



Ministry of
Forests, Lands, Natural
Resource Operations
and Rural Development

RECEIVED

By FrontCounterBC at 8:47 am, Mar 02, 2021

Wild Aquatic Plant Harvester Licence Application

ATS 575210

This section for internal purposes only

Application #: 2022-001

Application Received Date: Mar 2, 2021

Licence Fee Received Date: FEB 16 2021

Service Code: 1508

Did you apply last year for a Wild Aquatic Plant Harvester Licence? Yes ☐ No ☒

If so, have you submitted your Harvester Record for the previous year? Yes ☐ No ☐

Section 1: Applicant information

Applicant: First Name: Jaron Last Name: Janas

or Company Name: _____

For applicants applying under a company name:

BC Inc. #, BC Registration # or BC Society #: _____

Name of Harvester: _____
(if different from above)

Physical Address: 5225 DOVER ROAD TERRACE B.C. V8G 0C3

Mailing Address: _____
(if different from above)

Telephone Number: 250 631-3224 Cell Number: 250 631-3224

E-mail: CMMUSHROOMS@GMAIL.COM

Licence Fee of \$110.00 included? Yes ☒ No ☐

Section 1: General application information

Year of Harvest: 2022

Is this plant for Human Consumption? Yes ☒ No ☐

What is the end use/product? DRIED SEAWEED PACKAGES FOR
HUMAN CONSUMPTION

Harvest type: (Check the most relevant box)

Spawn on Kelp ☐

Live aquatic Plant Harvest ☒

Other ☐ Please Describe _____

Section 2. Species and quota requested

Quota requested for aquatic plant harvesting:

(You may only apply for one group per application)

		Harvest Quota requested (tonne)
○ Group 1	<i>Macrocystis integrifolia</i>	
	<i>Nereocystis luetkeana</i>	
	<i>Agarum spp.</i>	
	<i>Alaria spp.</i>	
	<i>Costaria costata</i>	
	<i>Cymathere triplicata</i>	
○ Group 2	<i>Egregia menziesii</i>	
	<i>Eisenia arborea</i>	
	<i>Saccharina sessile</i>	
	<i>Laminaria spp.</i>	
	<i>Pleurophycus gardenii</i>	
	<i>Pterygophora californica</i>	
	<i>Agardhiella tenera</i>	
	<i>Ahnfeltia spp.</i>	
	<i>Endocladia muricata</i>	
○ Group 3	<i>Gelidium spp.</i>	
	<i>Gloiopeltis furcata</i>	
	<i>Gracilaria spp.</i>	
	<i>Gracilariopsis sjoestedtii</i>	
	<i>Gymnogongrus spp.</i>	
○ Group 4	<i>Gigartina spp.</i>	
	<i>Iridaea spp.</i>	
	<i>Cystoseira geminata</i>	
○ Group 5	<i>Fucus spp.</i>	
	<i>Sargassum muticum</i>	
	<i>Enteromorpha spp.</i>	
	<i>Monostroma spp.</i>	
○ Group 6	<i>Porphyra spp.</i>	
	<i>Rhodomenia spp.</i>	
	<i>Ulva spp.</i>	
○ Group 7	<i>Phyllospadix spp.</i>	
	<i>Zostera marina</i>	
● Group 8	<i>Salicornia spp.</i>	0.5 TONNE
○ Group 9	Other:	

Section 3. Proposed harvest location

- Management Area information can be found at: www.pac.dfo-mpo.gc.ca/lm-gp/maps-cartes/areas-secteurs/index-eng.html
- only one management area can be applied for per application

DFO Management Area: 4

Subarea(s): 4.2; 4.3; _____; _____; _____; _____; _____;

Describe harvest location: WATERS OF HECTATE STRAIGHT AND EDYE PASSAGE ON THE WEST SIDE OF
PORCHER ISLAND.

If you know the harvest area number you are applying for, please include here: 5488

Map of location included? Yes ☒ No ☐



Section 4: Information and signature:

- All applicable components of this application package must be complete. Incomplete applications will be returned to applicant.
- Applicants may be required to submit a Harvest Plan proposal to further support their Application.
- Aquatic plant harvest applications and fees must be submitted **no later than 4:30pm October 1**. Applications received after the deadline may not be processed.
- A separate licence is required for each Management Area and species group.
- Application Fees of \$110 per application are due upon submission.

Forms of Payment:

- Cheque or money order payable in Canadian funds to Minister of Finance. A service charge of \$30 will be levied for all dishonoured cheques.
- Debit Card (in-person only).
- Visa and MasterCard payments are accepted by FrontCounter BC in-person or over the phone at 877-855-3222.

Submit completed application:

By Email:

Email Subject Line: Aquatic Plant Harvesting Licence application for NAME

Attachments: the application

Email to: WestCoast.LandReferrals@gov.bc.ca

Fees: see "Forms of Payment" section above

In Person:

To any FrontCounter BC office

To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

By Mail:

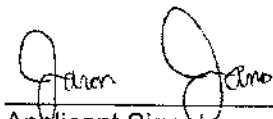
FrontCounter BC, 142-2080 Laboux Road, Nanaimo, BC V9T 6J9

Collection Notice:

Personal information is collected by FrontCounter BC under the legal authority of section 26(a) (c) and (e), and 27(1)(a)(i) of the Freedom of Information and Protection of Privacy Act (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that may also be subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes.

For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3.

I understand that the information supplied will be used to review my applications under the BC Fish and Seafood Act and shared amongst other agencies, First Nations and/or with the public.



