



agriculture, forestry & fisheries

Department
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

25 October 2016

NOTICE TO ALL APPLICANTS FOR FISHING RIGHTS IN THE SEAWEED SECTOR: FRAP 2015/16.

Re: Identification of the Seaweed Rights Area(s) and species/type of Seaweed applied for:

The Department of Agriculture, Forestry and Fisheries; Branch: Fisheries Management (“the Department”) has received your application for a seaweed right and in order to process your application further the Department requires additional information, particularly to your preferred area and type of Seaweed you wish to harvest.

You are therefore requested to complete the table and return the completed table to the Department as a matter of urgency. Failure to submit the requested information will mean that the Department will not be able to process your application further. Please also note that this does not imply that you will be granted a right or that the Department will be able to accommodate your application in the area(s) you have requested.

Kindly submit your completed table to the Department by no later than **Monday, 31 October 2016** either by hand or email or facsimile at the following address:

- Hand deliver at the Customer Service Centre, Ground Floor, Foretrust Building, Martin Hammerschlag Way, Foreshore, Cape Town
- Fax: 021 402 3618
- Email: FRAPenq_2015_16@daff.gov.za

Table: Checklist of rights area(s) and available resources

You can choose a maximum of three areas and only one resource per area. Use a number, i.e., 1 to indicate your first preference use a number, i.e., 2 for the second preference and a number, i.e., 3 for the third preference.

Rights Area	Seaweed Resource	Place your selection (1 or 2 or 3)
1	<i>Gelidium</i> spp	
2	<i>Gelidium</i> spp	
3	<i>Gelidium</i> spp	
4	<i>Gelidium</i> spp	
4	Mixed beachcast	
5	Kelp	
5	Mixed beachcast	
5	<i>Ulva/Porphyra</i>	
6	Kelp	
6	<i>Ulva/Porphyra</i>	
7	Kelp	
7	<i>Ulva/Porphyra</i>	
8	Kelp	
8	<i>Ulva/Porphyra</i>	
9	Kelp	
9	<i>Ulva/Porphyra</i>	
10	Kelp	
10	<i>Ulva/Porphyra</i>	
11	Kelp	
11	<i>Ulva/Porphyra</i>	
11	<i>Gracilaria</i>	
12	Kelp	
12	<i>Ulva/Porphyra</i>	
12	<i>Gracilaria</i>	
13	Kelp	
13	<i>Ulva/Porphyra</i>	
14	Kelp	
14	<i>Ulva/Porphyra</i>	
15	Kelp	

Rights Area	Seaweed Resource	Place your selection (1 or 2 or 3)
15	<i>Ulva/Porphyra</i>	
16	Kelp	
16	<i>Ulva/Porphyra</i>	
17	<i>Gracilaria</i>	
18	Kelp	
18	<i>Ulva/Porphyra</i>	
19	Kelp	
19	<i>Ulva/Porphyra</i>	
20	<i>Gelidium spp</i>	
21	<i>Gelidium spp</i>	
22	<i>Gelidium spp</i>	
23	<i>Gelidium spp</i>	

Notes

1. Please refer to Government Gazette Number 39417 (16 November 2015) for boundaries of Seaweed Rights Areas (see attached map and description).
2. Area 18 and 19 are challenging areas to access as they are in restricted diamond areas.

Applicant name	
RSA ID number or Company registration number	
Application number	
Signature of applicant	
DATE:	

For all FRAP Enquiries

The Call Centre number is 021 402 3727 (FRAP)

An anonymous tip-off line has been set up to deter fraudulent and unethical practices, the tip-off line is 0800 203 785

