



## **Haida Gwaii Recreation Coordinator's Report**

**Month End: March 2013**

**Submitted By: Pamela Richardson**

The HG Recreation Commission has four categories, from September to June, that our programs fall into; Drop-In Programs, Registered Programs, Movies and Community Events. We also assist in obtaining rental spaces and advertising help for community members.

### **Registered Programs**

**Shito Ryu Youth Karate-** instructor Deavlan Bradley finished up the Winter session of Shito Ryu Karate. This program ran at **Queen Charlotte** Secondary School Tuesdays and Thursdays 6:00-7:30pm from January-March. 20 participants attended consistently. 2 additional individuals attend sporadically. The Spring session will begin April 2<sup>nd</sup>.

**Body Burn** – Body Burn resumed this month for a short stint with BCRPA instructor Angela Gross. This program ran each Monday and Wednesday at **Queen Charlotte** Secondary, from 6:30 – 7:30 pm. Over the week of Spring Break Angela held the class at the community field. Between 8-10 each class with the warmer weather and increased daylight

**Weight Room Orientations** –Angela Gross oversaw the **Queen Charlotte** orientation on March 14th and showed 3 eager participants the weight room ropes.

**Alternate Fitness** – the dedicated group of **Port Clements** fitness goers continued their hard work with instructor Ruth Bellamy at Alternate Fitness this month. This program runs every Tuesday and Thursday from 12:30 – 1:15 at the Port Clements Multiplex Senior's Room. Port Clements classes for the month of March had an average of 1 person per class. At this time Port Alt Fit classes have been suspended until the Fall due to lack of interest. BCRPA-certified instructor Tammy Muller continued her first run of classes in **Masset**, every Tuesday and Thursday from 12:30 – 1:15, with a total of 22 participants in the month of March. Harold White returned from a well deserved vacation and will be sharing the instruction of the Masset Alternate Fitness classes. BCRPA-certified instructor and physiotherapist Heather Brule is running Alternate Fitness classes in **Sandspit** and will continue to offer programs on Wednesdays from 11:00am- 12:00pm at the Sandspit Community Hall. She has had a total of 24 participants in the month of March. AltFit classes in **Queen Charlotte** have been postponed due to lack of participation. Discussions with the Skidegate Adult Day Program continue for community partnership. Alternate Fitness is free for participants, and is designed to provide increased fitness and mobility options for those living with, or at risk for, chronic disease.



**Bike Re-Psych Repair Workshops** – the bicycle crew is back up and pedaling! They meet Wednesdays from 4:00-7:00pm at the **Queen Charlotte** Secondary School, but will also be putting their mobile trailer to use and offering workshops throughout the islands in the months to come. These workshops provide community members with knowledge and skills to repair their rides, assist friends, and reduce car costs. Workshop averages are 6 people. This month the 10 Haida Gwaii Higher Education Society students continue to make use of Re-Psych bikes as their main mode of transportation during their visit to Haida Gwaii.

**Aikido for Beginners** – long-time HG Rec instructor Toby Sanmiya continued his Aikido class this month, which was held in **Skidegate** from 5-7 pm. Returning students worked their way to an intermediate class session each Tuesday as skills develop. The class hosted 6 participants regularly and came to an end mid-March.

**Fitness in Port** -BCRPA certified instructors Ruth Bellamy and Amber Bellis completed their shared evening fitness class in **Port Clements** this month. It ran on Tuesdays and Thursdays from 7:00-8:00pm. This was a circuit and aerobics based class. Approximately 3 people attended twice weekly. Due to low numbers and a lack of interest Ruth and Amber have decided to wait before beginning a new session.

#### **Hatha Yoga**

Hatha Yoga in **Port Clements** continued to the end of March on Wednesdays from 5:30-7pm. Jennifer Pigeon has an average of 4 participants at her classes.

