

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

NO. R. 781

23 MAY 2019

**NATIONAL ENVIRONMENTAL MANAGEMENT: PROTECTED AREAS ACT,
2003
(ACT NO. 57 OF 2003)**

**REGULATIONS FOR THE MANAGEMENT OF THE ALIWAL SHOAL MARINE
PROTECTED AREA**

I, Nomvula Paula Mokonyane, Minister of Environmental Affairs, hereby make the Regulations for the Management of the Aliwal Shoal Marine Protected Area in terms of sections 48A(2) and 86(1)(a), (b), (c) and (d) of the National Environmental Management: Protected Areas Act, 2003 (Act No. 57 of 2003), as set out in the Schedule hereto.



**NOMVULA PAULA MOKONYANE
MINISTER OF ENVIRONMENTAL AFFAIRS**

SCHEDULE

1. Definitions

In these regulations, unless the context indicates otherwise, a word or expression that is defined in the Act bears the same meaning in these regulations, and in addition—

“**Act**” means the National Environmental Management: Protected Areas Act, 2003 (Act No. 57 of 2003);

“**alpha flag**” means the ‘diver down flag’ used to indicate that diving operations are in progress and other vessels must keep clear;

“**ASOCPLZ**” means Aliwal Shoal Offshore Controlled-Pelagic Linefish Zone;

“**ASORZ**” means Aliwal Shoal Offshore Restricted Zone;

“**attract**” means to feed, chum or bait, or to use any other means, method or device to lure a live specimen of a shark species (Elasmobranchii);

“**beach-seine net**” means any net, used for fishing with or without a cod-end or bag, deployed from the shore whether by hand or from a vessel, and then hauled onto the shore or vessel;

“**certificate of competence**” means a certificate of competence as defined in the National Small Vessel Safety Regulations, 2007;

“**certificate of fitness**” means a certificate of fitness as defined in the National Small Vessel Safety Regulations, 2007;

“**chum or chumming**” means scenting or using pieces of an animal weighing less than 10 grams, in the water to lure a live specimen of any shark species (Elasmobranchii);

“**commercial fishing**” shall have the meaning assigned to it in section 1 of the Marine Living Resources Act;

“**Controlled Zone**” means an area within a marine protected area where fishing or any other activity in terms of section 48A(1) of the Act may take place if authorised in terms of these regulations, as contemplated in terms of section 48A(2) of the Act;

“**CORZ**” means the Crown Offshore Restricted Zone

“Controlled-Pelagic Linefish Zone” means a Controlled Zone within the Marine Protected Area where only pelagic linefishing and spearfishing may occur as detailed in a fish list attached to these regulations as Annexure 2 and includes the ASOCPLZ;

“environment” has the meaning assigned to it in section 1 of the National Environmental Management Act;

“fish” means any aquatic plant or animal whether piscine or not, and any mollusc, crustacean, coral, sponge, holothurian or other echinoderm, reptile and includes their eggs, larvae and all juvenile stages, but does not include sea birds, seals or any marine mammal;

“fishing” or to **“fish”** means—

- (a) searching for, catching, taking or harvesting fish or any attempt to undertake such activity;
- (b) engaging in any other activity which can reasonably be expected to result in the locating, catching, taking or harvesting of fish;
- (c) placing, searching for or recovering any fish aggregating device or associated gear, including radio or tracking beacons;
- (d) any operation in support or in preparation of any activity described in this definition; or
- (e) the use of an aircraft in relation to any activity described in this definition;

“fishing permit” means a commercial, small scale or recreational fishing permit issued in terms of the Marine Living Resources Act, which authorises fishing in the area where the Marine Protected Area is located;

“GPIRZ” means Green Point Inshore Restricted Zone;

“high-water mark” has the meaning assigned to it in section 1 of the Integrated Coastal Management Act;

“hovercraft” means a craft that floats on a cushion of air and is capable of traversing water;

“Integrated Coastal Management Act” means the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008);

“IOCZ” means the Illovo Offshore Controlled Zone;

“linefishing” means fishing by handline or manually operating a rod, reel and line or one or more separate lines to which no more than ten hooks are attached per line;

“Marine Living Resources Act” means the Marine Living Resources Act, 1998 (Act No. 18 of 1998);

“Marine Protected Area” means the Aliwal Shoal Marine Protected Area as declared by the Minister in terms of section 22A of the Act;

“National Small Vessel Safety Regulations” means the Merchant Shipping (National Small Vessel Safety) Regulations, 2007, published in terms of section 356 of the Merchant Shipping Act, 1951 (Act No. 57 of 1951) and promulgated in Government Notice No. R. 705 of 8 August 2007;

“NORZ” means the Ngane Offshore Restricted Zone;