APPENDIX A

Concession areas

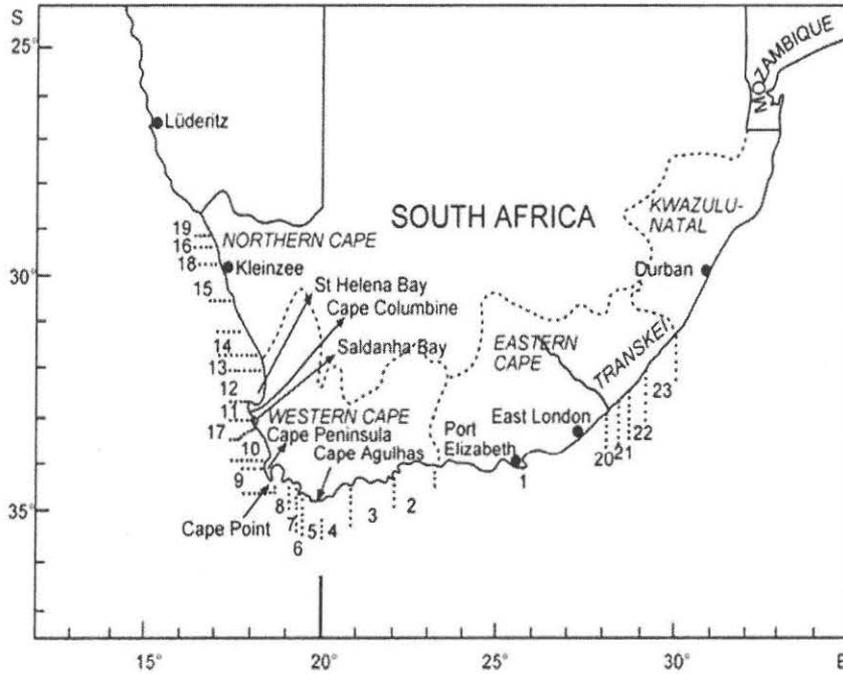


Figure 1: The map showing the Seaweed concession areas.

Area 1 (*Gelidium* right)

1. Boundaries of Concession Area:
Kei River (32° 40' 28" S, 28° 23' 00" E) to Cape Seal (34° 01' 12" S, 23° 24' 48" E).
2. Functional group/genus/species:
Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium*
("G. cartilagineum/G. versicolor")
3. Harvesting/collecting method:
By hand (picking).
4. Maximum Yield:
Not applicable (effort-controlled).

Area 2 (*Gelidium* right)

1. Boundaries of Concession Area:
Cape Seal (34° 01' 12" S, 23° 24' 48" E) to Cape St Blaize (34° 10' 16" S, 22° 05' 30" E).
2. Functional group/genus/species:
Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium*
("G. cartilagineum/G. versicolor")
3. Harvesting/collecting method:
By hand (picking).
4. Maximum Yield:
Not applicable (effort-controlled).
5. Comments:
Poor resource: low biomass, poor access, MPAs.

Area 3 (*Gelidium* right)

1. Boundaries of Concession Area:
Cape St Blaize (34° 10' 16" S, 22° 05' 30" E) to the eastern bank of the Breede River River
(34° 24' 00" S, 20° 50' 00" E).
2. Functional group/genus/species:
Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium*
("G. cartilagineum/G. versicolor")
3. Harvesting/collecting method:
By hand (picking).
4. Maximum Yield:
Not applicable (effort-control)
5. Comments.
Limited resource: only a few good sub-areas.

Area 4 (*Gelidium* right)

1. Boundaries of Concession Area:
Western bank of the Breede River River (34° 24' 40" S, 20° 50' 00" E) to Cape Agulhas (34°
49' 40" S, 20° 00' 40" E).
2. Functional group/genus/species:

Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium*
("G. cartilagineum/G. versicolor")

3. Harvesting/collecting method:
By hand (picking).

4. Maximum Yield:
Not applicable (effort-control)

5. Comments:
Poor resource: low biomass, poor access, MPAs.

Area 4: (Mixed beach-cast seaweed right).

1. Boundaries of Concession Area:
Western bank of the Breede River (34° 24' 40" S, 20° 50' 00" E) to Cape Agulhas (34° 49' 40" S, 20° 00' 40" E).

2. Functional group/genus/species:
Mixed beach-cast seaweeds (all species including kelp).

3. Harvesting/collecting method:
Beach-cast seaweeds: all or any parts of beach-cast plants may be collected by hand, shovel, rakes, etc.
No attached seaweeds may be picked.

4. Maximum Yield:
Not applicable (effort-controlled).

5. Comments:
Sometimes collected for abalone feed.

Area 5 (kelp right)

1. Boundaries of Concession Area:
Cape Agulhas (34° 49' 40" S, 20° 00' 40" E) to the eastern bank of the Uilenkraal River (34° 36' 24" S, 19° 24' 36" E).
Harvesting exclusion zones. Note that **no kelp harvesting** is permitted in the following areas:
From Oubaai (34° 47' 00" S, 19° 39' 30" E) to Cape Agulhas; from Sandy Point (34° 39' 20" S, 19° 27' 06" E) to the eastern bank of the Uilenkraal River.