#### **Core Course**

Ron Haralson, long time instructor, completed the Spring installment of his Core Course that ran two evenings a week in **Queen Charlotte** at the beginning of March. There were 6 people that took this course. He is planning a Canadian Firearms course at the beginning of April.

#### **Movie**

This month Haida Gwaii Rec featured *The Hobbit: An Unexpected Journey* at four locations on island. The **Queen Charlotte** concession was provided by the Living and Learning School, the Rec Committee in **Port Clements**, the Canadian Jr. Rangers in **Sandspit**, and the Wendy from Moon over Naikoon in **Masset**.

Masset: 19

Port Clements: 36

QC: 105

Sandspit: 23

Total: 183

#### **Drop In Programs**

Haida Gwaii Rec. provides insurance and First Aid to all volunteers willing to run drop in programs throughout the school year at all island schools. Volunteers collect twoonies to cover



the School District 50 rental fee, and are charged per course for any incurred equipment damages. To register a sport for drop-in, a valid and current First Aid certificate is required. We are happy to announce that the Agnes L. Mathers School Gym is back up and open for Moresby Island recreation!

***GYM OPEN FOR USE AS OF JANUARY 14<sup>TH</sup> 2013***

**Agnes L. Mathers Elementary Secondary School**

Mondays and Thursdays:  
Circuit Training 7:00-8:00pm

Wednesdays:  
Youth Open Gym Night 6:00 – 8:00pm

Sundays:  
Badminton 6:30 - 9:30pm

**Queen Charlotte Secondary School**

Wednesdays:  
Badminton 7:00 – 9:00

Thursdays:  
Volleyball 8:00 – 10:00

**Sk'aadgaa Naay Elementary**

Tuesdays:  
Aikido / Movement Practice 5:00 – 9:00

**Port Clements Elementary**

Thursdays:  
Soccer 7:00 – 9:00

**George M. Dawson Secondary School**

Mondays:  
Volleyball 7:00 – 9:00

Tuesdays:  
  
Badminton 7:00 – 9:00



Wednesdays:  
Senior Men's Basketball 7:00 – 9:00

Fridays:  
Senior Men's Basketball 7:00 – 9:00

### **Events and Affiliated Programs**

#### **After School Sport Initiative (ASSI) Programs**

Programming continued into the month of March, taking a hiatus for Spring Break. March also saw the first use of the Arts/Sports grant for programming. Improv and Circus skills will be a front runner. The ASSI has partnered with the Old Massett Youth Centre to offer a twice weekly after school program for 9-12 year olds which will cover a variety of recreation, sport and arts activities. This initiative now delivers a total of 8 subsidized programs across Haida Gwaii for youth ages 5-18, and focuses on combining peer mentorship with healthy activity and fundamental sport development skills. Below are the programs and attendances for the month of March (programs did not run during Spring Break):

Teen Gym (GMD):30  
Teen Surf Club (All Island):18  
Rugby/Soccer (PCES):3  
Skipping(PCES):12  
Join the Circus(PCES):4  
After School Fun (OMYC):28  
Rugby (TAH):4  
Free Gym (SNES):13

Total attendance for ASSI programs: 112

#### **Haida Gwaii Arts Council Movies:**

HG Rec and HGAC partnered again this month to bring **Hyde Park on the Hudson** to Queen Charlotte City. This film had a dismal turnout with only 4 attendees. **Silver Linings Playbook** is the April HGAC film and due to its success at the Oscars a much higher attendance is anticipated.

#### **Total February 2013 participants in HG Rec programs/events/movies:488**

\*Statistics for March 2012 were 560 participants in HG Rec. Programs.



### **Upcoming Spring Classes**

**Movie-**April's Film is Escape from Planet Earth happening the 26, 27, 28 weekend in four communities on Haida Gwaii.

**BOAT Exam** – the updated Transport Canada-approved BOAT exams will continue to be offered in **Masset, Queen Charlotte and Port Clements** upon request.