“operate” in respect of a vessel, includes mooring in the water, drifting in the water and ascending or descending from its mooring, the shore, launch site, a buoy or a jetty;

“personal watercraft” means a vessel that uses an inboard motor powering a water jet pump as its primary source of propulsion, and is designed to be operated by a person or persons sitting, standing, or kneeling on rather than within the confines of a hull;

“PORZ” means the Produce Offshore Restricted Zone;

“PROCZ” means the Park Rynie Offshore Controlled Zone;

“purse-seine” or **“purse-net”** means an encircling net of any size which is supported on the surface of the sea by floats along the head-line and weighted by weights along the footrope under the surface of the sea, and of which the bottom portion is drawn together by means of a purseline shackled either at an intermediate point or points or knot, which runs through and is attached to the footrope and includes any net of which the bottom portion is drawn together in a similar manner;

“RBIRZ” means Rocky Bay Inshore Restricted Zone;

“recreational fishing” has the meaning assigned to it in the Marine Living Resources Act;

“Restricted Zone” means an area within the Marine Protected Area where no fishing may take place, but where any other activity in terms of section 48A(1) of the Act may take place if authorised in terms of these regulations as contemplated in terms of section 48A(2) of the Act;

“SICZ” means Scottburgh Inshore controlled zone;

“SCUBA Diving” means swimming below the surface of the water, with the aid of compressed or pumped air or other gasses;

“SCUBA diving vessel” means any vessel that carries SCUBA divers and has no fishing gear on board;

“small-scale fishing or fisher” has the meaning ascribed to it in section 1 of the Marine Living Resources Act, 1998 (Act No. 18 of 1998);

“snorkeling” means to swim with a diving mask, a snorkel or fins;

“spearfishing” means fishing with the use of a speargun;

“speargun” means a device by which a spear is projected by mechanical or pneumatic means;

“specific environmental management Act” has the meaning assigned to it in the National Environmental Management Act;

“Threatened or Protected Marine Species Lists” means the lists published in *Government Gazette* 40875 GN 476 of 30 May 2017, in terms of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004);

“UICZ” means Umkomaas Inshore Controlled Zone;

“vessel” means a waterborne craft of any kind whether a surface craft or submarine, and whether self-propelled or not, and includes any moored floating structure that can be used as a means of transport by water, including a personal watercraft or hovercraft; and

“WGS 84” means the World Geodetic System of 1984 (G730), which is a geographic co-ordinate system.

2. Zonation within the Marine Protected Area

The Marine Protected Area consists of an inshore and offshore area. The inshore area consists of two (2) inshore Restricted Zones and two (2) Inshore Controlled Zones. The offshore area consists of one (1) offshore Controlled-Pelagic Linefish zone, two (2) offshore Controlled Zones and four (4) offshore Restricted Zones, which are determined by using WGS 84 as detailed in Annexure 1 hereto as follows:

- (a) two (2) inshore Controlled Zones, indicated as the Umkomaas Inshore Controlled Zone (UICZ) and the Scottburgh Inshore Controlled Zone (SICZ);
- (b) two (2) offshore Controlled Zones, indicated as the Illovo Offshore Controlled Zone (IOCZ) and the Park Rynie Offshore Controlled Zone (PROCZ);
- (c) two (2) inshore Restricted Zones, indicated as Green Point Inshore Restricted Zone (GPIRZ) and Rocky Bay Inshore Restricted Zone (RBIRZ);
- (d) one (1) offshore Controlled-Pelagic Linefish zone indicated as the Aliwal Shoal Offshore Controlled-Pelagic Linefish Zone (ASOCPLZ); and
- (e) four (4) off shore Restricted Zones, indicated as the Aliwal Shoal Offshore Restricted Zone (ASORZ), the Crown Offshore Restricted Zone (CORZ), the Ngane Offshore Restricted Zone (NORZ) and the Produce Offshore Restricted Zone (PORZ).

3. Scientific research permit

- (1) No person may undertake any scientific research within the Marine Protected Area, except on the authority of a scientific research permit issued by the Minister.
- (2) Application for a scientific research permit in terms of sub-regulation (1) must be made to the Minister in accordance with the provisions of section 83 of the Marine Living Resources Act or any regulations published under the Integrated Coastal Management Act.

4. General restrictions within the Marine Protected Area

- (1) The owner, skipper or operator of a vessel shall not enter or operate a vessel in the Marine Protected Area without a valid certificate of competence and a certificate of fitness issued in respect of such vessel, and such original certificates must be available for inspection at all times.
- (2) A vessel shall not enter the Marine Protected Area unless the marking approved for that vessel in accordance with the provisions of the Merchant Shipping Act, 1951 (Act No. 57 of 1951), is

displayed on the vessel at all times while the vessel is inside the Marine Protected Area.