2. Functional group/genus/species:
Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:
3.a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.
3.b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, from a boat or from the shore. Note that most of this area falls within a Diving Ban area which extends from Gansbaai Harbour to Quoin Point. Harvesters may not use, or be in possession of, underwater breathing apparatus.

4. Maximum Yield: as specified in annual permit.
Beach-cast kelp: no limit.

5. Comments:
2014/15 kelp TAC:

Kelp fronds: A maximum of 2625 tonnes fresh weight of kelp fronds may be harvested in one year

Whole kelp plants (fronds plus stipes): a maximum of 0 tonnes per year.

Area 5: mixed beach-cast seaweed right (excluding kelp)

1. Boundaries of Concession Area:

Cape Agulhas (34° 49' 40" S, 20° 00' 40" E) to the eastern bank of the Uilenkraal River (34° 36' 24" S, 19° 24' 36" E).

2. Functional group/genus/species

Mixed beach-cast seaweeds, all species **excluding kelp**.

3. Harvesting/collecting method:

Beach-cast seaweeds: all or any parts of beach-cast plants may be collected by hand, shovel, rakes, etc.

No attached seaweeds may be picked.

4. Maximum Yield:

Not applicable: effort-controlled.

5. Comments:

Occasionally collected for abalone feed in the past.

Area 5 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

Cape Agulhas (34° 49' 40" S, 20° 00' 40" E) to the eastern bank of the Uilenkraal River (34° 36' 24" S, 19° 24' 36" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 6 (kelp right)

1. Boundaries of Concession Area:

Western bank of the Uilenkraal River (34° 36' 24" S, 19° 24' 36" E) to the eastern bank of the Mossel River (34° 24' 30" S, 19° 16' 24" E) on the mainland and Dyer Island and its neighbouring reefs.

Harvesting exclusion zones. Note that **no kelp harvesting** is permitted in the following areas: From Stanford's Cove (34° 34' 06" S, 19° 21' 20" E) to Voorsteklip (34° 31' 00" S, 19° 22' 20" E); from Blousloep (34° 36' 50" S, 19° 23' 18" E) to the western bank of the Uilenkraal River; within 500m of Dyer Island.

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3.a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3.b. Harvesting of live (fresh) kelp: Note that most of this area falls within a Diving Ban area which extends from Gansbaai Harbour to Quoin Point. Therefore from Gansbaai Harbour to the Uilenkraal River, and at Dyer Island, **only non-lethal harvesting** of kelp fronds is permitted. Harvesting of fronds must be done by hand, using a knife or sickle. The secondary blades (fronds) must be cut at least 25 cm from their junction with the primary blade. No cutting of the stipe, bulb or primary blade is permitted. In this area harvesters may not use, or be in possession of, underwater breathing apparatus. From Gansbaai Harbour to the Mossel River there is no diving ban and the harvesting of whole kelp (**lethal harvesting**) is permitted. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp: as specified in annual permit.

5. Comments:

2014/15 kelp TAC:

A maximum of 4592 tonnes fresh weight of kelp fronds may be harvested in one year, comprising 3504 tonnes from mainland kelp beds, and 1088 tonnes from Dyer Island and associated reefs.

Area 6 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

Western bank of the Uilenkraal River (34° 36' 24" S, 19° 24' 36" E) to the eastern bank of the Mossel River (34° 24' 30" S, 19° 16' 24" E) excluding Dyer Island and its neighbouring reefs.

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible

Area 7 (kelp rights)

1. Boundaries of Concession Area:

Western bank of the Mossel River (34° 24' 30" S, 19° 16' 24" E) to the eastern bank of the Bot River estuary mouth (34° 22' 00" S, 19° 06' 00" E).

Harvesting exclusion zones.

Note that **no kelp harvesting** is permitted in the following areas:

From the Hermanus New Harbour (34° 26' 00" S, 19° 13' 30" E) to the western bank of the Mossel River (34° 24' 30" S, 19° 16' 24" E); from Skulphoek (34° 26' 10" S, 19° 12' 14" E) to a point in line with the Sandbaai main road (34° 25' 40" S, 19° 11' 37" E) (i.e. within Sandbaai).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3.a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3.b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: As specified in annual permit. Whole kelp plants (fronds plus stipes): As specified in annual permit.