### **Agate Man Mini-Tri and Slate Man Mini-Tri**

Haida Gwaii Rec has partnered with community groups to offer insurance and advertising for two mini triathlons happening this year. The Slate Man Mini-Tri will happen in Skidegate on Cinco de Mayo and feature kayaking or paddling, biking and running options. The longer Agate Man Mini-Tri will be between Pure Lake and Masset on the first weekend in August with traditional swim, bike run categories

### **Other Projects and Reporting**

#### **Summer Program Grant**

It may be rainy now, but summer will get here! In anticipation of this year's Summer Program, the HG Rec Coordinator submitted a grant application to the HRSDC Canada Summer Jobs Program. This program, offered through Service Canada, is now one of few grant opportunities that will provide funding specifically for wages; the proposal included wage subsidy application for both the 2012 Program Leader and Program Assistant. An application was also submitted to the March 1<sup>st</sup> Youth Intake of Gwaii Trust funding and will be submitted to the United Way's April 5<sup>th</sup> deadline.

#### **Enterprising Non-Profit Workshop**

Kelsey our ASSI Youth Coordinator participated in a 1.5 day enterprising non-profit workshop in Tlell with approximately 15 other community members. She will be generating a report to inform other staff about what was discussed and learned at this valuable course.

#### **Successful Participaction Grants**

The ASSI was also a successful applicant in two \$1000 grants aimed at getting teens more active. One of these was applied to the March month of Teen Surf Club, the other will be applied to the Canoeing and Carving teen program happening in May.

#### **Successful New Horizons Grant**

Haida Gwaii Rec was successful in their application to the New Horizons Citizens Services Grant. This grant is over \$11,000 and focuses around Food, Flexibility and Fun. With this grant Haida Gwaii Rec will be able to offer programs such as Tai Chi, Cooking with Kiku, Golf, and Geocaching to elders across Haida Gwaii.

#### **Successful Film Project**

The link below features some of the films created in our office space this Spring. The facilitator



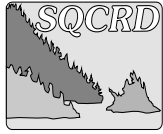
stated that this was one of the most successful workshops she has ever been a part of.

<http://www.ourworldlanguage.com/>

**New internet!**

The Haida Gwaii Rec office now has a new internet connection. This will be more consistent and enable us to work more efficiently. Our bookkeeper has been unable to connect to email services and the internet consistently for the past 2 months.





## STAFF REPORT

**DATE:** April 20, 2013

**FROM:** Judy Skogstad, Planning Consultant

**SUBJECT:** Application by A. Hepburn and P. Ewasiuk  
Rezoning of Lot 2, DL 873 Queen Charlotte Plan  
PRP 41374, Parcel 023-876-522

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### Recommendations:

THAT the Board designates the following referral agencies for the purpose of rezoning Lot 2, DL 873 Queen Charlotte Plan PRP 41374:

- Ministry of Transportation and Infrastructure
- Northern Health
- Ministry of Environment / Ministry of Forests, Lands and Natural Resources, and
- BC Parks

AND THAT a public hearing be scheduled for Saturday, June 22<sup>nd</sup>, 2013 in Masset, with comments from the Graham Island Advisory Planning Commission and agency referrals being received by the Board either before or at the public hearing;

AND FURTHER THAT Director Michael Racz be designated as chair of the public hearing.

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### 1. Background

The Skeena-Queen Charlotte Regional District has received an application from Pamela Ewasiuk and Alexandra Hepburn to rezone Lot 2, DL 873, PLAN PRP 41374 from the R-2 Small Holdings District to the R-3 Residential District. The property is located at 282 Sangan Drive off of Tow Hill Road (Attachment A).

### 2. Proposed Development

The existing zoning of Lot 2 has a minimum parcel size requirement of 0.800 hectares for each parcel to be created and permits one dwelling per parcel.

The property is 0.800 hectares in area, and the intent is to subdivide the property into two 0.400 hectare parcels. The R-3 Residential District has a minimum parcel size requirement of 0.400 hectares for lots not serviced by a community water system. It also permits one dwelling per parcel.



