Ndodana.Khumalo@drdlr.gov.za
Northern Cape	Kgalalelo Marintlhwane	Department of Rural development and Land Reform	Tel. 053 830 4045 e-mail Kgalalelo.Marintlhwane@drdlr.gov.za
North West	David Mashiloane	Department of Rural development and Land Reform	Tel. 018 3977 609 e-mail Therekele.Mashiloane@drdlr.gov.za
Western Cape	Jug Fhaizer	Department of Rural development and Land Reform	Tel. 021 409 0335 e-mail Jug.Fhaizer@drdlr.gov.za

e) Valid Lease Agreement or Title Deed

Depending on the ownership of the identified site, a valid lease agreement or a Title Deed will have to be obtained by the applicant, and should be submitted with the application form.

All applications for lease of sea space (outside of Transnet Port jurisdiction), pipelines below the High Water Mark (HWM) and coastal public property (CPP) should be lodged with the Department of Environmental Affairs (DEA). As the lead agency for coastal leases and concessions, the Department of Environmental Affairs (DEA) is the relevant department to submit this application, which may be initiated as a formal letter of request. For further queries concerning the relevant sections of the ICM Act you may contact the DEA, Directorate: Integrated Coastal Management Oceans and Coasts, Ryan Peter, Tel. (021) 819 2490 and e-mail jpeter@environment.gov.za. For further enquiries on lease agreements for sea space (inside the Transnet Port jurisdiction) you may contact Transnet National Ports Authority, Marita du Plessis, Tel. (022) 703 5445 and e-mail marita.duplessis@transnet.net. All applications for lease of state land and/or pipelines crossing state land will require a lease agreement from the Department of Public Works, Suzy Valentine, Tel. (021) 402 2157 and email suzy.valentine@dpw.gov.za.

f) Coastal Waters Discharge Permit/ General Authorisation

The Department of Environmental Affairs (DEA) is responsible for regulating the disposal of waste water into the marine environment (including estuaries). The discharge of effluent from land based sources into the marine environment (including estuaries) will require a Coastal Waters Discharge Permit or General Authorisation in terms of section 69 of the Integrated Coastal Management Act (No. 24 of 2008) (ICM Act), which came into effect on 1 December 2009. Stakeholders with authorisations that have already expired under the National Water Act are advised to make application to the Department immediately. The DEA is finalising a standard Coastal Waters Discharge Permit application form, with accompanying guidelines, and it is advised that stakeholders contact the relevant Department to initiate the application process. Stakeholders are encouraged to include any additional information deemed relevant to their application.

For further queries you may contact the DEA, Directorate: Coastal Pollution Management, Tel. (021) 819 2452 or (021) 819 2455 and e-mail marinepollution@environment.gov.za.

g) Site Map and Business Plan

A map (e.g. aerial, topographical) should be provided with GPS boundary co-ordinates of the site and location of the proposed operation, which can be obtained from the site owner or relevant authority. Any potential sources of pollution, intake and outlet pipelines should be indicated on the site map.

The applicant is required to submit a comprehensive business plan, including the following information with supporting documentation, where applicable:

- Company profile and shareholding structure (N.B. A certificate for Broad Based Black Economic Empowerment (BBBEE) should be provided as proof of the transformation status of the company, if applicable.).
- Species and product category to be farmed e.g. shellfish, finfish, crustaceans, seaweeds etc. in a mono or polyculture system.
- The proposed production of the proposed species per annum, including in the hatchery, nursery and grow out (where applicable).
- A detailed description of operation and maintenance plan, including but not limited to:
 - i) Description of the system design and technology
 - ii) Animal husbandry techniques
 - iii) Feed (i.e. artificial or natural e.g. seaweed) (if applicable)
 - iv) Effluent discharge and water treatment methods (if applicable)
 - v) Biosecurity and animal health management (N.B. a written agreement with a suitably qualified animal health service provider (e.g. veterinarian) should be provided as proof in the implementation of a biosecurity and animal health monitoring programme, if applicable).The method of application and use of any kind of chemicals, antibiotics, disinfectants, fertilizers, therapeutants and anesthetics, that may be used or result from the operation should be listed.
- A marketing plan and strategy should be included and a SWOT (Strengths, Weakness, Opportunities and Threats) analysis for the proposed venture.
- A financial overview should be provided with a financial plan including projections for start-up capital, expenditure, income, cash flow and financial indicators over a minimum two year period.
- Training facilities and employment opportunities that will be created should be highlighted in the business plan.
- Information on how the facility will minimize and prevent potential negative environmental impacts.

For further queries and assistance in reviewing your business plan, please contact the Department of Agriculture, Forestry and Fisheries (DAFF), Directorate Aquaculture Technical Services (ATS), Karabo Bopape, Tel. (012) 319 7457 and e-mail KaraboB@daff.gov.za.

h) Traceability Protocol

A traceability protocol is required for the local sale of cultured undersized or protected indigenous marine species in terms of regulations applicable to “the Act”. This involves appropriate traceability from the farm to the market. Traceability is also important for ensuring food safety in case contaminated products are sold on the market and a mechanism is required to recall the products. The DAFF has developed generic compliance traceability protocols implemented for the sale of undersized culture abalone and kob products sold on the local market. If there is no generic traceability protocol in place, a proposal for a traceability protocol can be submitted by the applicant for approval by the DAFF.

i) Environmental Impact Assessment (EIA)

The requirement for an environmental authorization in some cases is based on the projected production level of the aquaculture farm. This step consists of ensuring that the necessary services and infrastructure (electricity, water, roads, sewerage etc.) are available at the required capacities, or that an application has been made for the service to the applicable service providers or local authorities to ensure that whatever activity is carried out is within acceptable environmental thresholds.

The Minister of Environmental Affairs published regulations that list activities which require a Basic Assessment or scoping and environmental impact reporting. These regulations were published on 18 June 2010 and amended on the 8th December 2014. Environmental authorisation may be required before the establishment of an aquaculture operation as certain activities are listed under the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), Environmental Impact Assessment (EIA) regulations (GN R982) and accompanying listing notices 1 (R983), 2 (R984), and 3 (R985). Authorisation of aquaculture projects based on production capacity requires a basic assessment unless there are activities which are triggered under listing notice 2 or 3. It is the applicant’s responsibility to appoint an independent and suitably qualified Environment Assessment Practitioner (EAP) as required for the completion of the environmental authorisation process. The applicant should ensure that the appointed EAP is qualified for conducting the required Environmental Impact Assessment (EIA) and environmental authorisation process. It is the responsibility of the applicant to provide the authorized Department with access to all information at their disposal, regarding the proposed activities and the application for environmental authorisation. The applicant is responsible for all costs of the environmental authorisation process. Proof of an environmental authorisation should be submitted with the application. If the applicant is advised that an environmental authorisation is required, they should register the DAFF as an interested and affected party (I&AP) and should forward all environmental impact reports for comments to the Department of Agriculture Forestry and Fisheries (DAFF), Directorate: Sustainable Aquaculture

Management (SAM), Fatima Daya, Tel. (021) 430 7006, Fax. (021) 434 2899 and email FatimaS@daff.gov.za.