Applicant Signature
(or authorized company designate)

JARON JANAS

Print Name

FEB.12 2021

Date Effective

Coast Mountain Mushrooms
5225 Dover Road
Terrace B.C. V8G 0C3
Jaron Janas 250 631-3224

To all Stakeholders

Copyright

Page 06 of 36 to/à Page 09 of 36

Withheld pursuant to/removed as

Copyright

Wild Aquatic Plant Harvest Plan Proposal

Applicant: Jaron Janas

Name of harvester: Jaron Janas

Aquatic Plant(s) proposed to be harvested (as identified in the application form):

Sarcornia Pacifica

Location

General area location: waters of Hecate straight and Edye Passage on the west coast of Porcher is

Specific Location(s) of harvest: shore of west side of Porcher island

GPS coordinates (center):

Harvest area # (if known): 5488

DFO Management Area: 4

Sub area: 4-2, 4-3

Harvesting approach

This section should include:

- Description of the proposed method of harvesting aquatic plants (# of times to harvest per bed, how the plant will be harvested etc.)
- Equipment to be used (e.g. hand harvest with scissors via boat)
- Estimated timing of harvest (e.g. for SoK harvest Mid-February to Mid-May)
- Estimated number of days for harvest (e.g. 6 days total)
- Harvest intensity, specifically the proposed number of visits to a specific location (e.g. any one bed will be harvested only once)
- Any proposed harvest techniques or strategies (e.g. only harvest within dense kelp beds, no harvesting if herring spawn is found anywhere within a bed, harvest the outer edges of a bed)

We would harvest Sarcornia Pacifica in early summer, June most likely the same day we harvest the kelp. We would harvest only once or twice, before it becomes woody. We would use a knife or scissors to cut off lateral branches and no more than 6 cm of the main stem. We would harvest a plant only one time in the year and harvest no more than 20 % of the plants in a bed. This minimal harvest will not impact the plants, only make them grow thicker.

Ecology of the proposed harvest area

This section should include:

- *Description of the marine area and aquatic plant beds (eg. patchy beds of Bull Kelp, or mixed beds of Giant and Bull kelp)*
- *Description of the environment of the proposed harvest area*
- *Description of anticipated effects on the environment arising from aquatic plant harvest*

We would harvest a plant only one time in the year and harvest no more than 20 % of the plants in a bed. This minimal harvest will not impact the plants, only make them grow thicker. The sarcornia pacifica covers the shore as far as you can see, so there definitely is an abundance to harvest.

The area we would like to harvest is between Henry island and Porcher island. The sarcornia pacifica runs along the shore for miles in this area. Harvest area map 5488

Biomass or distribution information

This section should include:

- *Distribution of the aquatic plants in the proposed harvest area*
- *Estimated biomass of the aquatic plants in the proposed harvest area*
- *Scientific studies or inventory information for this location and/or species*

The area we would like to harvest is between Henry island and Porcher island. The sarcornia pacifica runs along the shore for miles in this area. Harvest area map 5488
125 tonnes

Additional information/requirements

- *Identify any special land designations e.g. Wildlife Management Area, Provincial Park Conservancy, marine parks, etc. and describe how your proposal is consistent with management direction in these areas.*

B.C. Parks is in the process of developing Conservancy Management plans depending on their decisions we may be required to get an aquatic plant harvesting permit, which we would obtain from B.C. Parks.

Signature: **Jaron Janas**

Digitally signed by Jaron Janas
Date: 2019.10.25 12:10:25 -07'00'

Signed by: Jaron Janas

Date: September 17 2021

Wild Aquatic Plant Harvest Plan Proposal

Applicant:

Name of harvester:

Aquatic Plant(s) proposed to be harvested (as identified in the application form):

Location

General area location:

Specific Location(s) of harvest:

GPS coordinates (center):

Harvest area # (if known):

DFO Management Area:

Sub area:

Harvesting approach

This section should include:

- Description of the proposed method of harvesting aquatic plants (# of times to harvest per bed, how the plant will be harvested etc.)
- Equipment to be used (e.g. hand harvest with scissors via boat)
- Estimated timing of harvest (e.g. for SoK harvest Mid-February to Mid-May)
- Estimated number of days for harvest (e.g. 6 days total)
- Harvest intensity, specifically the proposed number of visits to a specific location (e.g. any one bed will be harvested only once)
- Any proposed harvest techniques or strategies (e.g. only harvest within dense kelp beds, no harvesting if herring spawn is found anywhere within a bed, harvest the outer edges of a bed)

Hand harvest knife or scissor. Harvesting will occur in May to August with approximately 40 to 50 days. Harvesting will occur when the Salicornia becomes thick, green and larger than 10 cm in height.

Only the tips of the plants will be cut and no plant is cut more than once a year.

The harvesters will cut no more than 20% of any plant and will only cut in an area with a continuous bed of Salicornia.

When there is a Spartina spray project in the same location as a Salicornia harvest, harvesters will only harvest in areas where it is safe to do so which is either before a

Ecology of the proposed harvest area

This section should include:

- *Description of the marine area and aquatic plant beds (eg. patchy beds of Bull Kelp, or mixed beds of Giant and Bull kelp)*
- *Description of the environment of the proposed harvest area*
- *Description of anticipated effects on the environment arising from aquatic plant harvest*

Boundary bay - Salicornia grows in abundance in this area.

Spartina invasive grass was noticed about 5 years ago and herbicide spraying began to reduce the Spartina. Harvesters are aware of when herbicide spraying happens and accommodate when this spraying occurs.

~~Natural following occurs due to the fact that we tend to pick only the healthier beds~~

Biomass or distribution information

This section should include:

- *Distribution of the aquatic plants in the proposed harvest area*
- *Estimated biomass of the aquatic plants in the proposed harvest area*
- *Scientific studies or inventory information for this location and/or species*

There is an abundance of Salicornia in Boundary Bay. The beds are continuous. Ducks Unlimited mapped the locations of Boundary Bay in 2013.

There is another study in 1988 titled "Impact of Commercial Harvesting of Sea-Asparagus on the productivity of coastal salt marshes in BC
<https://www.for.gov.bc.ca/hfd/library/documents/bib93059.pdf>

Additional information/requirements

- *Identify any special land designations e.g. Wildlife Management Area, Provincial Park Conservancy, marine parks, etc. and describe how your proposal is consistent with management direction in these areas.*

This harvest is within the Boundary Bay Wildlife Management area. Within the WMA, there is also private land owned by Nature's Trust.