- (3) The owner, skipper or operator of a vessel shall not enter or operate a vessel in the Marine Protected Area unless such vessel and any other equipment or contents of such vessel, comply with the safety and other requirements specified in the Merchant Shipping Act, 1951 (Act No. 57 of 1951) for such vessel.
- (4) No person may litter or leave any waste including fishing gear, hooks, bait packaging and fishing line within the Marine Protected Area.
- (5) No person may place any shark protection, exclusion or repelling device, equipment or infrastructure, including nets, within the Marine Protected Area without a permit from the Minister, which permit may be issued subject to conditions.
- (6) Subject to regulation 3, no person may undertake marine aquarium fishing, including fishing for or collecting invertebrates, or live rock within the Marine Protected Area.
- (7) No person or vessel, shall be in possession of or have on board, SCUBA diving gear and a speargun.

5. Use of vessels

- (1) No person may moor or anchor any vessel in a, Restricted or Controlled-Pelagic Linefish zone of the Marine Protected Area except—
 - (a) under conditions of *force majeure*;
 - (b) for the use of a vessel by an employee of the Department or any other organ of state acting in the course and scope of their employment or mandate; or
 - (c) for any vessel which has a permit in terms of these regulations for any activity which requires anchoring or mooring.
- (2) Despite sub-regulation (1), the Minister may, on application and on such conditions as he or she may deem appropriate, authorise the anchoring or mooring of a vessel in the following circumstances:
 - (a) in an emergency; or

- (b) where the Minister may deem it to be necessary in order to ensure the proper management of the Marine Protected Area.
- (3) The Minister may verbally authorise a vessel to moor or anchor within a Restricted or Controlled-Pelagic Linefish zone of the Marine Protected Area as contemplated in sub-regulation (2), which verbal authorisation must be confirmed in writing within 3 working days.
- (4) Any motorised vessel that enters or traverses a Restricted Zone within the Marine Protected Area may not stop for more than 3 minutes, or move at less than—
 - (a) 5 knots if such vessel is 10 meters or more in length; or
 - (b) 3 knots if such vessel is less than 10 meters in length,
 unless authorised in terms of these regulations.
- (5) Sub-regulation (4) does not apply to a SCUBA diving vessel, or in the CORZ and PORZ.
- (6) A motorised vessel entering or traversing a Restricted Zone within the Marine Protected Area with fishing gear on board must have a Global Positioning System (GPS) Mapping Device with an active trail operational on the vessel, prior to entering and while traversing a Restricted Zone within the Marine Protected Area and such GPS data may not be deleted from this device for 7 calendar days after passing through a Restricted Zone.
- (7) A motorised vessel required by law to have a Vessel Monitoring System must, when entering or traversing the Marine Protected Area with fishing gear on board, ensure that the Vessel Monitoring System is active.

6. Restriction of activities

No person may undertake any activity listed in section 48A(1) of the Act, in the Marine Protected Area, unless authorised to do so in terms of these regulations.

7. Control of activities in the Restricted Zone

- (1) No person may fish, or attempt to fish, in any Restricted Zone, including spearfishing and fishing for invertebrates or collecting or harvesting of intertidal organisms including any bait species.

- (2) No fishing gear including lines, hooks, lures, nets, trawl doors, warps, spearguns, buoys, traps or any other gear or equipment used for fishing, may be deployed overboard from any vessel within a Restricted Zone of the Marine Protected Area.
- (3) Fishing gear onboard a vessel or in possession of any person that enters or is present in the Restricted Zone of the Marine Protected Area must be stowed in the following manner—
 - (a) In the case of line fishing—
 - (i) from a vessel, all hooks, lures, sinkers and weights are disconnected from the line, all the line is reeled onto the reel or rolled up, and that rolled up line, hooks, lures, bait and weights on the vessel are packed away in a cabin, locker, hatch, wheel house or console of the vessel, or where that is not possible, place such gear on the deck of the vessel;
 - (ii) from the shore, all hooks, lures, and weights are disconnected from the line, all the line is reeled onto the reel or rolled up, and that rolled up line, hooks, lures, bait, weights and any spear gun or spearfishing equipment are placed away in a bag or container;
 - (b) in the case of purse-seine fishing, no gear may be in the water;
 - (c) in the case of trawl fishing, all nets, trawl boards and weights shall be stowed below deck or securely lashed to some part of the superstructure of the fishing vessel;
 - (d) in the case of rock lobster fishing, all traps, nets and ropes shall be on board and tied down; and all dinghies shall be on board and lashed to the fishing vessel;
 - (e) in the case of fishing with traps, other than rock lobster traps, all traps shall be on board and tied down;
 - (f) in the case of any other nets including gillnets, cast nets and throw nets, nets shall be on board and packed away in a console, locker or any other container;
 - (g) in the case of pole fishing, all poles will be secured above deck;

- (h) in the case of longline fishing, no branchline may be attached to the mainline and the entire mainline shall remain on the spool; and
 - (i) in respect of all types of fishing where bait is used, such bait must remain packed away or be placed into a bait well, where available.
- (4) No person may land any fish in a Restricted Zone of the Marine Protected Area.