Table 2. The following relevant offices can be contacted for further information and enquiries on EIA regulations

Province	Department	Contact Person	Contact Details
Eastern Cape	Department of Economic Development, Environmental Affairs	Jeff Govender	Tel. (041) 508 5811 e-mail Dayalan.Govendor@dedea.gov.za
Pretoria	Department of Environmental Affairs	Frans Scheepers	Tel. (012) 399 9285 e-mail Fscheepers@environment.gov.za
	Department of Environmental Affairs	Takalani Nemarude	Tel. (021) 399 9327 e-mail tnemarude@environment.gov.za
Gauteng	Department of Environmental Affairs (National)	Simon Moganetsi	Tel. (012) 399 9309 e-mail Smoganetsi@environment.gov.za
KwaZulu Natal	Department of Economic Development and Tourism	Malcolm Moses	Tel. (032) 437 7527 e-mail Malcom.Moses@kznedtea.gov.za
Limpopo	Department of Economic development, Environment and Tourism	Victor Mongwe	Tel. (015) 290 7090 e-mail MongweV@ledet.gov.za
Western Cape	Department of Environmental Affairs and Development Planning	Zaahir Toefy	Tel. (021) 483 2700 e-mail Zaahir.Toefy@westerncape.gov.za
Free State	Department of Economic development, Tourism and Environmental Affairs	Grace Mkhosana	Tel. (051) 400 4812 e-mail Mkhosana@detea.fs.gov.za
Northern Cape	Department of Environment and Nature Conservation	Onwabile Zumo	Tel. (027) 718 8804 e-mail onyndzumo@gmail.com
North West	Department of Rural, Environment and Agricultural	Portia Krisjan	Tel. (018) 389 5995 e-mail P.Krisjan@nwpg.gov.za

	development		
Mpumalanga	Department of Economic Development, Tourism and Environmental affairs	Selby Hlatshwayo	Tel. (013) 759 4079 e-mail Shlatshwayo@mpg.gov.za

j) Environmental Management Programme (EMP)

In the case where an applicant is not required to conduct an Environmental Impact Assessment (EIA) and/ or exempted from obtaining environmental authorization, the applicant should submit written proof from the relevant authority. An Environmental Management Programme (EMP) should be submitted with the application if not included in the EIR, which should be conducted by an independent and suitably qualified Environmental Assessment Practitioner (EAP) at the cost of the applicant.

k) Threatened and Protected Species (TOPS) and Alien Invasive Species (AIS) regulations

The Minister of Environmental Affairs published regulations for Alien Invasive Species (AIS) in 2014, which stipulate the requirement for a risk assessment and permit in terms of the National Environmental Management: Biodiversity Act (NEM: BA), 2004 (Act No. 10 of 2004). These regulations are available online at www.environment.gov.za, further queries concerning the NEMBA (10/2004): AIS Regulations of 2014 you may contact the Department of Environmental Affairs (DEA), Directorate: Biosecurity Services, Livhuwani Nnzeru, Tel. (021) 441 2748 or 021 819 2605/2606/2574 and e-mail Lnnzeru@environment.gov.za or AISpermits@environment.gov.za. Restricted activities relevant to TOPS that may apply to the manner of farming in an aquaculture project include the possession, breeding and killing of a threatened or protected species. Such activities require a TOPS permit from the national Department of Environmental Affairs (for marine aquaculture species) and from the relevant provincial department (for other aquaculture species). For enquiries regarding TOPS you may contact the Directorate: Biodiversity Enforcement, Ephraim Makhubele or Zizipho Madyibi, Tel. (012) 399 9600 and email EMakhubele@environment.gov.za or ZMadyibi@environment.gov.za.

Table 3. The following relevant offices can be contacted for further information and enquiries on TOPS and AIS regulations:

Province	Department	Contact Person	Contact Details
Western Cape	Cape Nature	Danelle Kleinhans	Tel. (021) 483 0121
Northern Cape	Nature Resources	Elsabie or Marietjie	Tel. (053) 807 7476
North West	Conservation and Tourism	Mashudu Nmutandani	Tel. (018) 389 5925
Kwazulu Natal (KZN)	Ezemvelo Wildlife	KZN Jenny Longmore	Tel. (033) 845 1349

l) Valid SARS Tax Clearance Certificate

The applicant is required to declare the financial status of the proposed business with the South African Revenue Services (SARS), which will grant a valid Tax Clearance Certificate that should accompany the application. Contact the National SARS Call Centre at 0800 00 72 77 (www.sars.gov.za).

m) Additional Information/ Documentation

The Minister or the delegated authority may require an applicant to provide any additional information/ documentation in relation to the application, which the Minister/ his or her delegated authority reasonably considers necessary, and may refuse to consider the application until such information/ documentation is provided.

n) Marine Aquaculture Right Application Checklist:

REQUIRED DOCUMENTATION	X
Company Registration Documentation	
Valid Tax Clearance Certificate	
Proposal & Business Plan (including minimum 2 year financial plan)	
Environmental Authorisation or Letter from Competent Authority	
Environmental Management Programme/ Plan	
BEE Certification (If Applicable)	
Valid Lease Agreement or Title Deed	
Traceability Protocol (If Applicable)	
Coastal Waters Discharge Permit or General Authorisation (If Applicable)	
Biodiversity Risk Assessment (If Applicable)	

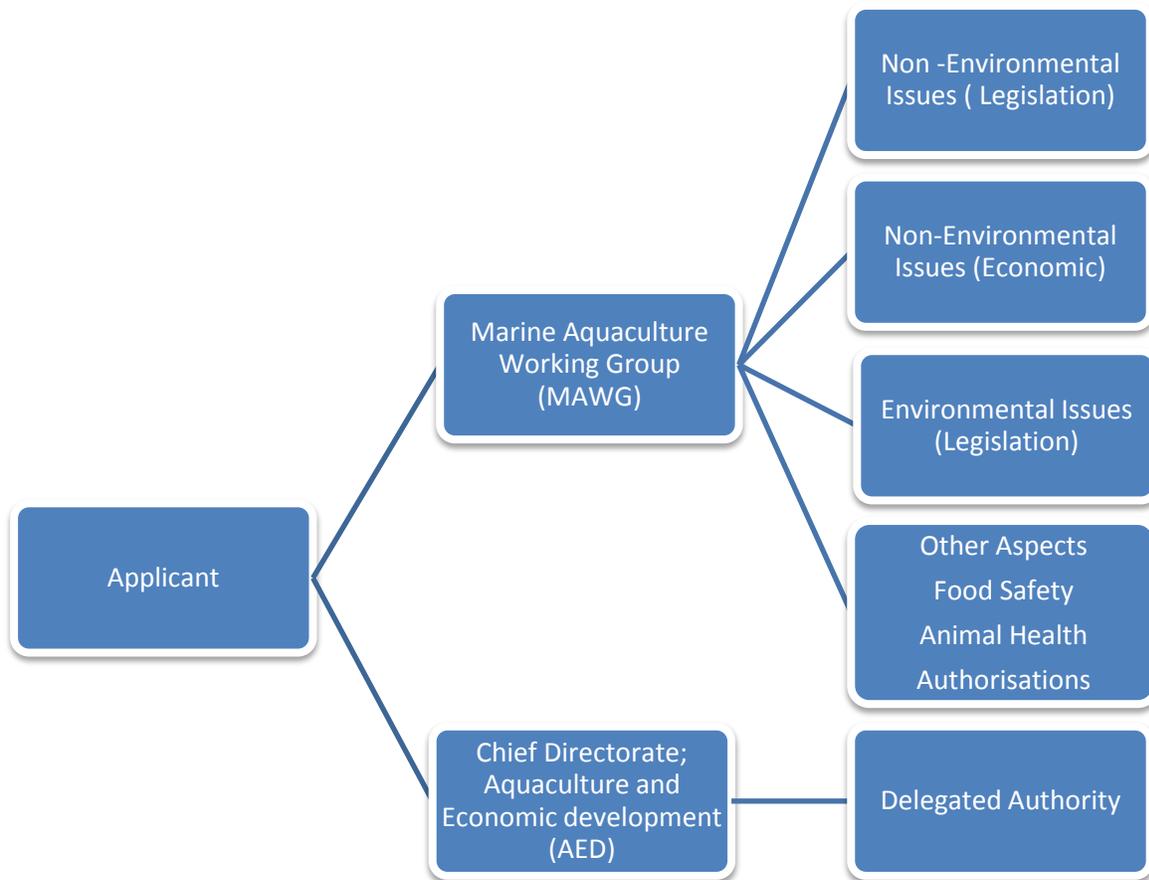


Figure 2. Simplistic diagrammatic representation of the marine aquaculture rights allocation and assessment process (Branch: Fisheries (DAFF)).