5. Comments:

Kelp TAC 2014/2015:

A maximum of 710 tonnes fresh weight of kelp fronds may be harvested in one year, OR Whole kelp plants (fronds plus stipes): A maximum of 1421 tonnes of whole kelp may be harvested in one year.

Area 7 (*Ulva/ Porphyra* right)

1. Boundaries of Concession Area:

Western bank of the Mossel River (34° 24' 30" S, 19° 16' 24" E) to the eastern bank of the Bot River estuary mouth (34° 22' 00" S, 19° 06' 00" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible

Area 8 (kelp right)

1. Boundaries of Concession Area:

Western bank of the bank of the Bot River estuary mouth (34° 22' 00" S, 19° 06' 00" E) to Swartklip (34° 04' 29" S, 18° 41' 12" E).

Harvesting exclusion zones.

Note that **no kelp harvesting** is permitted in the following areas:

In the Bettys' Bay Marine Reserve i.e. from Stony Point (34° 22' 28" S, 18° 53' 45" E) to Beacon B4 on the eastern side of Jock Se Baai (Dawidskraal) (34° 21' 24" S, 18° 56' 17" E).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: As specified in annual permit

5. Comments:

2014/2015 kelp TAC: A maximum of 1 024 tonnes fresh weight of kelp fronds may be harvested in one year, OR

Whole kelp plants (fronds plus stipes): A maximum of 2 048 tonnes of whole kelp may be harvested in one year..

Area 8 (*Ulva/ Porphyra* right)

1. Boundaries of Concession Area:

Western bank of the bank of the Bot River estuary mouth (34° 22' 00" S, 19° 06' 00" E) to Swartklip (34° 04' 29" S, 18° 41' 12" E).

Harvesting exclusion zones.

Note that **no kelp harvesting** is permitted in the following areas:

In the Bettys' Bay Marine Reserve i.e. from Stony Point (34° 22' 28" S, 18° 53' 45" E) to Beacon B4 on the eastern side of Jock Se Baai (Dawidskraal) (34° 21' 24" S, 18° 56' 17" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible

Area 9 (kelp right)

1. Boundaries of Concession Area:

From Simonstown municipal border at Rocklands (34° 13' 00" S, 18° 28' 00" E) to Klein Koeelbaai near Bakoven (33° 57' 38" S, 18° 22' 20" E).

Permitted harvesting zone:

Kelp harvesting is permitted in the Soetwater/Kommetjie area.

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield from Soet water area.

Beach-cast kelp: no limit.

Kelp fronds: as specified in annual permit.

5. Comments:

2014/2015 kelp TAC:

A maximum of 1 030 tonnes fresh weight of kelp fronds may be harvested in one year OR

Whole kelp plants (fronds plus stipes): A maximum of 2 060 tonnes of whole kelp may be harvested in one year.

Area 9 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

From Simonstown municipal border at Rocklands (34° 13' 00" S, 18° 28' 00" E) to Klein Koeelbaai near Bakoven (33° 57' 38" S, 18° 22' 20" E), excluding MPAs..

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible. Note that much of this area lies in MPAs.

Area 10 (kelp right)

1. Boundaries of Concession Area:

CCC boundary south of Blouberg (33° 48' 48" S, 18° 28' 00" E) to South Head, Saldanha (33° 06' 18" S, 17° 57' 18" E) . .

Harvesting exclusion zone

Note that **no kelp harvesting** is permitted in the following areas:

South Head (33° 06' 18" S, 17° 57' 18" E) to Black Rock (33° 09' 44" S, 18° 01' 20" E), off Dassen Island, off Robben Island.

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.
3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: as specified in annual permit.

5. Comments:

2014/2015 kelp TAC:

A maximum of 94 tonnes fresh weight of kelp fronds may be harvested in one year, OR Whole kelp plants (fronds plus stipes): A maximum of 188 tonnes of whole kelp may be harvested in one year.

Area 10 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

CCC boundary south of Blouberg (33° 48' 48" S, 18° 28' 00" E) to South Head, Saldanha (33° 06' 18" S, 17° 57' 18" E).

Harvesting exclusion zone

Note that **no harvesting** is permitted in the following areas:

South Head (33° 06' 18" S, 17° 57' 18" E) to Black Rock (33° 09' 44" S, 18° 01' 20" E), off Dassen Island, off Robben Island.