8. Control of activities in Controlled and Controlled-Pelagic Linefish Zones

- (1) No person may fish, or attempt to fish in a Controlled-Pelagic Linefish or Controlled zone, unless they are in possession of a valid fishing permit, which authorises such person to fish for the species specified in sub-regulation (2).
- (2) Notwithstanding anything to the contrary, a person in possession of a fishing permit contemplated in sub-regulation (1)—
 - (a) may only undertake linefishing and spearfishing for the species specified in Annexure 2 to these regulations, when fishing in the Controlled-Pelagic Linefish Zone; and
 - (b) may only undertake—
 - (i) linefishing and spearfishing in a Controlled Zone; or
 - (ii) beach seine net fishing for small pelagic fish during the sardine run season from 1 May to 30 September each year in a Controlled Zone,

subject to species restrictions, quantity, fish size limits, allowable effort, closed seasons and bag limits authorised by such fishing permit.
- (3) Subject to sub-regulation (4), no person may fish for any shark, or skate or ray species (Subclass Elasmobranchii) within the Marine Protected Area.
- (4) Catch and release fishing of any shark species (Elasmobranchii), may only take place from the shore within any Controlled Zone.
- (5) Notwithstanding anything to the contrary, any person in possession of a fishing permit contemplated in sub-regulation (1), in respect of fishing in the Illovo Offshore Controlled Zone (IOCZ), may not fish for or be in possession of any species other than those on the list in

Annexure 2 to these regulations, during the period 1 August to 31 October of any year.

- (6) No person may undertake fishing from a vessel in a Controlled or the Controlled-Pelagic Linefish Zones in the period between sunset in the evening and sunrise of the following day.
- (7) Fishing gear onboard a vessel or in possession of any person that enters or is present in a Controlled or Controlled-Pelagic Linefish Zone and who is not authorised to fish in terms of sub-regulation (1), must be stowed in accordance with regulation 7(2) and 7(3).
- (8) No person may collect broodstock in a Controlled or Controlled-Pelagic Linefish Zone for undertaking aquaculture, without a permit from the Minister.
- (9) When considering a permit in terms of sub-regulation (8) the Minister must take into account the following factors:
 - (a) whether the species is listed as a threatened or protected species in terms of the Threatened or Protected Marine Species Lists and any prohibitions or restrictions therein;
 - (b) whether the species has been listed on an International Union for the Conservation of Nature Red list, including an international, regional, or national Red List;
 - (c) the objectives of this Marine Protected Area;
 - (d) whether the species can be collected outside the Marine Protected Area; and
 - (e) any other relevant criteria.
- (10) No person may, in a Controlled-Pelagic Linefish Zone, be in possession of or have on board a vessel, any fish, except for the species listed in Annexure 2 to these regulations.
- (11) No person may undertake purse-seine and purse-net fishing within the Marine Protected Area.
- (12) No person may, in any Controlled or Controlled-Pelagic Linefish Zone, chum for or in any other manner, attract any shark species (Elasmobranchii) for the purpose of snorkeling or SCUBA diving with such species, without a permit.

- (13) Application for a permit referred to in sub-regulation (11) must be made to the Minister and may be issued subject to conditions.
- (14) No person may arrange, organise, or participate in any fishing competition in the Marine Protected Area, unless authorised by the Minister in writing.

9. SCUBA diving

- (1) No person may operate or attempt to operate a SCUBA diving business in the Marine Protected Area, without a permit.
- (2) Application for a permit referred to in sub-regulation (1) must be made to the Minister and may be issued subject to conditions.
- (3) Any vessel that has deployed divers in the Marine Protected Area must display an alpha flag.

10. Discharge into Marine Protected Area

- (1) Any existing discharge of effluent occurring at the date of commencement of these regulations, as contemplated in section 69 of the Integrated Coastal Management Act, is hereby authorised to continue within the Marine Protected Area, provided such discharge is authorised in terms of section 69 of the Integrated Coastal Management Act.
- (2) No new discharges of effluent occurring after the date of commencement of these regulations, as contemplated in terms of section 69 of the Integrated Coastal Management Act may be authorised and are prohibited in accordance with section 48A of the Act.
- (3) The volume, quantity or constituents of an existing discharge as contemplated in sub-regulation (1), may not increase by more than 5%, from what is authorised in terms of section 69 of the Integrated Coastal Management Act, at the time of commencement of these regulations.