2.3 Requirements and process on applying for a marine aquaculture permit

All marine aquaculture permit applications are received by the Department of Agriculture Forestry and Fisheries (DAFF) (See Figure 3. below). An application form can be obtained by the Department of Agriculture, Forestry and Fisheries (DAFF), Branch: Fisheries, Customer Service Centre (CSC), Ground floor, Foretrust Building, Martin Hammerschlag Way, Foreshore, 8001, General Enquiries Tel. (086) 000 3474 and website www.daff.gov.za.

Banking details are as follows:

Bank: First National Bank (FNB)

Branch: Corporate Account Services – Cape Town

Branch Code: 204109

Account Name: Marine Living Resources Fund (MLRF)

Account No. : 62123256382

For a deposit reference number please contact our CSC refer to section 5) Useful Contact Information.

There are requirements when applying for a marine aquaculture permit, which is summarized in the list provided below (N.B. All certified copies documents should be no more than 3 months old.)

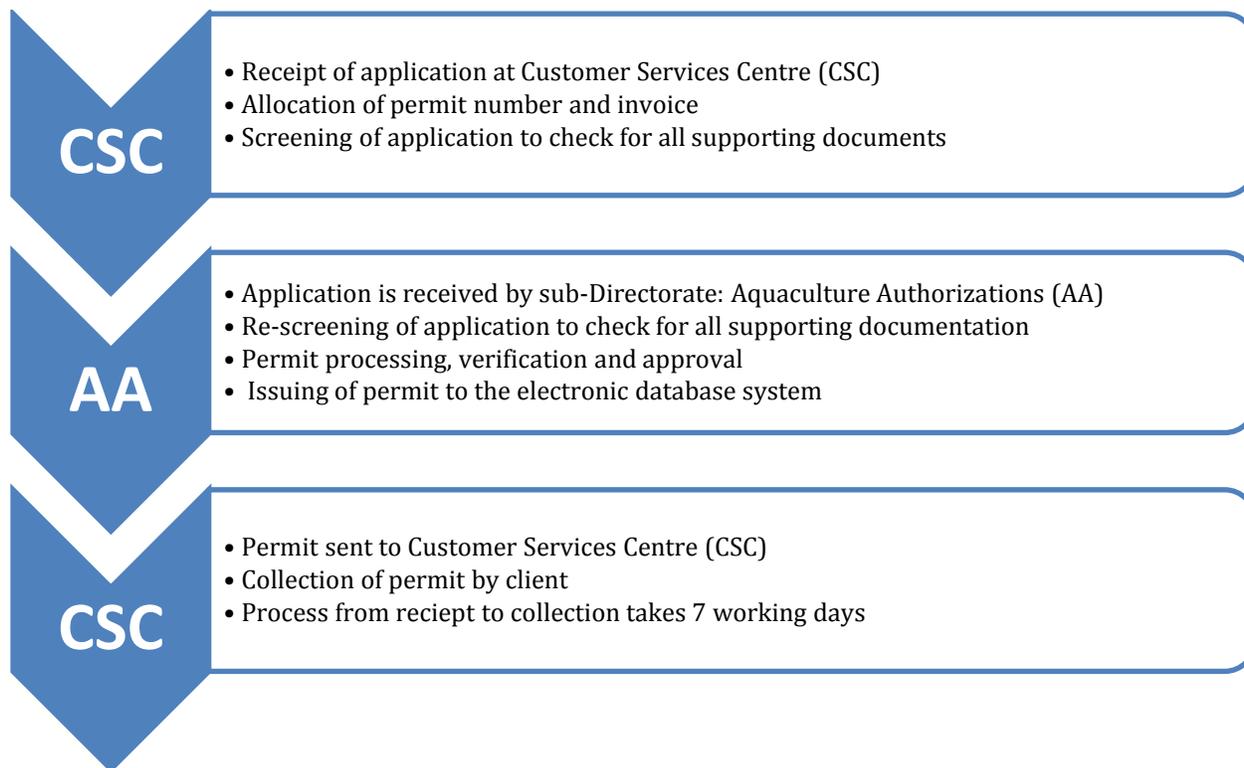


Figure 3. Flow chart showing the permit application process with Customer Service Center (CSC) (Branch Fisheries: DAFF).

Please note that the permit application for a “Right to Engage in Marine Aquaculture: growout” is streamlined and integrates many permit types. This form is two pages and includes a grow-out, broodstock collection, transport, Fish Processing Establishment (FPE) section. This means that most facilities will only need to apply for one application because all activities are covered. Please ensure that you attach all the required supporting documentation as per the checklist.

- As per the Notices done in December 2014, import and export permits may not be amended.
- All queries may be forwarded as follows:

Import and Export permits: Vuyani Krala, Tel. (021) 402 3424, e-mail VuyaniK@daff.gov.za .

Farm operations related permits: Nomvuyiso Dubazana, Tel. (021) 402 3108, e-mail NomvuyisoD@daff.gov.za .

The following requirements are applicable when applying or renewing a marine aquaculture permit for a marine aquaculture or related activity:

- a) Requirements for a permit to engage in marine aquaculture activities including Transport, Vessel and on site Fish Processing Establishment (FPE)
- Original, completed, signed and dated application form.
 - Original Tax Clearance Certificate as approved by South African Revenue Services (SARS).
 - Proof of ownership of site (title deed) or a valid lease agreement for the site.
 - If applying on behalf of a Right holder, a letter of authorization from the Right holder granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permit(s) (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).
 - True certified copies of valid vehicle registration for all nominated vehicles.
 - A true certified copy of a valid SAMSA (South African Maritime Safety Authority) Certificate.
 - A true certified copy of a valid radio license (VMS), reflecting the call sign, as issued by SATRA (South African Telecommunications Regulatory Authority).
 - A signed agreement between the vessel owner and farmer, if the vessel owner is not the farmer (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).
 - A certified copy of the nominated Skipper's Identity document.
 - Production data (frozen, canned, live) for current year of operation in respect of the mass, size and number of marine aquaculture products harvested, sold and destination market.
 - If processing occurs on the marine aquaculture operation/farm for export. a HACCP certificate is required from the National Regulator for Compulsory Specifications (NRCS).
 - If processing of cultured animals is intended for human consumption for marketing within South Africa, a Certificate of Acceptability for Food Premises obtained from the local municipality/provincial authority must be obtained or a HACCP certificate from the NRCS. True certified copies of the original must be attached.
- b) Requirements for a permit to collect broodstock to engage in marine aquaculture activities
- Original, completed, signed and dated application form.
 - Original Tax Clearance Certificate as approved by South African Revenue Services (SARS).
 - Proof of ownership of site (title deed) or a valid lease agreement for the site.

- If applying on behalf of a Right holder, a letter of authorization from the Right holder granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permit(s) (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).
- True certified copies of valid vehicle registration for all nominated vehicles.
- A true certified copy of a valid SAMSA (South African Maritime Safety Authority) Certificate.
- A true certified copy of a valid radio license (VMS), reflecting the call sign, as issued by SATRA (South African Telecommunications Regulatory Authority)
- Where applicable, a list of all authorised diver's and relevant I.D. documents for all diver's that will be collecting broodstock on behalf of the Right holder.
- Recognised and valid diver's qualification for all divers' that will be collecting broodstock on behalf of the company. (If applicable).
- A signed agreement between the vessel owner and farmer, if the vessel owner is not the Right holder. (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).
- A certified copy of the nominated Skipper's Identity document.
- Production data for current year of operation in respect of the mass, size and number of broodstock held/ animals produced and destination market, if applicable.

c) Requirements for a permit to possess broodstock and operate a hatchery

- Original, completed, signed and dated application form.
- Original Tax Clearance Certificate as approved by South African Revenue Services (SARS).
- Proof of ownership of site (title deed) or a valid lease agreement for the site.
- If applying on behalf of a Right holder, a letter of authorization from the Right holder granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permit(s) (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).
- True certified copies of valid vehicle registration for all nominated vehicles.
- A true certified copy of a valid SAMSA (South African Maritime Safety Authority) Certificate.
- A true certified copy of a valid radio license (VMS), reflecting the call sign, as issued by SATRA (South African Telecommunications Regulatory Authority).
- A signed agreement between the vessel owner and farmer, if the vessel owner is not the farmer.
- (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).