2. Functional group/species
Ulva species, *Porphyra* species

3. Harvesting/collecting method:
Picking by hand

4. Maximum yield
As specified in annual permit.

5. Comments.
Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 11 (Kelp right)

1. Boundaries of Concession Area:
North Head (Schooner Rock), Saldanha (33° 03' 05" S, 17° 54' 36" E) to the southern bank of the Berg River (32° 46' 12" S, 18° 08' 42" E).

2. Functional group/genus/species:
Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:
3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.
3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.
Kelp fronds: as specified in annual permit.

5. Comments.
2014/2015 kelp TAC:
A maximum of 1543 tonnes fresh weight of kelp fronds may be harvested in one year, OR
Whole kelp plants (fronds plus stipes): A maximum of 3085 tonnes of whole kelp may be harvested in one year.

Area 11 (*Gracilaria* right)

1. Boundaries of Concession Area:
North Head (Schooner Rock), Saldanha (33° 03' 05" S, 17° 54' 36" E) to the southern bank of the Berg River (32° 46' 12" S, 18° 08' 42" E).

2. Functional group/genus/species:
Beach-cast *Gracilaria*

3. Harvesting/collecting method:
Beach-cast *Gracilaria* only: all or any parts of beach-cast plants may be collected by hand, rakes, etc.
No harvesting of live (fresh) material by diver is permitted.

4. Maximum Yield.
Not applicable.

5. Comments.
Very occasional wash-ups south of the Berg River. Should be collected together with *Gracilaria* in Area 12.

Area 11 (*Ulva/Porphyra* rights)

1. Boundaries of Concession Area:

North Head (Schooner Rock), Saldanha (33° 03' 05" S, 17° 54' 36" E) to the southern bank of the Berg River (32° 46' 12" S, 18° 08' 42" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

A maximum of 2 tons fresh weight of *Ulva* spp. and 5 tonnes of *Porphyra* spp. may be harvested in one year.

Area 12 (kelp right)

1. Boundaries of Concession Area:

North bank of the Berg River (32° 46' 06" S, 18° 08' 48" E) to the southern border of Lambert's Bay (32° 06' 00" S, 18° 18' 12" E) .

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.
3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: as specified in annual permit.

5. Comments.

2014/2015 TAC: A maximum of 25 tonnes fresh weight of kelp fronds may be harvested in one year, OR

Whole kelp plants (fronds plus stipes): A maximum of 50 tonnes of whole kelp may be harvested in one year.

Area 12 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

North bank of the Berg River (32° 46' 06" S, 18° 08' 48" E) to the southern border of Lambert's Bay (32° 06' 00" S, 18° 18' 12" E) .

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 12 (*Gracilaria/Gracilariopsis* right)

1. Boundaries of Concession Area:
North bank of the Berg River (32° 46' 06" S, 18° 08' 48" E) to the southern border of Lambert's Bay (32° 06' 00" S, 18° 18' 12" E).
2. Functional group/species
Gracilaria/Gracilariopsis species – beach-cast material only
3. Harvesting/collecting method:
By hand, rakes, forks, mechanical means, etc.
No harvesting of attached *Gracilaria/Gracilariopsis* from the subtidal zone is permitted.
4. Maximum Yield.
No limit.
5. Comments.
Wash-ups are occasional and unpredictable.

Area 13 (kelp right)

1. Boundaries of Concession Area:
Groothoek Bay (31° 54' 36" S, 18° 16' 22" E) to the southern bank of the Olifant's River (31° 42' 36" S, 18° 11' 15" E).
2. Functional group/genus/species:
Kelp (*Ecklonia maxima* and *Laminaria pallida*)
3. Harvesting/collecting method:
 3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.
 3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.
4. Maximum Yield.
Beach-cast kelp: no limit.
Kelp fronds: as specified in annual permit.
5. Comments.
2014/2015 kelp TAC:
A maximum of 57 tonnes fresh weight of kelp fronds may be harvested in one year, OR
Whole kelp plants (fronds plus stipes): A maximum of 113 tonnes of whole kelp may be harvested in one year.

Area 13 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:
Groothoek Bay (31° 54' 36" S, 18° 16' 22" E) to the southern bank of the Olifant's River (31° 42' 36" S, 18° 11' 15" E).
2. Functional group/species
Ulva species, *Porphyra* species
3. Harvesting/collecting method:
Picking by hand
4. Maximum yield
As specified in annual permit.
5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 14 (kelp right)

1. Boundaries of Concession Area:

Northern bank of the Olifant's River (31° 42' 04" S, 18° 11' 15" E) to the southern bank of the Groen River (30° 51' 00" S, 17° 34' 36" E).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: as specified in annual permit.