Signature: **Walter B. Carey**

Digitally signed by Walter B. Carey
DN: cn=Walter B. Carey, o=Westcoast Seaweed Inc, ou,
email=info@westcoastseaweed.com, c=CA
Date: 2019.09.24 00:44:32 -07'00'

Signed by:

Date:



Wild Aquatic Plant Harvester Licence Application

This section for internal purposes only

Application #: 2022-021

Application Received Date: 21/09/21

Licence Fee Received Date:

Service Code: 1508

Did you apply last year for a Wild Aquatic Plant Harvester Licence? Yes ☒ No ☐

If so, have you submitted your Harvester Record for the previous year? Yes ☒ No ☐

Section 1: Applicant information

Applicant: First Name: _____ Last Name: _____

or Company Name: Westcoast Seaweed Inc. _____

For applicants applying under a company name:

BC Inc. #, BC Registration # or BC Society #: BC0617584 _____

Name of Harvester: _____
(if different from above)

Physical Address: 3140 Cook Street Victoria BC V8X 1A2 _____

Mailing Address: _____
(if different from above)

Telephone Number: N/A _____ Cell Number: 250 812 6691 _____

E-mail: info@westcoastseaweed.com _____

Licence Fee of \$110.00 included? Yes ☒ No ☐

Section 1: General application information

Year of Harvest: 2022 _____

Is this plant for Human Consumption? Yes ☒ No ☐

What is the end use/product? Human Consumption _____

Harvest type: (Check the most relevant box)

Spawn on Kelp ☐

Live aquatic Plant Harvest ☒

Other ☐ Please Describe _____

Section 2: Species and quota requested

Quota requested for aquatic plant harvesting:

(You may only apply for one group per application)

		Harvest Quota requested (tonne)
<input type="radio"/> Group 1	<i>Macrocystis integrifolia</i>	
	<i>Nereocystis luetkeana</i>	
	<i>Agarum spp.</i>	
	<i>Alaria spp.</i>	
	<i>Costaria costata</i>	
	<i>Cymathere triplicate</i>	
<input type="radio"/> Group 2	<i>Egregia menziesii</i>	
	<i>Eisenia arborea</i>	
	<i>Saccharina sessile</i>	
	<i>Laminaria spp.</i>	
	<i>Pleurophycus gardneri</i>	
	<i>Pterygophora californica</i>	
<input type="radio"/> Group 3	<i>Agardhiella tenera</i>	
	<i>Ahnfeltia spp.</i>	
	<i>Endocladia muricata</i>	
	<i>Gelidium spp.</i>	
	<i>Gloiopeltis furcata;</i>	
	<i>Gracilaria spp.</i>	
	<i>Gracilariopsis sjoestedtii</i>	
	<i>Gymnogongrus spp.</i>	
<input type="radio"/> Group 4	<i>Gigartina spp.</i>	
	<i>Iridaea spp.</i>	
<input type="radio"/> Group 5	<i>Cystoseira geminata</i>	
	<i>Fucus spp.</i>	
	<i>Sargassum muticum</i>	
<input type="radio"/> Group 6	<i>Enteromorpha spp</i>	
	<i>Monostroma spp.</i>	
	<i>Porphyra spp.</i>	
	<i>Rhodomenia spp.</i>	
	<i>Ulva spp.</i>	
<input type="radio"/> Group 7	<i>Phyllospadix spp.</i>	
	<i>Zostera marina.</i>	
<input checked="" type="radio"/> Group 8	<i>Salicornia spp</i>	
<input type="radio"/> Group 9	Other	

Section 3: Proposed harvest location

- Management Area information can be found at: www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html
- only one management area can be applied for per application

DFO Management Area: 29

Subarea(s): 29-8; _____; _____; _____; _____; _____; _____; _____.

Describe harvest location: _____

Inter tidal areas of Boundary Bay "Wild Life Management Area"

If you know the harvest area number you are applying for, please include here: Site 005000 _____

Map of location included? Yes ☒ No ☐

Section 4: Information and signature:

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- Application Fees of \$110 per application are due upon submission.

Forms of Payment:

- Cheque or money order payable in Canadian funds to Minister of Finance. A service charge of \$30 will be levied for all dishonoured cheques.
- Debit Card (in-person only).
- Visa and MasterCard payments are accepted by FrontCounter BC in-person or over the phone at 877-855-3222.

Submit completed application:

By Email:

Email Subject Line: Aquatic Plant Harvesting Licence application for NAME

Attachments: the application

Email to: WestCoast.LandReferrals@gov.bc.ca

Fees: see "Forms of Payment" section above

In Person:

To any FrontCounter BC office

To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

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I understand that the information supplied will be used to review my applications under the BC *Fish and Seafood Act* and shared amongst other agencies, First Nations and/or with the public.

Walter B Carey

Digitally signed by Walter B Carey
DN: cn=Walter B Carey, o=Westcoast
Seaweed Inc., ou=Westcoast Seaweed Inc.,
email=info@westcoastseaweed.com, c=CA
Date: 2017.09.18 13:46:29 -0700

Applicant Signature
(or authorized company designate)

Walter B Carey

Print Name

September 01 2022

Date Signed

Wild Aquatic Plant Harvest Plan Proposal

Applicant: West Coast Seaweed inc.

Name of harvester: Walter B. Carey

Aquatic Plant(s) proposed to be harvested (as identified in the application form):

Salicornia spp.