- A certified copy of the nominated Skipper's Identity document.
 - Production data for current year of operation in respect of the mass, size and number of broodstock held/ animals produced and destination market, if applicable
- d) Requirements for the purposes of diving and possession of prohibited gear within the listed areas in terms of regulation 3(3) of Government Gazette No. 30716 of 1st February 2008
- An original, completed, signed and dated application form.
 - Certified true copies of an original Identity Document.
 - Original Tax Clearance.
 - Certified true copies of supporting documents.
- e) Requirements for a permit to possess and sell under-sized cultured abalone obtained from an authorised Right Holder as per regulation 37 of the regulations promulgated under the Marine Living Resources Act, 1998 (Act No. 18 of 1998)
- Original, completed, signed and dated application form(s).
 - Certified true copies of Company registration documents or ID document depending on the name of the applicant on the permit application form.
 - Original Tax Clearance Certificate as approved and issued by the South African Revenue Services (SARS) in the name of the applicant.
 - Certified true copies of Mariculture Rights holder's (supplier) current permit.
 - A letter of authorization from the applicant granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permits.
 - Certified true copies of an agreement between the applicant and the supplier and the identity documents for both parties who signed the agreement.
- f) Requirements for a permit to possess and sell under-sized cultured kob species obtained from an authorised Right Holder as set out in Annexure 4 (Government Gazette No. 27453, 6 April 2005) in terms of Regulation 25 promulgated under the Marine Living Resources Act, 1998 (Act No. 18 of 1998).
- Original, completed, signed and dated application form(s).
 - Certified true copies of Company registration documents or ID document depending on the name of the applicant on the permit application form.
 - Original Tax Clearance Certificate as approved and issued by the South African Revenue Services (SARS) in the name of the applicant.
 - Certified true copies of Marine Aquaculture Right Holder or Wholesaler's current permit (supplier).
 - A letter of authorization from the applicant granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permits.

- Certified true copies of an agreement between the applicant and the supplier and the identity documents for both parties who signed the agreement. NB: All certified copies must not be older than 3 months.
- g) Requirements for a permit to export marine aquaculture fish and fish product(s)
- Original, completed, signed and dated application form.
 - Certified true copy(ies) of (an) original identity document (ID), Company or Closed Corporation should be submitted. (True certified copies of Identity documents. No more than 3 months old).
 - Original valid Tax Clearance Certificate as approved by South African Revenue Services (SARS).
 - A list of physical addresses of consignees should be provided (Please note Postal addresses are not permissible)
 - Applicants who are non-right holders must submit the following with the export application (s)
 - i) Proof of purchase and supply agreement with the Right holder (attach certified copies of both signatories to the agreement ID's that are not more than 3 months old)
 - ii) Copy(ies) of permit(s) to engage in Marine Aquaculture if exporting marine aquaculture species.
 - Copy of a National Regulator for Compulsory Specifications (NRCS) (Previously SABS) before submitting your application to the Department for processing. Product test results as per previous export permit(s)
 - Data returns as per previous export permit(s) (filled in Export annexure that was issued with the previous permit);
 - Invoices of purchase are required from non-Right holders only.
 - Letter of authorization when applying on behalf of an applicant.
 - True certified copy of the Right holder's ID.
- h) Requirements for the renewal of fishing vessel licenses for marine aquaculture purposes
- Original, completed, signed and dated application form(s).
 - The applicant shall produce a true certified copy of a valid SAMSA Safety Certificate.
 - A true certified copy of a valid radio license, reflecting the call sign, as issued by SATRA (South African Telecommunication Regulatory Authority)
- i) Requirements for a permit to import marine ornamental organisms
- Original, completed, signed and dated application form. Please complete page 2 (species list) including the scientific names of the species to be imported.

- Certified true copi(es) of (an) original identity document (ID), Company or Closed Corporation should be submitted.
- Original valid Tax Clearance Certificate as approved by South African Revenue Services (SARS).
- A list of physical addresses of exporters / suppliers shall be provided (Please note “various” and Postal Box are not permissible).
- If possible, Invoices and/ or certificate of origin and health certificate reflecting the full details of the exporter/ seller, the quantity or mass and species of the marine organisms to be sold must all be submitted with first application. These invoices and certificates of origin must be submitted on renewal of the import permit if these documents were not submitted with the first application.
- Indicate a single point of entry in South Africa (No more than one point of entry can be displayed on an individual permit).
- Data returns as per previous import permit(s). The importer is to fill in the annexure that was issued with the previous import permits.
- A CITES certificate for all CITES listed species is required.

j) Requirements for an import permit for cultured fish and fish product(s)

- Original, completed, signed and dated application form. Please, complete all 3 columns in page 2 (species list) including the scientific names of the species to be imported and attach to your application.
- Certified true copi(es) of (an) original identity document (ID), Company or Closed Corporation should be submitted.
- Original valid Tax Clearance Certificate as approved by South African Revenue Services (SARS).
- A list of physical addresses of exporters / suppliers should be provided (Please note Postal addresses are not permissible)
- International Trade (ITAC). ITAC is not applicable for Namibia, Swaziland, Lesotho & Botswana, for canned, processed (crumbled/buttered) food, and when importing of juvenile and larval oysters for further grow out.
- A separate application per point of entry (No more than one point of entry can be displayed on an individual permit).
- A certificate of origin for the import of Marine Aquaculture products/species.
- Animal Health Certificate is required for the importing of juvenile oysters and or any live marine aquaculture organisms.
- Health/ Sanitary certificate is required for importing Marine Aquaculture seafood products for human consumption.

- Copy of HACCP (Hazard Analysis and Critical Control Points) Certificate for European Union.
 - Data returns and invoices as per previous imports. The importer must fill in the annexure that was issued with the previous import permits(s). NB: The application will not be accepted if the annexure is not attached. (Not applicable to new applicants)
 - CITES certificate for all CITES listed species:
- k) Requirements for a permit to operate a land- or vessel- based Fish Processing Establishment (FPE)
- Original, completed, signed and dated application form.
 - A valid Tax Clearance Certificate (SARS).
 - A true certified copy of a valid SAMSA (South African Maritime Safety Authority) Certificate.
 - A true certified copy of a valid radio license (VMS), reflecting the call sign, as issued by SATRA (South African Telecommunications Authority).
 - A signed agreement between the vessel owner and farmer, if the vessel owner is not the farmer.
 - A certified copy of the nominated Skipper's Identity document.
 - Certified true copies of both parties' Identity documents.
 - Production data (frozen, canned, live) for current year of operation in respect of the mass, size and number of marine aquaculture products harvested, sold and destination market.
 - Certification by the South African Bureau of Standards (SABS)/National Regulator for Compulsory Specifications (NRCS), and / or Certificate of Acceptability for Food Premises obtained from the local municipality.
 - A letter of authorization from the Right/Exemption holder granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permit(s), (True certified copies of the Identity documents of the Right holder and the nominated party must be attached)
- l) Requirements for a permit to transport marine aquaculture product(s)
- Original, completed, signed and dated application form(s).
 - A certified true copy of an agreement between the Right holder and the Non-Right holder to transport fish.(Please, also attach certified true copies of original South African I.D's for both parties who signed the agreement).
 - Certified true copy of the company registration documents if transporting marine aquaculture species or products on behalf of a company(ies). If the applicant is an individual a certified true copy of the Identity document is required.