5. Comments.

2014/2015 kelp TAC:

A maximum of 310 tonnes fresh weight of kelp fronds may be harvested in one year, OR

Whole kelp plants (fronds plus stipes): A maximum of 620 tonnes of whole kelp may be harvested in one year.

Area 14 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

Northern bank of the Olifant's River (31° 42' 04" S, 18° 11' 15" E) to the southern bank of the Groen River (30° 51' 00" S, 17° 34' 36" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 15 (kelp right)

1. Boundaries of Concession Area:

Security fence at Mitchell's Bay near the mouth of the Spoeg River (30° 27' 54" S, 17° 21' 22" E) to the angling club slipway at Kleinzee (29° 42' 48" S, 17° 03' 24" E).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: as specified in annual permit.

5. Comments.

2014/2015 kelp TAC:

A maximum of 1100 tonnes fresh weight of kelp fronds may be harvested in one year, OR Whole kelp plants (fronds plus stipes): A maximum of 2200 tonnes of whole kelp may be harvested in one year.

Area 15 (*Ulva/Porphyra* right)**1. Boundaries of Concession Area:**

Security fence at Mitchell's Bay near the mouth of the Spoeg River (30° 27' 54" S, 17° 21' 22" E) to the angling club slipway at Kleinzee (29° 42' 48" S, 17° 03' 24" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 16 (kelp right)**1. Boundaries of Concession Area:**

Northern border of the farm Oubeep south of McDougall's Bay (29° 19' 45" S, 16° 54' 38" E) to the border of the proclaimed State Alluvial Diggings just north of Port Nolloth (29° 13' 56" S, 16° 51' 15" E).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3. a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.
3. b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: As specified in annual permit.

Whole kelp plants (fronds plus stipes): As specified in annual permit.

5. Comments.

2014/2015 kelp TAC:

A maximum of 310 tonnes fresh weight of kelp fronds may be harvested in one year, OR Whole kelp plants (fronds plus stipes): A maximum of 620 tonnes of whole kelp may be harvested in one year.

Area 16 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

Northern border of the farm Oubeep south of McDougall's Bay (29° 19' 45" S, 16° 54' 38" E) to the border of the proclaimed State Alluvial Diggings just north of Port Nolloth (29° 13' 56" S, 16° 51' 15" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 17 (*Gracilaria/Gracilariopsis* right)

1. Boundaries of Concession Area:

South Head (33° 06' 18" S, 17° 57' 18" E) to the North Head (Schooner Rock) of Saldanha Bay (33° 03' 05" S, 17° 54' 36" E), including Saldanha Bay but excluding Langebaan Lagoon.

2. Functional group/genus/species:

Beach-cast *Gracilaria/Gracilariopsis*

3. Harvesting/collecting method:

By hand, rakes, forks, mechanical means, etc.

No harvesting of attached *Gracilaria* from the subtidal zone is permitted.

4. Maximum Yield.

No limit.

5. Comments.

Entirely dependent on wash-ups.

Area 17 (beach-cast kelp right)

1. Boundaries of Concession Area:

South Head (33° 06' 18" S, 17° 57' 18" E) to the North Head (Schooner Rock) of Saldanha Bay (33° 03' 05" S, 17° 54' 36" E), including Saldanha Bay but excluding Langebaan Lagoon.

2. Functional group/genus/species:

Beach-cast kelp only

3. Harvesting/collecting method:

By hand.

No harvesting of attached kelp is permitted

4. Maximum Yield.

No limit.

5. Comment.

An unknown but small amount of kelp washes up in this area.

Area 18 (kelp right)

1. Boundaries of Concession Area:

From the slipway at the angling club at Kleinzee (29° 42' 48" S, 17° 03' 24" E) to the northern border of the farm Oubeep, south of McDougall's Bay (29° 19' 45" S, 16° 54' 38" E).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3.a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3.b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: As specified in annual permit.

5. Comments.

2014/2015 kelp TAC:

A maximum of 1464 tonnes fresh weight of kelp fronds may be harvested in one year, OR Whole kelp plants (fronds plus stipes): A maximum of 2928 tonnes of whole kelp may be harvested in one year.