Location

General area location:

Courtenay to Parksville

Specific Location(s) of harvest: Gartley Point Road and Mac's Oysters locations

GPS coordinates (center): 49.590506 -124.884503

Harvest area # (if known): 5018

DFO Management Area: 14

Sub area: 4, 5, 8, 11, 14, 15

Harvesting approach

This section should include:

- Description of the proposed method of harvesting aquatic plants (# of times to harvest per bed, how the plant will be harvested etc.)
- Equipment to be used (e.g. hand harvest with scissors via boat)
- Estimated timing of harvest (e.g. for SoK harvest Mid-February to Mid-May)
- Estimated number of days for harvest (e.g. 6 days total)
- Harvest intensity, specifically the proposed number of visits to a specific location (e.g. any one bed will be harvested only once)
- Any proposed harvest techniques or strategies (e.g. only harvest within dense kelp beds, no harvesting if herring spawn is found anywhere within a bed, harvest the outer edges of a bed)

Hand harvest knife or scissor. Harvesting will occur in May to August with approximately 40 to 50 days. Harvesting will occur when the Salicornia becomes thick, green and larger than 10 cm in height.

Only the tips of the plants will be cut and no plant is cut more than once a year.

The harvesters will cut no more than 20% of any plant and will only cut in an area with a continuous bed of Salicornia.

When there is a Spartina spray project in the same location as a Salicornia harvest, harvesters will only harvest in areas where it is safe to do so which is either before a

Ecology of the proposed harvest area

This section should include:

- *Description of the marine area and aquatic plant beds (eg. patchy beds of Bull Kelp, or mixed beds of Giant and Bull kelp)*
- *Description of the environment of the proposed harvest area*
- *Description of anticipated effects on the environment arising from aquatic plant harvest*

Courtenay to Parksville Salicornia beds - Salicornia grows in abundance in these beds. but the beds are long and narrow.

The Salicornia grows taller and thicker in the Courtenay area, but are smaller beds.

Natural fallowing occurs due to the fact that we tend to pick only the healthier beds.

Biomass or distribution information

This section should include:

- *Distribution of the aquatic plants in the proposed harvest area*
- *Estimated biomass of the aquatic plants in the proposed harvest area*
- *Scientific studies or inventory information for this location and/or species*

Bill Harrower has some biomass info about 10 years ago.

Over the past 20 years, the Salicornia beds are remaining consistent in their biomass.

Additional information/requirements

- *Identify any special land designations e.g. Wildlife Management Area, Provincial Park Conservancy, marine parks, etc. and describe how your proposal is consistent with management direction in these areas.*

No harvesting within a WMA or Provincial Park Conservancy

Signature: **Walter B. Carey**

Digitally signed by Walter B. Carey
DN: cn=Walter B. Carey, o=Westcoast Seaweed Inc, ou,
email=info@westcoastseaweed.com, c=CA
Date: 2019.09.24 00:41:17 -07'00'

Signed by:

Date:



Wild Aquatic Plant Harvester Licence Application

This section for internal purposes only

Application #: 2022-022

Application Received Date: 21/09/21

Licence Fee Received Date:

Service Code: 1508

Did you apply last year for a Wild Aquatic Plant Harvester Licence? Yes ☒ No ☐

If so, have you submitted your Harvester Record for the previous year? Yes ☒ No ☐

Section 1: Applicant information

Applicant: First Name: _____ Last Name: _____

or Company Name: Westcoast Seaweed Inc. _____

For applicants applying under a company name:

BC Inc. #, BC Registration # or BC Society #: BC0617584 _____

Name of Harvester: _____
(if different from above)

Physical Address: 3140 Cook Street Victoria BC V8X 1A2 _____

Mailing Address: _____
(if different from above)

Telephone Number: N/A _____ Cell Number: (250) 812-6691 _____

E-mail: info@westcoastseaweed.com _____

Licence Fee of \$110.00 included? Yes ☒ No ☐

Section 1: General application information

Year of Harvest: 2022 _____

Is this plant for Human Consumption? Yes ☒ No ☐

What is the end use/product? Human Consumption _____

Harvest type: (Check the most relevant box)

Spawn on Kelp ☐

Live aquatic Plant Harvest ☒

Other ☐ Please Describe _____

Section 2: Species and quota requested

Quota requested for aquatic plant harvesting:

(You may only apply for one group per application)

		Harvest Quota requested (tonne)
<input type="radio"/> Group 1	<i>Macrocystis integrifolia</i>	
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	<i>Costaria costata</i>	
	<i>Cymathere triplicate</i>	
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	<i>Eisenia arborea</i>	
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	<i>Pterygophora californica</i>	
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	<i>Endocladia muricata</i>	
	<i>Gelidium spp.</i>	
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	<i>Iridaea spp.</i>	
<input type="radio"/> Group 5	<i>Cystoseira geminata</i>	
	<i>Fucus spp.</i>	
	<i>Sargassum muticum</i>	
	<i>Enteromorpha spp</i>	
<input type="radio"/> Group 6	<i>Monostroma spp.</i>	
	<i>Porphyra spp.</i>	
	<i>Rhodomenia spp.</i>	
	<i>Ulva spp.</i>	
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	<i>Zostera marina.</i>	
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<input type="radio"/> Group 9	Other	

Section 3: Proposed harvest location

- Management Area information can be found at: www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html
- only one management area can be applied for per application

DFO Management Area: 14

Subarea(s): 14-4; 14-5; 14-8; 14-11; 14-14; 14-15; _____; _____.

Describe harvest location: _____

An area between Courtenay and Parksville

If you know the harvest area number you are applying for, please include here: Site 005018 _____

Map of location included? Yes ☒ No ☐

Section 4: Information and signature:

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By Email:

Email Subject Line: Aquatic Plant Harvesting Licence application for NAME

Attachments: the application

Email to: WestCoast.LandReferrals@gov.bc.ca

Fees: see "Forms of Payment" section above

In Person:

To any FrontCounter BC office

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By Mail:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

Collection Notice:

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I understand that the information supplied will be used to review my applications under the BC *Fish and Seafood Act* and shared amongst other agencies, First Nations and/or with the public.