- The applicant to provide a certified true copy of a permit to engage in marine aquaculture.
 - In the case of movement or transporting animals between the zoned areas outlined in the
 - Abalone Movement Protocol, a valid Health Certificate is required.
 - Certified copy(ies) of vehicle registration documents.
 - The applicant to provide the list of additional vehicles to be utilized.
- m) Requirements for a marine aquaculture Scientific Investigations and Practical Experiments permit
- Original, completed, signed and dated application form.
 - Certified true copi(es) of (an) original identity document (ID) or Company Registration (if applicable) should be submitted. (True certified copies of Identity documents. No more than 3 months old).
 - A valid Tax Clearance Certificate (SARS) (if applicable).
 - A valid lease agreement (if applicable)
 - A true certified copy of a valid permit of the Right holder that will be supplying animals for the scientific investigation or experiment.
 - A comprehensive research proposal outlining the intended research to be conducted.

The following brief description can be used when submitting a research proposal, the information submitted should include but is not limited to the following:

i) Background

- Provide information on the selected species and origin.
- Describe the suitability of the proposed species for aquaculture.

ii) Motivation, Aims and Objectives, Materials and Methods

- Describe the purpose of the project.
- Outline the aims and objectives of the project.
- Outline materials and methods of the research to be conducted
- Include information on any translocation/ movement and/ or collection of animals from the wild.

iii) Environmental Impacts and Disease Management

- Describe where relevant to the research, the nature of and extent of potential environmental and animal health impacts. Describe how animal health will be managed through the adoption of a biosecurity programme, animal health certification, animal health surveillance and the mitigation of any potential environmental impacts.

iv) Future plans and any other relevant information

- Include information on any future outcomes and plans for the project or research to be conducted.
- If applying on behalf of a Right holder, a letter of authorization from the Right holder granting the nominated person permission to sign documents on his/her behalf or to collect the relevant permit(s) (True certified copies of the Identity documents of the Right holder and the nominated party must be attached).
- Applicants who are non-Right holders must submit the following with the application (s)
 - (i) Proof of purchase or a supplier's agreement with the Right holder (attach certified copies of both signatories to the agreement ID's that are not more than 3 months old). The number of animals to be received by the applicant should be specified in the agreement.

2.4 Application fees

A new permit fee structure was put into effect from 01 October 2010, this requires a basic application fee of R240.00 and a unique permit fee is charged for all permit applications. An additional species fee of R200 is also charged for all imports and exports (refer to Table 1 below).

Table 1. Marine Aquaculture Right Application Fee Structure

Type of Marine Aquaculture Activity	Application Fee
Right to engage in marine aquaculture	R9123.00
Permit for a local fishing vessel licence for marine aquaculture related activities	R505.00
Permit for the purposes of diving and possession of prohibited gear within the listed areas in terms of regulation 3(3) of government gazette no. 30716 of 1 February 2008.	R505.00
Permit to collect and possess broodstock for mariculture purposes.	R505.00
Permit to export cultured abalone	R505.00
Permit to export cultured marine fish species and products thereof	R505.00 & R200 for every additional species
Permit to import cultured marine fish and fish products thereof.	R505.00 & R200 for every additional species
Permit to possess and sell under-sized abalone obtained from obtained from a marine aquaculture right holder	R505.00
Permit to transport marine aquaculture fish or any product thereof.	R505.00

Permit for scientific investigations and practical experiments	R505.00
Permit to collect and possess broodstock i.t.o scientific investigations and practical experiments.	R505.00
Permit to engage in mariculture activities: grow-out.	R1902.00
Permit to harvest ranched abalone.	R1902.00
Permit to operate a marine aquaculture fish processing establishment	R1902.00
Permit to possess broodstock and operate a marine aquaculture hatchery.	R1902.00
Permit to transport cultured marine fish species or any product thereof	R505.00
Permit to transport cultured abalone	R505.00
Permit to import marine ornamental organism	R505.00

3. FRESHWATER AQUACULTURE AUTHORISATION REQUIREMENTS AND REGULATIONS

3.1 Freshwater aquaculture species authorisations

This step involves deciding upon an appropriate species for an aquaculture activity. Permits for stocking, transporting fish from one location to another and the use of selected species is applied for at Nature Conservation and Provincial Authorities. In all cases where the use of an exotic, threatened or protected species is considered, the relevant authorities must be approached to obtain the necessary authorizations and legal frameworks in terms of species choice, primarily provided by the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) (NEMBA). Species choice and the above legal frameworks inform the EIA authorisation process in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA).

Also, refer to section 2.2 k) Threatened and Protected Species (TOPS) and Alien Invasive Species (AIS) regulations.

Table 1. The following offices can be contacted for further information and enquiries on freshwater aquaculture species authorisations:

Province	Department	Contact Person	Contact Details
Mpumalanga	Mpumalanga Tourism and Parks Agency	Dries Pienaar	Tel. (013) 759 5329 e-mail dries@mtpa.co.za
	Mpumalanga Tourism and Parks Agency	Dorothy	Tel. (013) 759 5334 e-mail dorothy@mtpa.co.za
Western Cape	Cape Nature	Martin Jordan	Tel. (021) 866 8011 e-mail Mjordan@capenature.co.za
	Cape Nature	Dean Impson	Tel. (021) 866 8049 e-mail Dimpson@capenature.co.za
Gauteng	Department	Permit Office	Tel. (011) 355 1207

	of Agriculture and Rural development (Conservation Section)		
	Department of Agriculture and Rural development (Conservation Section)	Violet Ndongeni	Tel. (012) 316 1638 e-mail violet.ndongeni@gauteng.gov.za
Kwazulu - Natal	Ezemvelo KZN Wildlife	Ken Morthy	Tel. (031) 274 6900 e-mail Ken.Morty@kznwildlife.com
North West	Department of Agriculture, Conservation & Environment	Basi Dirole	Tel. (018) 389 5671/ 5270 e-mail bdirole@nwpg.gov.za
Free State	Department of Economic, Tourism and Environment Affairs	Leon Barkhuizen	Tel. (051) 400 8425 e-mail barkhizenl@detea.fs.gov.za
Limpopo	Department of Economic Development, Environment and Tourism	Anthony van Wetten	Tel. (015) 290 7171/7081 e-mail VanWettenAA@ledet.gov.za

3.2 Land use planning and access

Refer to section 2.2 d) Land Use Planning and Access.

3.3 Water use authorisation

This step consists of determining the need for a water use authorisation in terms of the National Water Act, 1998 (Act No. 36 of 1998) (NWA) from the Department of Water Affairs (DWA), which is the primary legislative framework used by the DWA to protect, use, develop, conserve, manage and control South Africa's water resources. If established that a water use authorisation is required, an application must be made for this to DWA. Water use planning and the water use authorisation inform the environmental authorisation process in terms of NEMA. In this, the reasonable strengthening of aquaculture must take place without unnecessary impacts on freshwater resources, on the fitness for use of water by other activities and on the greater environment.

a) Water Use Authorisation Requirements and Process in terms of the NWA

In terms of using water for aquaculture purposes, such a use is categorised in the NWA as one of the following, for which authorisation is required:

- taking water from a water resource,
- storing water,
- impending or diversion of waterflow of water in a watercourse,
- discharging of waste or water containing waste into a water resource through a pipe, canal, sewer, ect.
- disposing of waste in a manner which may damagingly impact on a water resource whether rivers, groundwater ect.
- altering of the bed, banks, course or characteristics of a watercourse, or
- using water for recreational purposes.

b) If any of the above water uses are incorporated into any planned aquaculture activity, one of the following authorisation types will apply:

- A predetermined authorisation by means of the water use being classified as a Schedule 1 Use as defined in the NWA. This is limited to aquaculture activities wherein the use of water is integrated into the reasonable domestic use of water. This typically applies to very small aquaculture activities and requires no application for the authorisation of the water use.
- A predetermined authorisation by means of the water use being classified as an Existing Lawful Use as defined in the NWA. This typically applies to the use of water, which was authorised prior to, and took place in the 2-year period preceding, the promulgation and commencement of the NWA. Although no application is required in this regard, it may be necessary to have a competent authority recognise such an Existing Lawful Use.
- A predetermined authorisation by means of the water use being classified as a General Authorisation as defined in the NWA. General Authorisations intend to facilitate the legal access to water resources by eliminating the need for licence applications in instances where the potential harm to the water resources or the potential impact of pollution sources, are limited. In order to determine the applicability of this type of authorisation. In the event of a General Authorisation, a standardised registration form must be submitted to DWA.
- An authorisation process to obtain a Water Use Licence as defined in the NWA. A licence is required in the event that a particular planned use of water for aquaculture does not meet the criteria for a Schedule 1 Use, an Existing Lawful Use or a General Authorisation. If a licence is required, a standardised licence application form must be submitted to DWA together with a report containing at least the following information, which pertains to the proposed aquaculture activity:
 - The aquaculture type in terms of water based activity (freshwater)

- The intended aquaculture species, whether the intended production species are exotic, indigenous, or indigenous but extralimital to the area,
- The intended production capacity in tons per annum (round weight and unprocessed),
- The type of aquaculture production system in which the water will be used (e.g. tank culture, raceways, pond culture or cage culture),
- The type of internal water management system (e.g. through flow, re-circulation or cage culture),
- The type of post-production water management system (e.g. biological filtration, settlement systems, drum filters etc.), and
- The intended feed quantity per annum and the feed type.

Table 2. The following offices can be contacted for further information and enquiries on water use authorisations:

Province	Department	Contact Person	Contact Details
Eastern Cape	Department of Water Affairs	Vien Kooverji	Tel. (043) 701 0371 e-mail Kooverjiv@dwa.gov.za
Free State	Department of Water Affairs	Willem Blair	Tel. (051) 405 9332 e-mail BlairV@dwa.gov.za
Gauteng	Department of Water Affairs	Ephraim Matseba	Tel. (012) 392 1374 e-mail MatsebaE@dwa.gov.za
Kwa-Zulu Natal	Department of Water Affairs	Sibusiso Mathonsi	Tel. (031) 3362730 e-mail MathonsiS@dwa.gov.za
Limpopo	Department of Water Affairs	Komape Martha	Tel. (015) 290 1463 e-mail KomapeM@dwa.gov.za
Mpumalanga	Department of Water Affairs	Standfort Macevele	Tel. (013) 932 2061 e-mail Maceveles@dwa.gov.za
Northern Cape	Department of Water Affairs	Nozi Mazwi	Tel. (053) 836 7602 e-mail MazwiR@dwa.gov.za
Western Cape	Department of Water Affairs	Nkhetheni Nthungeni	Tel. (021) 941 6295 e-mail NthungeniN@dwa.gov.za

3.4 Environmental planning

Refer to section 2.2 i) Environmental Impact Assessment (EIA).

4 IMPORT AND EXPORT AUTHORISATION REQUIREMENTS FOR AQUACULTURE PRODUCT(S)

In terms of Section 6 of the Animal Diseases Act, 1984 (Act no 35 of 1984), no animal or animal product may be imported into or moved in transit through South Africa without the importer obtaining a veterinary import permit from the Department of Agriculture, Forestry and Fisheries (DAFF). Directorate: Food Import and Export Standards. The DAFF has a regulatory function over the protection of agricultural resources and animal health

matters. The Veterinary Services of the Provincial Department(s) of Agriculture must be engaged for the export certification of live freshwater aquatic organisms. Below is a list of provincial State Veterinarians that have been nominated to undertake duties applicable to supporting export certification of freshwater aquatic animals and aquatic animal products within different provinces.

Table 1: Contact details of officials at Provincial authorities involved in export certification for aquatic animals.

Province	Contact person	Contact details
Eastern Cape	Dr Vusi Rozani	Tel. (043) 605 4223 Cell 082 779 9606 e-mail vusi.rozani@agr.ecprov.gov.za
	Dr Stuart Varrie	Tel. (043) 722 3081/2 Cell 079 696 5499 e-mail stuart.varrie@agr.ecprov.gov.za
Free State	Dr Sarah Mutsinze	Tel. 051 436 3677 Cell 071 267 1010 e-mail sarah.mutsinze@gmail.com
Gauteng	Dr Ambrose Kyandi	Tel. 011 411 4331 Cell 078 357 3573 e-mail ambrose.kyandi@gauteng.gov.za
Kwazulu Natal (North)	Dr Jenny Preiss	Tel. 035 550 0210 Cell 084 585 5143 e-mail drjennypreiss@gmail.com
Kwazulu Natal (South)	Dr Shavetha Dhanilall	Tel. 031 302 2800 Cell 079 506 1991 e-mail shavetha.dhanilall@kzndae.gov.za
Limpopo	Dr Johan Mentz	Tel. 015 297 1347 Cell 083 302 1850 e-mail jjmentz@gmail.com
Mpumalanga	Dr Boetie Oupa Rikhotso	Tel. (013) 773 1150 Cell 082 403 9646 e-mail brikhotso@mpg.gov.za
North West	Dr Ratule Mphuti	Tel. (018) 336 1121 /1113 Cell 079 105 5582 e-mail rmphuti@nwpg.gov.za
Northern Cape	Dr Nelson Matekwe	Tel. (053) 341 1045 Cell 083 452 9867 e-mail rutego@yahoo.com ; nmatekwe@ncpg.gov.za
Western Cape	Dr Gary Buhrmann	Tel: 021 808 5026 Cell 083 642 0602 e-mail garyb@elsenburg.com

An import and/ or export permit is required by the Department of Agriculture, Forestry and Fisheries (DAFF) for the import and/ or export of marine aquaculture product (refer to section 2.3 Process and Requirements on applying for a marine aquaculture permit). The DAFF is the responsible authority for the issuing of import permits for marine ornamentals intended for display purposes (i.e. aquarium hobbyist or commercial aquarium) or intended for marine aquaculture (i.e. commercial production). With regard to export

permits, if there are any CITES (Convention on the International Trade in Endangered Species) listed species on the permit application species list, then the applicant will have to apply for a CITES permit through the Department of Environmental Affairs, Directorate: Biodiversity, Pretoria. Please contact Ephraim Makhubele and Zizipho Madyibi at Tel (012) 399 9600 or email EMakhubele@environment.gov.za or ZMadyibi@environment.gov.za.

An ITAC (International Trade Administration Commission) import permit notification is required for the import of frozen fish and fish products, which can be obtained from the Department of Trade and Industry import permit notification. For further information please contact the International Trade and Administration Commission (ITAC), Mpho Tjiane, at tel. (012) 399 9600 and e-mail MTjiane@environment.gov.za. The following goods are subject to import control measures by the Department of Trade and Industry (dti), International Trade and Administration Commission (ITAC) in **Figure 1**. below.

Schedule 1

Description of Goods	Tariff Heading
Fish, fresh or chilled	03.02
Fish, frozen	03.03
Fish, fillets and other fish meat (whether or not minced), fresh, chilled or frozen	03.04
Fish, dried, salted or in brine; smoked fish, whether or not cooked before or during the smoking process; fish meal fit for human consumption but excluding smoked salmon of subheading No. 0305.41	03.05
Crustaceans, whether in shell or not, live, fresh, chilled, frozen, dried, salted or in brine; crustaceans, in shell, cooked by steaming or by boiling in water, whether or not chilled, frozen, dried, salted or in brine	03.06
Molluscs, whether in shell or not, live, fresh, chilled, frozen, dried, salted or in brine; aquatic invertebrates other than crustaceans and molluscs, live, fresh, chilled, frozen, dried, salted or in brine excluding oyster spat of subheading 0307.10.10	03.07

Figure 1. Goods subject to import control measures by the Department of Trade and Industry (dti) when importing aquaculture product(s).