The property is owned jointly by the applicants, and currently there are two dwellings on site supported by two wells. The applicants propose compliance with Northern Health requirements for septic systems as a condition of subdivision. The property is currently serviced by an unpaved road, and accessed by two separate driveways (Attachment B).

### **3. Applicable Policies in the Graham Island Official Community Plan**

The property is designated Residential in the Graham Island Official Community Plan (OCP), and the OCP does not specify what the future density should be for areas designated Residential. However, Policy 6 under the Section “Affordable, Supportive and Accessible Housing” does state that “*Residential cluster development and small lot subdivisions are encouraged on lands designated as Rural Residential and Residential and as a means of providing smaller, more affordable forms of housing*”. Therefore, the proposed rezoning is considered consistent with the relevant OCP policies.

The Graham Island OCP requires that development permits be addressed at the time of subdivision. There are two potential types of development permit issues:

- (a) An Environmental Development Permit designation for nests of eagle, peregrine falcon, gyrfalcon, osprey, heron, Queen Charlotte goshawk, marbled murrelet, saw whet owl (and other BC *Wildlife Act* and *Federal Species at Risk Act* designated species) will require that a report be prepared by a Qualified Environmental Professional to ascertain whether there is a need for any protection of such nests and, if so, a development permit application will be required.
- (b) A Natural Hazards Development Permit designation for floodplains and steep slopes (in excess of 25 degrees) may also require reports by qualified professionals. Floodplains are as defined in the Graham Island Zoning Bylaw 192, which in the case of the Sangam River includes land within 15 meters and lower than 1.5 meters above its natural boundary.

Covenant Plan 39107, currently registered on title, stipulates a minimum horizontal setback and a minimum vertical separation from the natural boundary of Sangam River. In the case of Lot 2, the requirement is a 1.5 meter minimum vertical separation for areas used for habitation, business or storage of goods, or furnace or other fixed equipment damageable by floodwaters. The applicability of the covenant and the associated requirement for a development permit application, supported by a report prepared by a professional engineer with experience in geotechnical engineering, need to be confirmed by survey prior to completion of the subdivision.

The issue of steep slopes, if any, would also need to be addressed at the time of subdivision.

### **4. Applicable Zoning Regulations**

Applicable zoning regulations include both the number of dwellings per parcel and setbacks from property lines.



The proposed rezoning and subdivision, if successful, would result in one dwelling per parcel and, therefore, bring the number of dwellings per parcel in compliance with the zoning.

However, it appears that the setbacks of existing buildings do not comply with the requirements of either the R-2 Small Holdings and R-3 Residential District zones which are 7 meters (22.97 feet) from a front and rear parcel line and 5 meters (16.40 feet) from a side parcel line. An example is the placement of the existing dwelling on the western portion of Lot 2, which does not appear to meet either the side parcel setback or rear parcel setback requirements of 5 and 7 meters, respectively. Another example is the existing dwelling on the eastern portion of Lot 2 which does not meet the 5 meter setback requirement of the proposed parcel line that would separate Lot 2 into two parcels.

Should the rezoning be granted and a subdivision proceeds, confirmation of setbacks via a survey prior to completion of the subdivision needs to be undertaken to ensure compliance with zoning. If setbacks do not comply with existing and proposed parcel lines, the setback requirements could be officially varied by the Regional District Board via the granting of a development variance permit. This would enable the subdivided parcels to be legally non-conforming with respect to the zoning setback requirements.

Note that the setbacks of dwellings and structures and the applicability of floodplain provisions could be undertaken by a surveyor in conjunction with the survey to establish the boundaries of the two parcels to be registered by subdivision plan.

## **5. Adjacent Land Uses and Zoning**

Lot 2 is located in a subdivision with R-2 zoning. Lot 20 nearby and to the west was recently rezoned from R-2 to R-3 by Bylaw 538. An area of R-3 zoning exists to the east and along the waterfront side of Tow Hill Road.