Area 18 (*Ulva/Porphyra* right)

1. Boundaries of Concession Area:

From the slipway at the angling club at Kleinzee (29° 42' 48" S, 17° 03' 24" E) to the northern border of the farm Oubeep, south of McDougall's Bay (29° 19' 45" S, 16° 54' 38" E).

2. Functional group/species

Ulva species, *Porphyra* species

3. Harvesting/collecting method:

Picking by hand

4. Maximum yield

As specified in annual permit.

5. Comments.

Likely harvests of 1-2 tons p.a. of each genus are possible.

Area 19 (kelp right)

1. Boundaries of Concession Area:

From the border of the proclaimed State Alluvial Diggings just north of Port Nolloth (29° 13' 56" S, 16° 51' 15" E) to the southern bank of the Orange River (28° 38' 18" S, 16° 27' 42" E).

2. Functional group/genus/species:

Kelp (*Ecklonia maxima* and *Laminaria pallida*)

3. Harvesting/collecting method:

3.a. Beach-cast kelp: all or any parts of beach-cast plants may be collected by hand.

3.b. Harvesting of live (fresh) kelp: by hand, using a knife or sickle, using a diver or from a boat or the shore. No kelp plants with a stipe less than 50cm long may be cut or harmed.

4. Maximum Yield.

Beach-cast kelp: no limit.

Kelp fronds: As specified in annual permit.

5. Comments.

2014/2015 kelp TAC:

A maximum of 383 tonnes fresh weight of kelp fronds may be harvested in one year, OR
 Whole kelp plants (fronds plus stipes): A maximum of 765 tonnes of whole kelp may be
 harvested in one year

NOTE: Although companies have obtained rights to Area19 in the past, **they have NEVER
 used them because it lies in a diamond area.**

Area 20: (*Gelidium* right)

1. Boundaries of Concession Area:

Kei River (32° 40' 28" S, 28° 23' 00" E) to Qora River (32° 27' 00" S, 28° 40' 24" E)

2. Functional group/genus/species:

Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium* (*G. cartilagineum*/*G.
 versicolor*)

3. Harvesting/collecting method:

By hand (picking) and purchase of material collected from casual pickers.

4. Maximum Yield:

Not applicable (effort-controlled).

5. Comments.

Prior to 2006 yield of up to 20 t dry were obtained, but road access and security problems
 resulted in no yields since then.

Area 21 (*Gelidium* right)

1. Boundaries of Concession Area:

Qora River (32° 27' 00" S, 28° 40' 24" E) to Mbashe River (32° 14' 54" S, 28° 54' 00" E).

2. Functional group/genus/species:

Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium* (*G. cartilagineum*/*G.
 versicolor*)

3. Harvesting/collecting method:

By hand (picking) and purchase of material collected from casual pickers.

4. Maximum Yield:

Not applicable (effort-controlled).

5. Comments.

Unknown amounts of *Gelidium* in this area. Small yields (up to 1 ton dry) in some years since
 2006. There are problems with road access and security.

Area 22 (*Gelidium* right)

1. Boundaries of Concession Area:

Mbashe River (32° 14' 54" S, 28° 54' 00" E) to Mnenu River (31° 48' 24" S, 29° 19' 46" E).

2. Functional group/genus/species:

Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium* (*G. cartilagineum*/*G.
 versicolor*)

3. Harvesting/collecting method:

By hand (picking) and purchase of material collected from casual pickers.

4. Maximum Yield:
Not applicable (effort-controlled).

5. Comments.
Unknown amounts of *Gelidium* in this area. Small yields (up to 6 tons dry) in some years since 2006. There are problems with road access and security.

Area 23 (*Gelidium* right)

1. Boundaries of Concession Area:
Mnenu River (31° 48' 24" S, 29° 19' 46" E) to Mtamvuna River (31° 04' 50" S, 30° 11' 42" E).

2. Functional group/genus/species:
Gelidium pristoides, *G. abbottiorum*, *G. amansii*, *G. pteridifolium* (*G. cartilagineum*/*G. versicolor*)

3. Harvesting/collecting method:
By hand (picking) and purchase of material collected from casual pickers.

4. Maximum Yield:
Not applicable (effort-controlled).

5. Comments.
Unknown amounts of *Gelidium* in this area. No harvesting has been done there in recent years. There are problems with road access and security.