11. Suspension, amendment and cancellation of permits

- (1) Subject to sub-regulations (2) and (3), a permit issued under these regulations may be suspended, cancelled or amended at any time.

- (2) A permit issued in terms of these regulations may be suspended, cancelled or amended, if—
 - (a) the Minister is satisfied on the basis of information that was not considered when the permit was issued, that it is necessary or desirable to suspend, cancel or amend the permit to prevent deterioration or further deterioration of the environment within the Marine Protected Area;
 - (b) other similar permits held by other persons have also been reviewed and the suspension, cancellation or amendment does not unfairly discriminate against the holder in relation to other holders of similar permits;
 - (c) the permit holder is in breach of a condition contained in the permit;
 - (d) the permit holder provided incorrect or false information in the application for the permit;
 - (e) the holder of a permit has been convicted of an offence in terms of the Act, the National Environmental Management Act or a specific environmental management act or any regulations issued thereunder; or
 - (f) the reason for the issuing of the permit no longer exists.
- (3) A permit issued in terms of these regulations may be amended—
 - (a) if an error needs to be corrected or rectified;
 - (b) at the request of the applicant;
 - (c) for the proper management and implementation of these regulations; or
 - (d) where the conditions or circumstances have changed since the original permit was issued.

12. Offences and penalties

In addition to any offence in terms of section 89 of the Act, any person who contravenes or fails to comply with—

- (a) regulations 3(1), 4, 5(1), 5(4) to 5(7), 6, 7, 8(1) to 8(8), 8(10), 8(11), 8(12), 8(14), 9(1), 9(3), or 10;
- (b) a condition mentioned in a permit issued in terms of these regulations; or
- (c) a prohibition, instruction, rule or order imposed, given or issued under these regulations,

is guilty of an offence and liable in the case of a first conviction to a fine not exceeding R5 million or to imprisonment for a period not exceeding five years and in the case of a second or subsequent conviction to a fine not exceeding R10 million or imprisonment for a period not exceeding 10 years or in both instances to both a fine and such imprisonment.

13. Withdrawal and repeal

The Regulations for the Management of the Aliwal Shoal Marine Protected Area as published in *Government Gazette* 26433 Notice No. 697 of 4 June 2004 are hereby repealed.

14. Short title and commencement

These regulations are called the Aliwal Shoal Marine Protected Area Regulations and shall commence on 1 August 2019.

Annexure 1
(Zonation of Aliwal Shoal Marine Protected Area)

INSHORE

- (1) **Umkomaas Inshore Controlled Zone (UICZ)** comprises the northern inshore portion of the Aliwal Shoal Marine Protected Area located north of the Green Point Inshore Restricted Zone and is defined as the area stretching 200 m seawards from the high water mark and along the high-water mark, between point A, which lies on the northern boundary of the Aliwal Shoal Marine Protected Area, near the south bank of the Lovu Estuary to point S, which lies at the southern end of the rocky point just north of the Mahlongwana Estuary and includes the Mgababa and Umkomaas beach areas.
- (2) **Green Point Inshore Restricted Zone (GPIRZ)** comprises an inshore portion of the Aliwal Shoal Marine Protected Area between Greenpoint and the Mahlongwana Estuary (including Clansthal Beach and Hayes Rock) and is defined as the section 200 m seawards from the high water mark and along the high-water mark, between point S, which lies at the southern end of the rocky point just north of the Mahlongwana Estuary and points T, which lies at the white beacon on the Green Point Rocks.
- (3) **Scottburgh Inshore Controlled Zone (SICZ)** comprises the southern inshore portion of the Aliwal Shoal Marine Protected Area located between the two Inshore Restricted Zones, and stretching 200 m seawards from the high water mark and along the high-water mark, between point T, which lies at the white beacon on the Green Point Rocks, and point U, which lies at the start of the rocky point at the southern end of the Rocky Bay Caravan Park.
- (4) **Rocky Bay Inshore Restricted Zone (RBIRZ)** comprises an inshore portion of the Aliwal Shoal Marine Protected Area and stretches 200 m seawards from the high water mark and along the high-water mark, between point U, which lies at the start of the rocky point at the southern end of the Rocky Bay Caravan Park and point E, which lies on the north bank of the Mzimayi Estuary at the southern boundary of the Aliwal Shoal Marine Protected Area.

Inshore Zonation

A	
UICZ	
S	GPIRZ
T	
SICZ	
RBIRZ	E

Zonation

- Controlled
- Controlled-Pelagic Linefish with List
- Restricted

0 5 Kilometers

The map shows the coastline from Lovu in the north to Nkomba in the south. Key locations include Umgababa, Umgababa, Ngane, Umkomaas, Mahlongwana, Green Point, Mahlongwa, Mpambanyoni, Park Rynie, and Nkomba. A grid system with letters A through Q and numbers 1 through 6 is overlaid on the map. A legend indicates three types of zonation: Controlled (white), Controlled-Pelagic Linefish with List (diagonal lines), and Restricted (cross-hatched). A scale bar shows 0 to 5 kilometers. A north arrow is present.