Walter B Carey

Digitally signed by Walter B Carey
DN: cn=Walter B Carey, o=Westcoast
Seaweed Inc., ou=Westcoast Seaweed Inc.,
email=info@westcoastseaweed.com, c=CA
Date: 2017.09.18 14:34:14 -0700

Applicant Signature
(or authorized company designate)

Walter B Carey

Print Name

September 01 2021

Date Signed



Wild Aquatic Plant Harvester Licence Application

This section for internal purposes only

Application #: 2022-023

Application Received Date: 21/09/21

Licence Fee Received Date:

Service Code: 1508

Did you apply last year for a Wild Aquatic Plant Harvester Licence? Yes ☒ No ☐

If so, have you submitted your Harvester Record for the previous year? Yes ☒ No ☐

Section 1: Applicant information

Applicant: First Name: _____ Last Name: _____

or Company Name: Westcoast Seaweed Inc. _____

For applicants applying under a company name:

BC Inc. #, BC Registration # or BC Society #: BC0617584 _____

Name of Harvester: _____
(if different from above)

Physical Address: 3140 Cook Street Victoria BC V8X 1A2 _____

Mailing Address: _____
(if different from above)

Telephone Number: N/A _____ Cell Number: (250) 812-6691 _____

E-mail: info@westcoastseaweed.com _____

Licence Fee of \$110.00 included? Yes ☒ No ☐

Section 1: General application information

Year of Harvest: 2022 _____

Is this plant for Human Consumption? Yes ☒ No ☐

What is the end use/product? Human Consumption _____

Harvest type: (Check the most relevant box)

Spawn on Kelp ☐

Live aquatic Plant Harvest ☒

Other ☐ Please Describe _____

Section 2: Species and quota requested

Quota requested for aquatic plant harvesting:

(You may only apply for one group per application)

		Harvest Quota requested (tonne)
<input type="radio"/> Group 1	<i>Macrocystis integrifolia</i>	
	<i>Nereocystis luetkeana</i>	
	<i>Agarum spp.</i>	
	<i>Alaria spp.</i>	
	<i>Costaria costata</i>	
	<i>Cymathere triplicate</i>	
<input type="radio"/> Group 2	<i>Egregia menziesii</i>	
	<i>Eisenia arborea</i>	
	<i>Saccharina sessile</i>	
	<i>Laminaria spp.</i>	
	<i>Pleurophycus gardneri</i>	
	<i>Pterygophora californica</i>	
<input type="radio"/> Group 3	<i>Agardhiella tenera</i>	
	<i>Ahnfeltia spp.</i>	
	<i>Endocladia muricata</i>	
	<i>Gelidium spp.</i>	
	<i>Gloiopeltis furcata;</i>	
	<i>Gracilaria spp.</i>	
	<i>Gracilariopsis sjoestedtii</i>	
	<i>Gymnogongrus spp.</i>	
<input type="radio"/> Group 4	<i>Gigartina spp.</i>	
	<i>Iridaea spp.</i>	
<input type="radio"/> Group 5	<i>Cystoseira geminata</i>	
	<i>Fucus spp.</i>	
	<i>Sargassum muticum</i>	
<input type="radio"/> Group 6	<i>Enteromorpha spp</i>	
	<i>Monostroma spp.</i>	
	<i>Porphyra spp.</i>	
	<i>Rhodomenia spp.</i>	
	<i>Ulva spp.</i>	
<input type="radio"/> Group 7	<i>Phyllospadix spp.</i>	
	<i>Zostera marina.</i>	
<input checked="" type="radio"/> Group 8	<i>Salicornia spp</i>	
<input type="radio"/> Group 9	Other	

Section 3: Proposed harvest location

- Management Area information can be found at: www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html
- only one management area can be applied for per application

DFO Management Area: 17

Subarea(s): 17-7; 17-9; _____; _____; _____; _____; _____.

Describe harvest location: _____

Inter tidal areas of Crofton and Ladysmith Harbours

If you know the harvest area number you are applying for, please include here: _____ Site 005137

Map of location included? Yes ☒ No ☐

Section 4: Information and signature:

- All applicable components of this application package must be complete. Incomplete applications will be returned to applicant.
- Applicants may be required to submit a Harvest Plan proposal to further support their Application.
- Aquatic plant harvest applications and fees must be submitted **no later than 4:30pm October 1**. Applications received after the deadline may not be processed.
- A separate licence is required for each Management Area and species group.
- Application Fees of \$110 per application are due upon submission.

Forms of Payment:

- Cheque or money order payable in Canadian funds to Minister of Finance. A service charge of \$30 will be levied for all dishonoured cheques.
- Debit Card (in-person only).
- Visa and MasterCard payments are accepted by FrontCounter BC in-person or over the phone at 877-855-3222.

Submit completed application:

By Email:

Email Subject Line: Aquatic Plant Harvesting Licence application for NAME

Attachments: the application

Email to: WestCoast.LandReferrals@gov.bc.ca

Fees: see "Forms of Payment" section above

In Person:

To any FrontCounter BC office

To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

By Mail:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

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I understand that the information supplied will be used to review my applications under the BC *Fish and Seafood Act* and shared amongst other agencies, First Nations and/or with the public.

Walter B Carey

Digitally signed by Walter B Carey
DN: cn=Walter B Carey, o=Westcoast
Seaweed Inc., ou=Westcoast Seaweed Inc.,
email=info@westcoastseaweed.com, c=CA
Date: 2017.09.18 14:42:27 -0700

Applicant Signature
(or authorized company designate)

Walter B Carey

Print Name

September 01 2021

Date Signed

Wild Aquatic Plant Harvest Plan Proposal

Applicant: **Westcoast Seaweed Inc.**

Name of harvester: **Walter B. Carey**

Aquatic Plant(s) proposed to be harvested (as identified in the application form):

Salicornia spp.