The applicants have indicated that they are supportive neighbors who are in a similar position and would like to rezone. While future applications will need to be considered on their own merit, with this application and that approved under Bylaw 538, there may be an expectation that other nearby parcels should be considered favorably for the R-3 zoning.

Adjacent to the subject parcel is Naikoon Park with P-1 Public Use District zoning.

Adjacent to the subdivision (but not to the subject parcel) is an area zoned R-1 Rural District, with a minimum parcel size requirement of 1.5 hectares.



## **6. Potential Provincial Agencies Issues**

The key provincial agencies with potential interests and requirements are as follows.

### **(a) Northern Health**

Where zoning is not in place, this agency recommends a minimum parcel size of 1.0 hectares (2.5 acres) for lots that have individual wells. The applicants are proposing less than one-half of this area. This agency requires that wells be 30 meters/100 feet from a sewage absorption field and 15 meters/50 feet from a watertight septic tank. They also have requirements for setbacks from buildings and from parcel lines.

### **(b) Ministry of Transportation and Infrastructure**

This Ministry is the approving agency for subdivisions with its requirements for road surfacing, access, and development within 800 meters of a controlled access highway.

### **(c) Ministry of Environment / Ministry of Forests, Lands and Natural Resources**

As previously noted, there is a covenant on-title for flood protection. This Ministry, and/or the Ministry of Transportation and Infrastructure, as the approving authority for subdivisions, should ascertain whether this is applicable and if so, sufficient, given the location of the subject parcel. As previously noted, this could be done as a condition of subdivision.

### **(d) Parks – Naikoon Provincial Park is adjacent to the subject parcel.**

The subject parcel is not within the Agricultural Land Reserve, and it is not adjacent to a municipality or First Nations Reserve Lands. As the rezoning would enable a subdivision without an increase in the number of permitted dwellings, school enrollments would not be impacted.

## **7. Bylaw Amendment**

Bylaw 555, 2013 is included under the Bylaw section of this agenda for consideration by the Board and first reading.

## **8. Referral to Agencies and Advisory Planning Commission**

Information related to this application and the proposed zoning bylaw amendment are being referred to the above-noted agencies and to the Graham Island Advisory Planning Commission for comments, which will be made available at a public hearing if not before.

The Board may choose to include other referral agencies if it feels they would be appropriate.



## **9. Timeline:**

- Application received February 4, 2013
- Additional information received February 27, 2013
- Review and comments received from consultant March 25, 2013
- Report to Board; referrals sent April 20, 2013
- Bylaw – proposed schedule:
  - 1<sup>st</sup> Reading – April 20, 2013
  - 2<sup>nd</sup> Reading – May 24, 2013
  - Public Hearing – June 22, 2013 (Saturday following Board meeting in Masset)
  - 3<sup>rd</sup> Reading and Adoption – Aug 9, 2013