Figure 1: Alival Shoal MPA Inshore zonation

OFFSHORE

- (1) **Aliwal Shoal Offshore Restricted Zone (ASORZ)** comprises an offshore portion of the Aliwal Shoal Marine Protected Area and is defined as the area within straight lines sequentially joining the points; K, L, M, N, O, B, C, P, Q and joining the first co-ordinate to the last.
- (2) **Ngane Offshore Restricted Zone (NORZ)** comprises of an offshore block within the Aliwal Shoal Marine Protected Area and is defined as the area within straight lines sequentially joining the points G, H, I, J and joining the first co-ordinate to the last.
- (3) **Produce Offshore Restricted Zone (PORZ)** is defined as the area including the wreck of the Produce vessel within straight lines sequentially joining the following four points: a, b, c, d and joining the first co-ordinate to the last.
- (4) **Crown Offshore Restricted Zone (CORZ)** comprises the Crown Area of Aliwal Shoal defined by the area enclosed by the following points, which lie approximately on the 25 meter isobath. The demarcation points are within straight lines sequentially joining the following: e, f, g, h, i, j, k, l, m, n, o, p, q and joining the first co-ordinate to the last.
- (5) **Aliwal Shoal Offshore Controlled-Pelagic Linefish Zone (ASOCPLZ)** comprises a central offshore portion of the Aliwal Shoal Marine Protected Area and is defined as the area seawards within straight lines sequentially joining the following points: F, K, Q, R and joining the first co-ordinate to the last, along the line 200 m from the high-water mark. This area starts beyond the inshore zones (which extend to 200 m offshore of the high water mark) and extends between the Ngane and Mpambanyoni Estuaries.
- (6) **Illovo Offshore Controlled Zone (IOCZ)** comprises the northern offshore portion of the Aliwal Shoal Marine Protected Area and is defined as the area within straight lines sequentially joining the following points: W, O, N, M, L, F and joining the first co-ordinate to the last along the line 200 m from the high-water mark. This area starts beyond the inshore zones (which extend to 200 m offshore of the high water mark).
- (7) **Park Rynie Offshore Controlled Zone (PROCZ)** comprises the southern offshore portion of the Aliwal Shoal Marine Protected Area and is defined as the area within straight lines sequentially joining the following points: R, Q, P, D, V and joining the first co-ordinate to the last along the line 200 m from the high-water mark. This area starts beyond the inshore zones (which extend to 200 m offshore of the high water mark).