Location

General area location:

Crofton Ladysmith

Specific Location(s) of harvest: **Crofton Ladysmith**

GPS coordinates (center): **48.896499, -123.684118**

Harvest area # (if known): **5137**

DFO Management Area: **17**

Sub area: **7 9**

Harvesting approach

This section should include:

- Description of the proposed method of harvesting aquatic plants (# of times to harvest per bed, how the plant will be harvested etc.)*
- Equipment to be used (e.g. hand harvest with scissors via boat)*
- Estimated timing of harvest (e.g. for SoK harvest Mid-February to Mid-May)*
- Estimated number of days for harvest (e.g. 6 days total)*
- Harvest intensity, specifically the proposed number of visits to a specific location (e.g. any one bed will be harvested only once)*
- Any proposed harvest techniques or strategies (e.g. only harvest within dense kelp beds, no harvesting if herring spawn is found anywhere within a bed, harvest the outer edges of a bed)*

Hand harvest knife or scissor. Harvesting will occur in May to August with approximately 40 to 50 days. Harvesting will occur when the Salicornia becomes thick, green and larger than 10 cm in height.

Only the tips of the plants will be cut and no plant is cut more than once a year.

The harvesters will cut no more than 20% of any plant and will only cut in an area with a continuous bed of Salicornia.

When there is a Spartina spray project in the same location as a Salicornia harvest, harvesters will only harvest in areas where it is safe to do so which is either before a

Ecology of the proposed harvest area

This section should include:

- *Description of the marine area and aquatic plant beds (eg. patchy beds of Bull Kelp, or mixed beds of Giant and Bull kelp)*
- *Description of the environment of the proposed harvest area*
- *Description of anticipated effects on the environment arising from aquatic plant harvest*

no effects

Biomass or distribution information

This section should include:

- *Distribution of the aquatic plants in the proposed harvest area*
- *Estimated biomass of the aquatic plants in the proposed harvest area*
- *Scientific studies or inventory information for this location and/or species*

Unknown

Additional information/requirements

- *Identify any special land designations e.g. Wildlife Management Area, Provincial Park Conservancy, marine parks, etc. and describe how your proposal is consistent with management direction in these areas.*

None

Signature: **Walter B Carey**

Digitally signed by Walter B Carey
DN: cn=Walter B Carey, o=Westcoast Seaweed Inc., ou=Westcoast
Seaweed Inc., email=info@westcoastseaweed.com, c=CA
Date: 2019.09.05 10:29:55 -0700

Signed by: Walter B. Carey

Date: Sept 5 2019



Wild Aquatic Plant Harvester Licence Application

This section for internal purposes only

Application #: 2022-024

Application Received Date: 21/09/21

Licence Fee Received Date:

Service Code: 1508

Did you apply last year for a Wild Aquatic Plant Harvester Licence? Yes ☒ No ☐

If so, have you submitted your Harvester Record for the previous year? Yes ☒ No ☐

Section 1: Applicant information

Applicant: First Name: _____ Last Name: _____

or Company Name: Westcoast Seaweed Inc. _____

For applicants applying under a company name:

BC Inc. #, BC Registration # or BC Society #: BC0617584 _____

Name of Harvester: _____
(if different from above)

Physical Address: 3140 Cook Street Victoria BC V8x 1A2 _____

Mailing Address: _____
(if different from above)

Telephone Number: N/A _____ Cell Number: (250) 812-6691 _____

E-mail: info@westcoastseaweed.com _____

Licence Fee of \$110.00 included? Yes ☒ No ☐

Section 1: General application information

Year of Harvest: 2021 _____

Is this plant for Human Consumption? Yes ☒ No ☐

What is the end use/product? Human Consumption _____

Harvest type: (Check the most relevant box)

Spawn on Kelp ☐

Live aquatic Plant Harvest ☒

Other ☐ Please Describe _____

Section 2: Species and quota requested

Quota requested for aquatic plant harvesting:

(You may only apply for one group per application)

		Harvest Quota requested (tonne)
<input type="radio"/> Group 1	<i>Macrocystis integrifolia</i>	
	<i>Nereocystis luetkeana</i>	
<input type="radio"/> Group 2	<i>Agarum spp.</i>	
	<i>Alaria spp.</i>	
	<i>Costaria costata</i>	
	<i>Cymathere triplicate</i>	
	<i>Egregia menziesii</i>	
	<i>Eisenia arborea</i>	
	<i>Saccharina sessile</i>	
	<i>Laminaria spp.</i>	
	<i>Pleurophycus gardneri</i>	
	<i>Pterygophora californica</i>	
<input type="radio"/> Group 3	<i>Agardhiella tenera</i>	
	<i>Ahnfeltia spp.</i>	
	<i>Endocladia muricata</i>	
	<i>Gelidium spp.</i>	
	<i>Gloiopeltis furcata;</i>	
	<i>Gracilaria spp.</i>	
	<i>Gracilariopsis sjoestedtii</i>	
	<i>Gymnogongrus spp.</i>	
<input type="radio"/> Group 4	<i>Gigartina spp.</i>	
	<i>Iridaea spp.</i>	
<input type="radio"/> Group 5	<i>Cystoseira geminata</i>	
	<i>Fucus spp.</i>	
	<i>Sargassum muticum</i>	
<input type="radio"/> Group 6	<i>Enteromorpha spp</i>	
	<i>Monostroma spp.</i>	
	<i>Porphyra spp.</i>	
	<i>Rhodomenia spp.</i>	
	<i>Ulva spp.</i>	
<input type="radio"/> Group 7	<i>Phyllospadix spp.</i>	
	<i>Zostera marina.</i>	
<input checked="" type="radio"/> Group 8	<i>Salicornia spp</i>	
<input type="radio"/> Group 9	Other	

Section 3: Proposed harvest location

- Management Area information can be found at: www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html
- only one management area can be applied for per application

DFO Management Area: 20

Subarea(s): 20-5; 20-6; 20-7; _____; _____; _____; _____; _____.