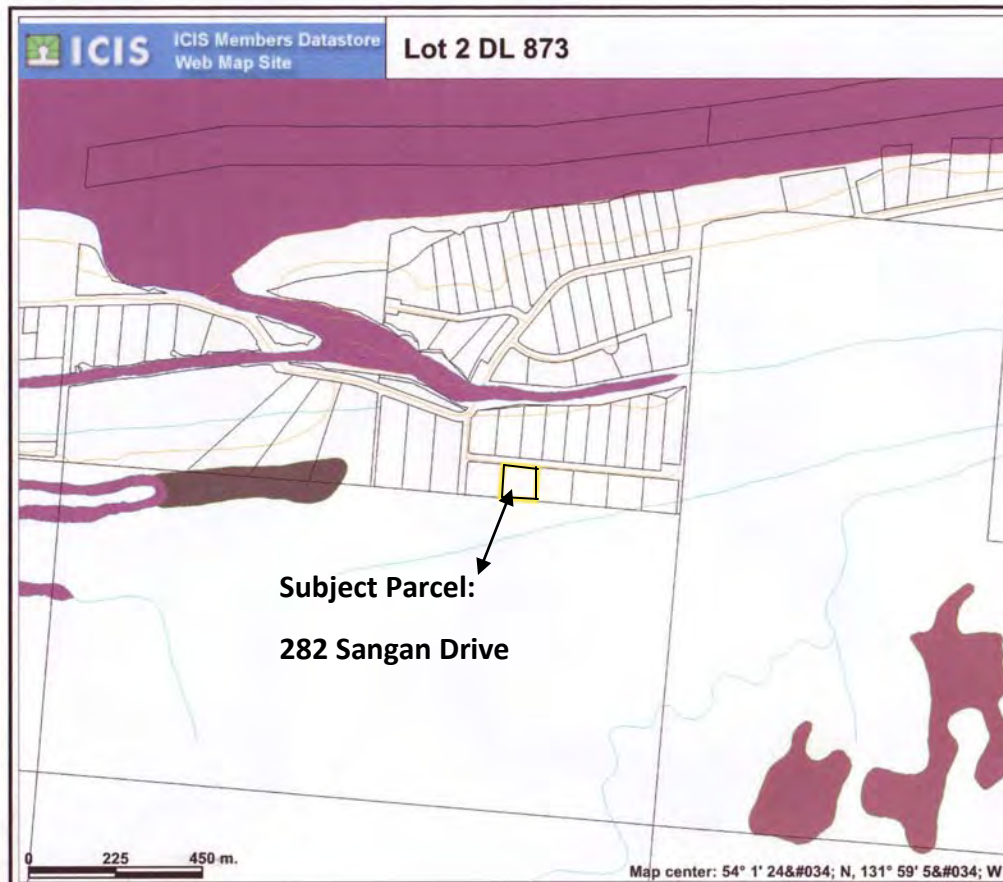
## **10. Recommendations**

Staff recommends the following with respect to this application:

- (a) That the Board considers whether referrals to agencies other than the following are appropriate and should be undertaken – Ministry of Transportation and Infrastructure, Northern Health, Ministry of Environment / Ministry of Forests, Lands and Natural Resources and BC Parks;
- (b) That First Reading be given to the Zoning Amendment Bylaw No. 555, 2013 (included separately in agenda) ; and
- (c) That a public hearing be scheduled for Saturday, June 22<sup>nd</sup>, 2013 in Masset, with comments from the Graham Advisory Planning Commission and agency referrals to be received by the Board either before or at the public hearing

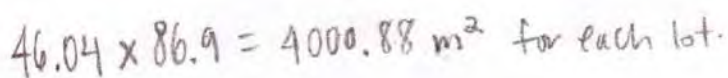


**Attachment A: Location of Lot 2, DL 873, PLAN PRP 41374**

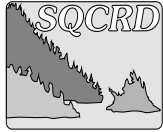




**Lot 2, DL 873, PLAN PRP 41374**







## STAFF REPORT

**DATE:** April 20, 2013

**FROM:** Joanne Fraser, Deputy Corporate Officer

**SUBJECT:** Changes to 2013 Board Meeting Schedule

### RECOMMENDATION:

THAT the staff report entitled "Changes to the 2013 Board Meeting Schedule" be received;

AND THAT the following changes be made to the 2013 Board meeting schedule:

- June 21<sup>st</sup> meeting be held in Masset Council Chambers;
- August 9<sup>th</sup> meeting be held in Prince Rupert Regional District office;
- October 18<sup>th</sup> meeting be held in Tlell; and
- Reschedule the November 15<sup>th</sup> meeting to November 22<sup>nd</sup>.

### BACKGROUND:

According to the Regional District's Procedure Bylaw No. 270, 2005, section 2(b) - Regular meeting of the Board shall be held at least once per year outside of the Regional District office at a location established by Board resolution.