The National Regulator for Compulsory Specifications (NRCS) is recognised by importing countries as the Competent Authority for the issuing of health guarantees for the export of fish and fishery products intended for human consumption. The NRCS is responsible for the implementation of the Compulsory Specifications for canned fish (VC 8014), Live and fresh abalone (VC 9001) and frozen fish (VC 8017) in terms of the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008). The aquaculture product exported is required to comply with the relevant food safety programme i.e. South African Molluscan Shellfish Monitoring and Control Programme or the South African Aquaculture Marine Fish Monitoring and Control Programme that is implemented in terms of the Marine Living Resources Act, 1998 (Act No. 18 of 1998) by the DAFF and is required to comply with the importing country's import requirements.

The following Table 2. below provides a summary outline of the roles and function of the relevant authorities responsible for the regulation of imports and exports of aquaculture product(s) in South Africa.

Table 2: Contact details, roles and function of relevant authorities for the import and export of aquaculture product(s).

Official Name	Designation	Responsibility	Contact Details	Role
Ntomboxolo Meisie Katz	General Manager Food and Associated Industries	NRCS	Tel. (021) 526 3400 Fax (021) 526 3451 e-mail Katzmn@nrcs.org.za	<ul style="list-style-type: none"> Import and export of live and processed aquatic animals for immediate human consumption is facilitated through the NRCS. Frozen and canned fish or shell fish, any hermetically sealed fish products, commercially sterile and sealed in plastic No NRCS control or specifications for fresh fish or fresh fish on ice (chilled) The following Compulsory Specifications (imported and local products) are administered: <ul style="list-style-type: none"> Canned Fish, Canned Fish Products and Canned Marine Molluscs (VC 8014) Canned Crustaceans (VC 8014) Canned Meat Products (VC 8019) Frozen Fish, Frozen
Maphuti Kutu	Technical Specialist: Food & Agro-processing Division: Regulatory Research and Development	NRCS	Tel. (012) 482 8930 e-mail Kutum@nrcs.org.za	
Deon Jacobs		NRCS	Tel. (021) 526 3400 Fax (021) 526 3451 e-mail jacobsdc@nrcs.org.za	
Kobus van der Merwe	Inspector	NRCS (Pretoria)	Tel. (012) 428 6469	
Johan van Heerden	Inspector	NRCS (Pretoria)	Tel. (012) 4828896	
Nomfanelo Mazungula	Inspector	NRCS (PE)	Tel. (041) 391 8400 Fax (041) 391 8427 e-mail Nomfanelo.Mazungula@nrcs.org.za	
Grant Hingle	Inspector	NRCS (Durban)	Tel. (031) 203 2940 Fax 031 203 2930 e-mail hinglegs@nrcs.org.za	
Fanie du Preez	Inspector	NRCS (Mossel bay)	Cell 082 529 1666	

Judi Basson	Inspector	NRCS (West Coast)	Cell 072 239 7039	Marine Molluscs, and Frozen Fish and Frozen Marine Molluscs Products (VC 8017) <ul style="list-style-type: none"> • Frozen Rock Lobster Products (VC 8020) • Frozen Shrimps (Prawns), Langoustines and Crabs (VC 8031) • Smoked Snoek (frozen) (VC 8021) • Live aquaculture abalone (VC 9001)
Victor Erasmus	Inspector	NRCS (Hermanus)	Tel. 028 -312 4820 Fax 028-312 4820 Cell 079 887 9098	
Mr Daniel Matlala (Acting Director)	Director of Food Control	Department of Health	Tel. 012 395 8789 Fax 012 395 8854 Tel. (012) 358 4656 (permits Pretoria) Tel. (011) 407 6812 (permits Johannesburg)	<ul style="list-style-type: none"> • Chilled and other types of fish not controlled by NRCS • Monitoring of consignments imported from other countries at ports of entry (Durban, Cape Town, Port Elizabeth, Johannesburg Airport) • NOT involved with export of fish from South Africa to other countries
Ms Penny Campbell	Deputy Director: Biological Safety and Programme Support	Department of Health	Tel. 012 395 8788 Fax 012 395 8854 e-mail campbp@health.gov.za	
ITAC Certificate			Tel. (012) 394 3609 Fax (012) 394 0517 www.itac.org.za Customer Contact Center 0861 843 384	<ul style="list-style-type: none"> • Refer to Figure 1. above.
Dr C B Motsisi-Mehlape	State Veterinarian (import control)	DAFF, Directorate: Animal Health	Tel. 012 319 7648 Fax 012 329 6892 e-mail BoitumeloMOT@daff.gov.za Permit office: Tel. (012) 319 7514 / 7632 / 7633 / 7406 / 7500 / 7503 / 7461 Fax (012) 319 7644	<ul style="list-style-type: none"> • Live freshwater and tropical aquarium fish only (imports) • Import and export of ova (Salmonids) • Importation of live freshwater fish for research purposes (White list of fish species allowed to be imported)
Dr Michelle Lewis	State veterinarian (Import Export Control)	DAFF, Directorate: Animal Health	Tel. (012) 319 7648 e-mail MichelleL@daff.gov.za	

Thule Cele	State veterinarian (Import Export Control)		Tel. (012) 319 6313 e-mail ThuleN@daff.co.za	
Dr Marietta Bronkhorst	State veterinarian (Import Export Control)	DAFF, Directorate: Animal Health	Tel. (012) 319 7536 Fax (012) 329 6892 e-mail MariettaB@daff.gov.za	<ul style="list-style-type: none"> Registration of fish farms for export of live fish (salmonids and Koi carp)
Dr Sasha Saugh	DAFF, Directorate: Sustainable Aquaculture Management	Aquaculture Animal Health unit	Tel. (021) 430 7052 e-mail SashaS@daff.gov.za	<ul style="list-style-type: none"> Marine fish and shellfish imports Registration of marine aquaculture farms
Mr John Foord	Food Safety Officer	DAFF, Directorate: Sustainable Aquaculture Management	Tel. 021 430 7003 e-mail JohnF@daff.gov.za	<ul style="list-style-type: none"> Food safety monitoring for finfish and shellfish
Ms Heidi Potgieter	Nature Conservation		Contact relevant provincial authorities: Permits Office GDARD Tel. (011) 240 3043 Fax 086 420 2203 / 011 240 3044	<ul style="list-style-type: none"> Live fresh water fish (Importation)

5 SUPPORTING DOCUMENTATION

This guideline is supported by the following documentation, which can be used as additional information sources.

- a) Department of Agriculture, Forestry and Fisheries (2013). A Directory of Development Finance and Grant Funding Organisations for Aquaculture in South Africa, 30 pp.
- b) Department of Trade and Industry (2013). Aquaculture Development and Enhancement Programme, a sub-programme of the Enterprise Investment Programme, 18 pp.
- c) Department of Agriculture, Forestry and Fisheries (2013). Legal Guide to Aquaculture in South Africa (First Edition), 94 pp.
- d) Department of Environmental Affairs (2013). EIA Guideline for Aquaculture in South Africa, 72 pp.

- e) Department of Water Affairs and Forestry. Guideline for Authorising the Use of Water for Aquaculture. Directorate Water Abstraction and Instream Use, Sub-directorate Environment and Recreation. [xiv] + [38] pp.
- f) Department of Agriculture, Forestry and Fisheries (2012). Environmental Integrity Framework for Marine Aquaculture, 96 pp. (Available online at www.daff.gov.za)
- g) Department of Agriculture, Forestry and Fisheries (2011). Agricultural Business Plan Guidelines, 16pp. (Available online at www.daff.gov.za)
- h) Hinrichsen, E. 2008. Guideline to the Authorisation Requirements for Aquaculture in the Eastern Cape: Edition 1. Division of Aquaculture, Stellenbosch University Report. Republic of South Africa, Provincial Government of the Eastern Cape, Department of Economic Development and Environmental Affairs, Bhisho.
- i) Hinrichsen, E. 2007. Guideline to the Authorisation Requirements for Aquaculture in the Western Cape: Edition 1. Division of Aquaculture, Stellenbosch University Report. Republic of South Africa, Provincial Government of the Eastern Cape, Department of Environmental Affairs & Development Planning, Cape Town.