Describe harvest location: _____

Inter tidal areas of Sooke Harbour and Pedder Bay

If you know the harvest area number you are applying for, please include here: _____ Site 005009

Map of location included? Yes ☒ No ☐

Section 4: Information and signature:

- All applicable components of this application package must be complete. Incomplete applications will be returned to applicant.
- Applicants may be required to submit a Harvest Plan proposal to further support their Application.
- Aquatic plant harvest applications and fees must be submitted **no later than 4:30pm October 1**. Applications received after the deadline may not be processed.
- A separate licence is required for each Management Area and species group.
- Application Fees of \$110 per application are due upon submission.

Forms of Payment:

- Cheque or money order payable in Canadian funds to Minister of Finance. A service charge of \$30 will be levied for all dishonoured cheques.
- Debit Card (in-person only).
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Submit completed application:

By Email:

Email Subject Line: Aquatic Plant Harvesting Licence application for NAME

Attachments: the application

Email to: WestCoast.LandReferrals@gov.bc.ca

Fees: see "Forms of Payment" section above

In Person:

To any FrontCounter BC office

To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

By Mail:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

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I understand that the information supplied will be used to review my applications under the BC *Fish and Seafood Act* and shared amongst other agencies, First Nations and/or with the public.

Walter B Carey

Digitally signed by Walter B Carey
DN: cn=Walter B Carey, o=Westcoast
Seaweed Inc., ou=Westcoast Seaweed Inc.,
email=info@westcoastseaweed.com, c=CA
Date: 2017.09.18 14:24:23 -0700

Applicant Signature
(or authorized company designate)

Walter B Carey

Print Name

September 01 2020

Date Signed

Wild Aquatic Plant Harvest Plan Proposal

Applicant: Westcoast Seaweed Inc.

Name of harvester: Walter B. Carey

Aquatic Plant(s) proposed to be harvested (as identified in the application form):

Salicornia spp.

Location

General area location:

Sooke Pedder Bay

Specific Location(s) of harvest: Sooke Pedder Bay

GPS coordinates (center): 48.380876, -123.699777

Harvest area # (if known): 5009

DFO Management Area: 20

Sub area: 5 6 7

Harvesting approach

This section should include:

- Description of the proposed method of harvesting aquatic plants (# of times to harvest per bed, how the plant will be harvested etc.)
- Equipment to be used (e.g. hand harvest with scissors via boat)
- Estimated timing of harvest (e.g. for SoK harvest Mid-February to Mid-May)
- Estimated number of days for harvest (e.g. 6 days total)
- Harvest intensity, specifically the proposed number of visits to a specific location (e.g. any one bed will be harvested only once)
- Any proposed harvest techniques or strategies (e.g. only harvest within dense kelp beds, no harvesting if herring spawn is found anywhere within a bed, harvest the outer edges of a bed)

Hand harvest knife or scissor. Harvesting will occur in May to August with approximately 40 to 50 days. Harvesting will occur when the Salicornia becomes thick, green and larger than 10 cm in height.

Only the tips of the plants will be cut and no plant is cut more than once a year.

The harvesters will cut no more than 20% of any plant and will only cut in an area with a continuous bed of Salicornia.

When there is a Spartina spray project in the same location as a Salicornia harvest, harvesters will only harvest in areas where it is safe to do so which is either before a

Ecology of the proposed harvest area

This section should include:

- *Description of the marine area and aquatic plant beds (eg. patchy beds of Bull Kelp, or mixed beds of Giant and Bull kelp)*
- *Description of the environment of the proposed harvest area*
- *Description of anticipated effects on the environment arising from aquatic plant harvest*

Large bed on delta. Has been harvested for 25 years no adverse effect.

Biomass or distribution information

This section should include:

- *Distribution of the aquatic plants in the proposed harvest area*
- *Estimated biomass of the aquatic plants in the proposed harvest area*
- *Scientific studies or inventory information for this location and/or species*

Various beds

Additional information/requirements

- *Identify any special land designations e.g. Wildlife Management Area, Provincial Park Conservancy, marine parks, etc. and describe how your proposal is consistent with management direction in these areas.*

none

Signature: **Walter B Carey**

Digitally signed by Walter B Carey
DN: cn=Walter B Carey, o=Westcoast Seaweed Inc., ou=Westcoast
Seaweed Inc., email=info@westcoastseaweed.com, c=CA
Date: 2019.09.05 10:30:43 -07'00'

Signed by: Walter B. Carey

Date: Sept 5 2019



Wild Aquatic Plant Harvester Licence Application

This section for internal purposes only

Application #: _____ Appl# 2022-080, ATS604480
Application Received Date: _____ Appl recd 2021-10-19
Licence Fee Received Date: _____
Service Code: 1508

Did you apply last year for a Wild Aquatic Plant Harvester Licence? Yes ☒ No ☐

If so, have you submitted your Harvester Record for the previous year? Yes ☐ No ☒

Harvesting until 11.30.21

Section 1: Applicant information

Applicant: First Name: Kristina Last Name: Long
or Company Name: Salish Sea Kelp Co. (previously, AK Green)

For applicants applying under a company name:
BC Inc. #, BC Registration # or BC Society #: BC1253814

Name of Harvester: _____
(if different from above)

Physical Address: 185 Dallas Rd. / Victoria, BC / V8V1A1 / Ogden Pt. Pier A

Mailing Address: 2783 Benson Place / Victoria, BC / V8N1S5
(if different from above)

Telephone Number: _____ Cell Number: 250-891-4198

E-mail: klong@seaforest.ca

Licence Fee of \$110.00 included? Yes ☒ No ☐

Section 1: General application information

Year of Harvest: 2022

Is this plant for Human Consumption? Yes ☒ No ☐

What is the end use/product? All Natural Foods

Harvest type: (Check the most relevant box)

Spawn on Kelp ☐

Live aquatic Plant Harvest ☒

Other ☐ Please Describe _____

Section 2: Species and quota requested

Quota requested for aquatic plant harvesting:

(You may only apply for one group per application)