### DISCUSSION:

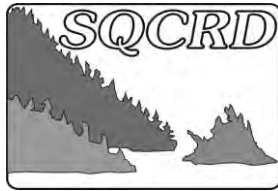
Staff has attached the current 2013 Board meeting schedule (Attachment 1) adopted by the SQCRD Board. At the time this schedule was adopted, staff had not scheduled a specific meeting outside of Prince Rupert. (Since that time, the April Board meeting was scheduled and is being held in Oona River.) In addition, staff had not received the 2013 schedule for the Regional Hospital District meetings.

With respect to the attached meeting schedule, staff recommends the following changes:

1. Hold the June 21<sup>st</sup> Board meeting in Masset Council Chambers.  
(2012 Board meetings held outside of Prince Rupert were in Sandspit, Queen Charlotte and Port Clements.)
2. Hold the August 9<sup>th</sup> meeting in Prince Rupert to coincide with the Regional Hospital District meeting.
3. Hold the October 18<sup>th</sup> meeting in Tlell (previously scheduled in Prince Rupert).
4. Reschedule the November 15<sup>th</sup> meeting to November 22<sup>nd</sup> to coincide with the Regional Hospital District meeting.

As the Board is aware, Inland Air has purchased North Pacific Seaplanes and the new flight schedule has changed substantially. Staff has attached the schedule for information (Attachment 2).





## SKEENA-QUEEN CHARLOTTE REGIONAL DISTRICT

**BOARD SCHEDULE 2013**

	<u>Date</u>	<u>Meeting Type</u>	<u>Time</u>	<u>Location</u>
*	January 18th	SQCRD Board Regular	7:00 PM	Prince Rupert
Saturday	January 19th (full day)	SQCRD Board Budget (R1)	10:00 AM	Prince Rupert
Saturday	February 9th (1/2 day)	SQCRD Board Budget (R2)	12:30 PM	Teleconference
*	February 15th	SQCRD Board Regular	7:00 PM	Prince Rupert
	March 1st	NCLGA Resolution Submission Deadline		-----
Saturday	March 2nd (1/2 day)	SQCRD Board Budget (R3)	10:00 AM	Teleconference
	March 7th - 8th	C2C Forum		Port Edward
	March 15th	Regional Hosp District Budget Adoption	7:00 PM	Prince Rupert
*	March 15th	SQCRD Board Regular	Following RHD	Prince Rupert
Saturday	April 20th	SQCRD Board Regular	7:00 PM	Oona River
Saturday	April 20th	Priority Setting Workshop	All Day	Oona River
	May 1st - 3rd	NCLGA Conference		Quesnel
*	<b>May 24th</b>	<b>SQCRD Board Regular</b>	<b>7:00 PM</b>	<b>Prince Rupert</b>
*	June 21st	SQCRD Board Regular	7:00 PM	To be Determined
	July	No Regular SQCRD Board Meeting		
*	<b>August 9th</b>	<b>SQCRD Board Regular</b>	<b>7:00 PM</b>	<b>To be Determined</b>
*	September 13th	SQCRD Board Regular	7:00 PM	Prince Rupert
	September 16th - 20th	UBCM Convention		Vancouver
*	October 18th	SQCRD Board Regular	7:00 PM	Prince Rupert
*	November 15th	SQCRD Board Regular	7:00 PM	Prince Rupert
*	December 13th	SQCRD Board Statutory	7:00 PM	Prince Rupert
*	December 13th	SQCRD Board Regular	7:15 PM	Prince Rupert

**Notes:**

\* Depicts the Regular SQCRD Board meetings.

Dates in bold coincide with the North West Regional Hospital District Board meetings.