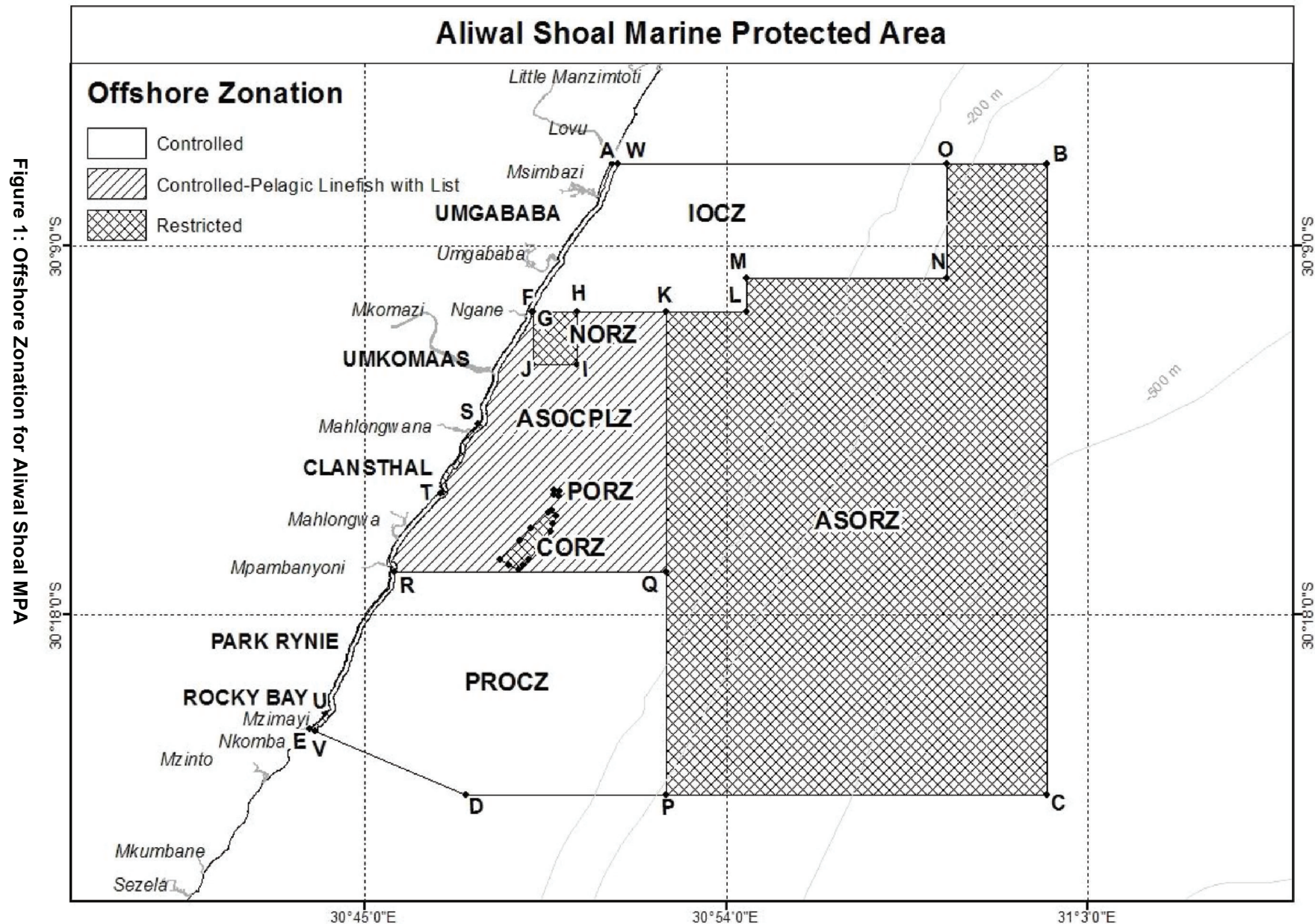


Figure 1: Offshore Zonation for Aliwal Shoal MPA

Figure 2: Aliwal Shoal Offshore Restricted Zones

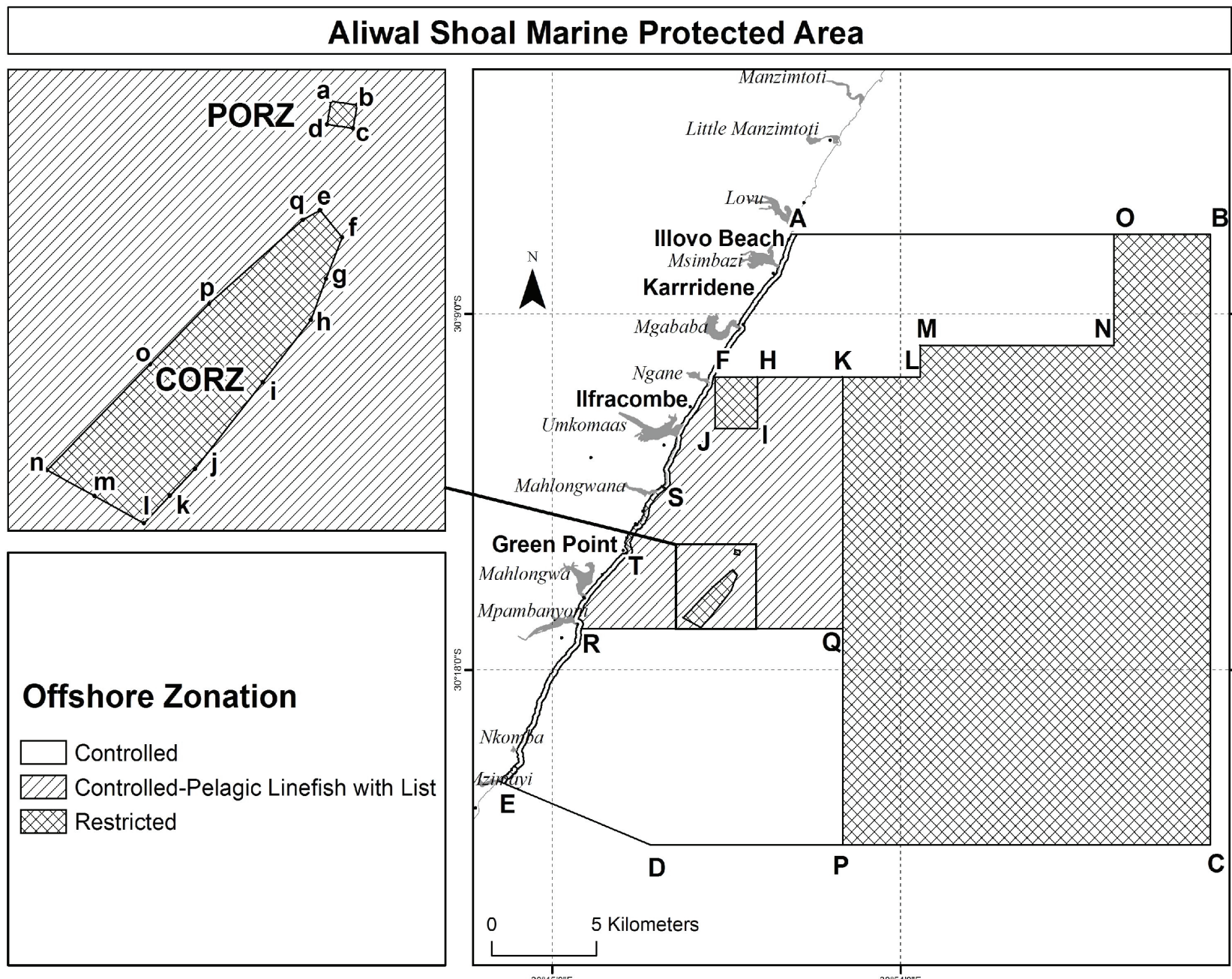


Table 1: Table of co-ordinates for the Aliwal Shoal Marine Protected Area

	POINT	X	Y
Aliwal Shoal MPA	A	30.853	-30.116663
Aliwal Shoal MPA	B	31.0333	-30.116663
Aliwal Shoal MPA	C	31.0333	-30.3735
Aliwal Shoal MPA	D	30.7922	-30.3735
Aliwal Shoal MPA	E	30.727334	-30.34694
Aliwal Shoal MPA	F	30.8195	-30.176677
Aliwal Shoal MPA	G	30.82	-30.176677
Aliwal Shoal MPA	H	30.8383	-30.176677
Aliwal Shoal MPA	I	30.8383	-30.198333
Aliwal Shoal MPA	J	30.82	-30.198333
Aliwal Shoal MPA	K	30.875	-30.176677
Aliwal Shoal MPA	L	30.9083	-30.176677
Aliwal Shoal MPA	M	30.9083	-30.163333
Aliwal Shoal MPA	N	30.9917	-30.163333
Aliwal Shoal MPA	O	30.9917	-30.116663
Aliwal Shoal MPA	P	30.875	-30.3735
Aliwal Shoal MPA	Q	30.875	-30.282667
Aliwal Shoal MPA	R	30.7625	-30.282667
Aliwal Shoal MPA	S	30.797104	-30.222544
Aliwal Shoal MPA	T	30.781543	-30.250856
Aliwal Shoal MPA	U	30.733517	-30.340509
Aliwal Shoal MPA	V	30.729295	-30.347744
Aliwal Shoal MPA	W	30.8551	-30.116663
Aliwal Shoal MPA	a	30.828708	-30.24947
Aliwal Shoal MPA	b	30.830768	-30.249757
Aliwal Shoal MPA	c	30.830445	-30.251547