6 USEFUL CONTACT INFORMATION

DEPARTMENT OF AGRICULTURE FORESTRY AND FISHERIES (DAFF) CUSTOMER SERVICE CENTRE (CSC)

Table 1. Contact details for officials at the Customer Service Center (CSC), Department of Agriculture, Forestry and Fisheries (DAFF).

Official Name	Designation	Contact Details
Ms Zugerá Galant	Deputy Director : Customer Service Centre Operations	Tel. (021) 402 3443
Ms Magda Burger	Assistant Director : Customer Service Centre Operations	Tel. (021) 402 3180
Mr Naeem Abdurahman	Senior Admin Office: Walk in Centre. Supervisor/ Floor Manager	Tel. (021) 402 3180
Ms Lunga Madyibi	Consultant : Customer Service Centre	Use any of the above/ below telephone numbers.
Ms Jacqueline Majola	Consultant : Customer Service Centre	Use any of the above/ below telephone numbers.
Mr Mfundo Mata	Consultant : Customer Service Centre	Use any of the above/ below telephone numbers.
Ms Aurille Davids	Senior Admin Officer : Call Centre	Tel. 086 000 3474/ (021) 402 3259
Mr Haroon Stuurman	Senior Admin Clerk : Call Centre	Tel. 086 000 3474/ (021) 402 3436
Ms Aphiwe Nonkeza	Senior Admin Clerk : Call Centre	Tel. 086 000 3474/ (021) 402 3634

Mrs Berenice Steenkamp	Office Administrator : Customer Services Centre	Tel. 086 000 3474/ (021) 402 3670
Ms Bukeka Mehlo	Senior Admin Clerk : Customer Services Centre	Tel. 086 000 3474/ (021) 402 3670
Ms Lolwethu Sqithe	Senior Admin Clerk : Customer Services Centre	Tel. (041) 582 1871

DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES (DAFF), DIRECTORATE: SUSTAINABLE AQUACULTURE MANAGEMENT (SAM)

Table 2. Contact details for officials at the Directorate: Sustainable Aquaculture Management (SAM), Department of Agriculture, Forestry and Fisheries (DAFF).

Official Name	Designation	Responsibility	Contact Details
Mr Asanda Njobeni	Director	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (012) 402 3409 Email AsandaN@daff.gov.za
Ms Mbali Mgingqi	Office Administrator/ Personnel Assistant	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 402 3065 Email MbaliM@daff.gov.za
Ms Zimasa Jika	Deputy Director Sub - Directorate: Aquaculture Authorisation	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 402 3356 Email ZimasaJ@daff.gov.za
Mr Tshepo Sebake	Assistant Director Sub – Aquaculture Policy Specialist	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 403 3116 Email TshepoSE@daff.gov.za
Ms Gwen Bokwe	Administrative Officer Sub - Directorate: Aquaculture Authorisation	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 402 3631 Email GwenB@daff.gov.za
Mr Vuyani Krala	Senior Administrative Officer Sub - Directorate: Aquaculture Authorisation	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 402 3424 Email VuyaniK@daff.gov.za
Mr Imtiyaz Ismail	Environmental Officer (Specialised Production) Sub - Directorate: Aquaculture Authorisation	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 402 3673 Email ImtiyazI@daff.gov.za

Ms Fatima Daya	Environmental Officer Control Grade B (Environmental Assessments) Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 430 7006 Email FatamaS@daff.gov.za
Ms Michelle Pretorius	Environmental Officer Production Grade C (Shellfish Farm Monitoring) Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 430 7034 Email MichellePR@daff.gov.za
Dr Sasha Saugh	Aquatic State Veterinarian Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 430 7052 Email SashaS@daff.gov.za
Ms. Primrose Lehubye	Animal Health Technician Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 430 7076 Email PrimroseL@daff.gov.za
Mr John Foord	Environmental Officer Specialized Production (Shellfish and Finfish Monitoring Programme) Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 430 7003 Email JohnF@daff.gov.za
Ms Portia Dwane	Environmental Officer Production (Shellfish and Finfish Monitoring Programme) Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (012) 319 7620 Email Portia@daff.gov.za
Mr Mayizole Majangaza	Environmental Officer Production Grade C (Shellfish and Finfish Monitoring Programme) Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Directorate: Sustainable Aquaculture Management (SAM)	Tel. (021) 430 7065 Email MayizoleM@daff.gov.za
Mr Maxhoba Jezile	Environmental Officer Production Grade C (Shellfish and Finfish Monitoring Programme)	Directorate: Sustainable Aquaculture	Tel. (021) 430 7037 Email MaxhobaJ@daff.gov.za

	Sub – Directorate: Aquaculture Animal Health and Environmental Interactions	Management (SAM	
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DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES (DAFF), DIRECTORATE: AQUACULTURE TECHNICAL SERVICES (ATS)

Table 3. Contact details for officials at the Directorate: Aquaculture Technical Services (ATS), Department of Agriculture, Forestry and Fisheries (DAFF).

Official Name	Designation	Responsibility	Contact Details
Ms Khumo Morake	Director	Directorate: Aquaculture Technical Services (ATS)	Tel. (021) 402 3038 Email KhumoM@daff.gov.za
Mr Donald Nkgadima	Office Administrator	Directorate: Aquaculture Technical Services (ATS)	Tel.(021) 402 3116 Email DonaldN@daff.gov.za
Mr Alistair Busby	Control Scientific Technician	Directorate: Aquaculture Technical Services (ATS)	Tel. (021)430 7036 Email AlistairB@daff.gov.za
Ms Pontsho Sibanda	Production Scientist: Aquaculture	Directorate: Aquaculture Technical Services (ATS)	Tel. (012) 319 7404 Email PontshoS@daff.gov.za
Ms Claudia Melo	Scientific Control Technician	Directorate: Aquaculture Technical Services (ATS)	Tel.(021) 430 7074 Email ClaudiaM@daff.gov.za
Ms Karabo Bopape	Environmental Officer Specialised Production	Directorate: Aquaculture Technical Services (ATS)	Tel. (012) 319 7457 Email KaraboB@daff.gov.za
Mr Lloyd Sassman	Marine Aquaculture Research Assistant	Directorate: Aquaculture Technical Services (ATS)	Tel. (021) 430 7037 Email LloydS@daff.gov.za
Mr Alick Hendricks	Marine Aquaculture Research Assistant	Directorate: Aquaculture Technical Services (ATS)	Tel.(021) 430 7038 Email AlickH@daff.gov.za
Ms Matebo Yvonne Moroasui	Environmental Officer Specialised Production	Directorate: Aquaculture Technical	Tel.(021)402 3414 Email Matebo@daff.gov.za

		Services (ATS)	
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DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES (DAFF), DIRECTORATE: OPERATION PHAKISA DELIVERY UNIT

Table 4. Contact details for officials in the Operation Phakisa Delivery Unit, Department of Agriculture, Forestry and Fisheries (DAFF).

Official Name	Designation	Responsibility	Contact Details
Ms Andrea Bernatzeder	Operation Manager	Operation Phakisa Delivery Unit	Tel. (021) 402 3067 Email AndreaB@daff.gov.za
Ms Bongiwe Gxilishe	Senior Administrator Officer	Operation Phakisa Delivery Unit	Tel. (021) 402 3322 Email BongiweG@daff.gov.za
Ms Lisa Geswindt	Deputy Director: Investment Promotion	Operation Phakisa Delivery Unit	Tel. (021) 402 3331 Email LisaG@daff.gov.za
Mr Kishan Sankar	Aquaculture Advisor	Operation Phakisa Delivery Unit	Tel. (021) 402 3631 Email KishanS@daff.gov.za
Mr Keagan Halley	Aquaculture Advisor	Operation Phakisa Unit	Tel. (021) 402 3326 Email Keaganh@daff.gov.za
Ms Masuping Mofokeng	Assistant Director: Aquaculture Economics	Operation Phakisa Delivery Unit	E-mail MasupingM@daff.gov.za