		Harvest Quota requested (tonne)
<input type="radio"/> Group 1	<i>Macrocystis integrifolia</i>	
	<i>Nereocystis luetkeana</i>	
	<i>Agarum spp.</i>	
	<i>Alaria spp.</i>	
	<i>Costaria costata</i>	
	<i>Cymathere triplicate</i>	
<input type="radio"/> Group 2	<i>Egregia menziesii</i>	
	<i>Eisenia arborea</i>	
	<i>Saccharina sessile</i>	
	<i>Laminaria spp.</i>	
	<i>Pleurophycus gardneri</i>	
	<i>Pterygophora californica</i>	
<input type="radio"/> Group 3	<i>Agardhiella tenera</i>	
	<i>Ahnfeltia spp.</i>	
	<i>Endocladia muricata</i>	
	<i>Gelidium spp.</i>	
	<i>Gloiopeltis furcata;</i>	
	<i>Gracilaria spp.</i>	
	<i>Gracilariopsis sjoestedtii</i>	
	<i>Gymnogongrus spp.</i>	
<input type="radio"/> Group 4	<i>Gigartina spp.</i>	
	<i>Iridaea spp.</i>	
<input type="radio"/> Group 5	<i>Cystoseira geminata</i>	
	<i>Fucus spp.</i>	
	<i>Sargassum muticum</i>	
<input type="radio"/> Group 6	<i>Enteromorpha spp</i>	
	<i>Monostroma spp.</i>	
	<i>Porphyra spp.</i>	
	<i>Rhodomenia spp.</i>	
	<i>Ulva spp.</i>	
<input type="radio"/> Group 7	<i>Phyllospadix spp.</i>	
	<i>Zostera marina.</i>	
<input checked="" type="radio"/> Group 8	<i>Salicornia spp</i>	0.3 Tonnes
<input type="radio"/> Group 9	Other	

Section 3: Proposed harvest location

- Management Area information can be found at: www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html
- only one management area can be applied for per application

DFO Management Area:

Subarea(s): **14-11**; _____; _____; _____; _____; _____; _____.

Describe harvest location: **Trent River East**

If you know the harvest area number you are applying for, please include here: _____

Map of location included? Yes ☐ No ☒

Section 4: Information and signature:

- All applicable components of this application package must be complete. Incomplete applications will be returned to applicant.
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- Visa and MasterCard payments are accepted by FrontCounter BC in-person or over the phone at 877-855-3222.

Submit completed application:

By Email:

Email Subject Line: Aquatic Plant Harvesting Licence application for NAME

Attachments: the application

Email to: WestCoast.LandReferrals@gov.bc.ca

Fees: see "Forms of Payment" section above

In Person:

To any FrontCounter BC office

To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

By Mail:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

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I understand that the information supplied will be used to review my applications under the BC *Fish and Seafood Act* and shared amongst other agencies, First Nations and/or with the public.



Applicant Signature

(or authorized company designate)

Kristina Long

Print Name

October 1, 2021

Date Effective

Wild Aquatic Plant Harvest Plan Proposal

Applicant:

Name of harvester:

Aquatic Plant(s) proposed to be harvested (as identified in the application form):

Location

General area location:

Specific Location(s) of harvest:

GPS coordinates (center):

Harvest area # (if known):

DFO Management Area:

Sub area:

Harvesting approach

This section should include:

- Description of the proposed method of harvesting aquatic plants (# of times to harvest per bed, how the plant will be harvested etc.)*
- Equipment to be used (e.g. hand harvest with scissors via boat)*
- Estimated timing of harvest (e.g. for SoK harvest Mid-February to Mid-May)*
- Estimated number of days for harvest (e.g. 6 days total)*
- Harvest intensity, specifically the proposed number of visits to a specific location (e.g. any one bed will be harvested only once)*
- Any proposed harvest techniques or strategies (e.g. only harvest within dense kelp beds, no harvesting if herring spawn is found anywhere within a bed, harvest the outer edges of a bed)*

Salicornia will be harvested in small volumes throughout the summer season, from early May until early July, at time of flowering. It's expected that we should harvest only 4 times throughout this period, at times of extreme low tide, spreading our activities to cover a larger area. We carry baskets with scissors and remove the active growth tips of the plants, to allow for further seasonal growth and an annual return. All harvesting will take place on shore, in the upper intertidal. Small sections will be harvested from each areas to prevent any impacts to flowering.

Ecology of the proposed harvest area

This section should include:

- *Description of the marine area and aquatic plant beds (eg. patchy beds of Bull Kelp, or mixed beds of Giant and Bull kelp)*
- *Description of the environment of the proposed harvest area*
- *Description of anticipated effects on the environment arising from aquatic plant harvest*

The Baynes Sound area is a unique ecological zone with numerous shellfish operations and various creeks & rivers that enter into waterway. The proposed area borders farmland and other aquaculture activities, so it's not expected to impact residential populations. Aquatic plants are not present in high densities in the area due to the mud & sand bathymetry in the area. Red algae is more common.

Biomass or distribution information

This section should include:

- *Distribution of the aquatic plants in the proposed harvest area*
- *Estimated biomass of the aquatic plants in the proposed harvest area*
- *Scientific studies or inventory information for this location and/or species*

In the Gartley Point & Trent River areas, *Salicornia* covers between 20-30% of the upper intertidal, in noteworthy densities. Estimated biomass in the Baynes Sound area may exceed 5 tonnes. At this stage, it is unknown whether there are inventory studies in the area, though this is something that we will research.

Additional information/requirements

- *Identify any special land designations e.g. Wildlife Management Area, Provincial Park Conservancy, marine parks, etc. and describe how your proposal is consistent with management direction in these areas.*

There are a few shoreside Provincial Parks that are south of the harvesting area as well as offshore IR (Denman Island) that will not interact with harvesting activities in the area. Baynes Sound is an active aquaculture zone.

Signature:



Signed by: Kristina Long

Date: October 1, 2021