Aliwal Shoal MPA	d	30.828383	-30.251265
Aliwal Shoal MPA	e	30.827843	-30.257905
Aliwal Shoal MPA	f	30.829592	-30.260003
Aliwal Shoal MPA	g	30.828297	-30.26319
Aliwal Shoal MPA	h	30.827115	-30.266367
Aliwal Shoal MPA	i	30.823323	-30.271167
Aliwal Shoal MPA	j	30.817967	-30.277883
Aliwal Shoal MPA	k	30.815973	-30.279955
Aliwal Shoal MPA	l	30.81391	-30.282097
Aliwal Shoal MPA	m	30.81	-30.280002
Aliwal Shoal MPA	n	30.806273	-30.277995
Aliwal Shoal MPA	o	30.814397	-30.26981
Aliwal Shoal MPA	p	30.819042	-30.265128
Aliwal Shoal MPA	q	30.82649	-30.258627

Annexure 2

Pelagic fish species list for the Aliwal Shoal Controlled-Pelagic Linefish Zone.

Family names are given as all species in these families may be caught or used as bait.

Atherinidae – silversides
Belonidae – garfish
Carangidae – kingfish, garrick, yellowtail, queenfish, etc.
Chirocentridae – wolf herring/slimy
Clupeidae – red-eyes, sardines, etc.
Coryphaenidae – Dorado
Engraulidae – anchovies, glass-noses/bonies, etc.
Exocoetidae - flyingfishes
Hemiramphidae – halfbeaks
Istiophoridae – Sailfish and marlin
Pomatomidae – Shad/elf
Rachycentridae – Prodigal son/Cobia
Scomberesocidae - sauries
Scombridae – Tunas, mackerels, wahoo, etc.
Sphyrnidae – Barracudas