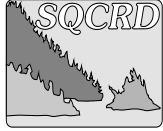


# INLAND AIR FLIGHT SCHEDULE - APRIL 2013

## PHONE -250-624-2577

<u>FREQ</u>	<u>DEPT PRINCE RUPERT TO PORT SIMPSON</u>	<u>ARR PORT SIMPSON</u>	<u>DEPT PORT SIMPSON</u>	<u>ARR PRINCE RUPERT</u>
TUE/THU	930AM	945AM	945AM	1000AM
TUE/THU	3:00PM	3:15PM	3:15PM	3:30PM
<u>FREQ</u>	<u>DEPT PRINCE RUPERT TO MASSET</u>	<u>ARR MASSET</u>	<u>DEPT MASSET</u>	<u>ARR PRINCE RUPERT</u>
MON TO FR	8:00AM	8:45AM	8:45AM	9:30AM
MON, WED, FRI	2:30PM	3:15PM	3:15PM	4:00PM
<u>FREQ</u>	<u>DEPT PRINCE RUPERT TO KITKATLA</u>	<u>ARR KITKATLA</u>	<u>DEPT KITKATLA</u>	<u>ARR PRINCE RUPERT</u>
MON TO FR	8:30AM	8:50AM	9:00AM	9:30AM
MON TO FRI	2:30PM	2:50PM	3:00PM	3:25PM





## STAFF REPORT

**DATE:** April 20, 2013  
**FROM:** Joanne Fraser, Deputy Corporate Officer  
**SUBJECT:** Electronic Agendas

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### RECOMMENDATION:

That the staff report entitled "Electronic Agendas" be received for information.

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### BACKGROUND:

At the November 23, 2013 Regular SQCRD Board Meeting, Resolution No. 400-2012 was adopted:

*MOVED by Director Kulesha, SECONDED by Director Ashley, that staff provide a report to the 2013 budget discussions on the Board potentially using laptops to view Board meeting agendas instead of paper.*

### DISCUSSION:

Staff has looked at several options of purchasing and managing laptops or other electronic devices; however, as there are no IT resources in-house, staff feels the process would be too complex to manage through the Regional District office.

Staff is recommending that an allowance of \$300 to \$400 per year (taxable benefit to Director) be provided to each Director wishing to purchase a laptop or other electronic device to use instead of a paper agenda. The current agenda process would remain the same in that the regular agenda would be posted to the website as well as emailed to each Director. The onus would be on the Director to have it downloaded prior to the actual Board meeting. The difference would be that the number of paper copies would be reduced.

In addition, staff has made changes to the way agendas are posted to the website, in that the entire agenda will be viewed in one file which will make it easier to follow during a meeting.

If the Board wishes to pursue the above option, staff will draft a policy for the Board's review.



**SKEENA-QUEEN CHARLOTTE REGIONAL DISTRICT****BYLAW NO. 555, 2013**


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A Bylaw to amend the Graham Island Interim Zoning Bylaw No. 192, 1993

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The Board of Directors of the Skeena-Queen Charlotte Regional District in open meeting assembled enacts as follows:

1. Map Schedules A1 and A of the Graham Island Interim Zoning Bylaw are amended by:
  - (a) Changing the zoning on Lot 2, District Lot 873 Queen Charlotte District Plan PRP41374, (P.I.E. 023-876-522) from the "R-2 Small Holdings District" to the "R-3 Residential District", shown on Schedule 1, attached hereto;
2. This bylaw may be cited as the "Graham Island Interim Zoning Amendment Bylaw No. 555, 2013.

**READ A FIRST TIME this**

\_\_\_\_ day of \_\_\_\_\_, 2013.

**READ A SECOND TIME this**

\_\_\_\_ day of \_\_\_\_\_, 2013.

Ministry of Transportation and Infrastructure  
Approval required prior to public hearing.

**READ A THIRD TIME this**

\_\_\_\_ day of \_\_\_\_\_, 2013.

Ministry of Community, Sport and Cultural  
Development approval not required under  
BC Regulation 279/2003.

**FINALLY ADOPTED this**

\_\_\_\_ day of \_\_\_\_\_, 2013.

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B. Pages  
Chair

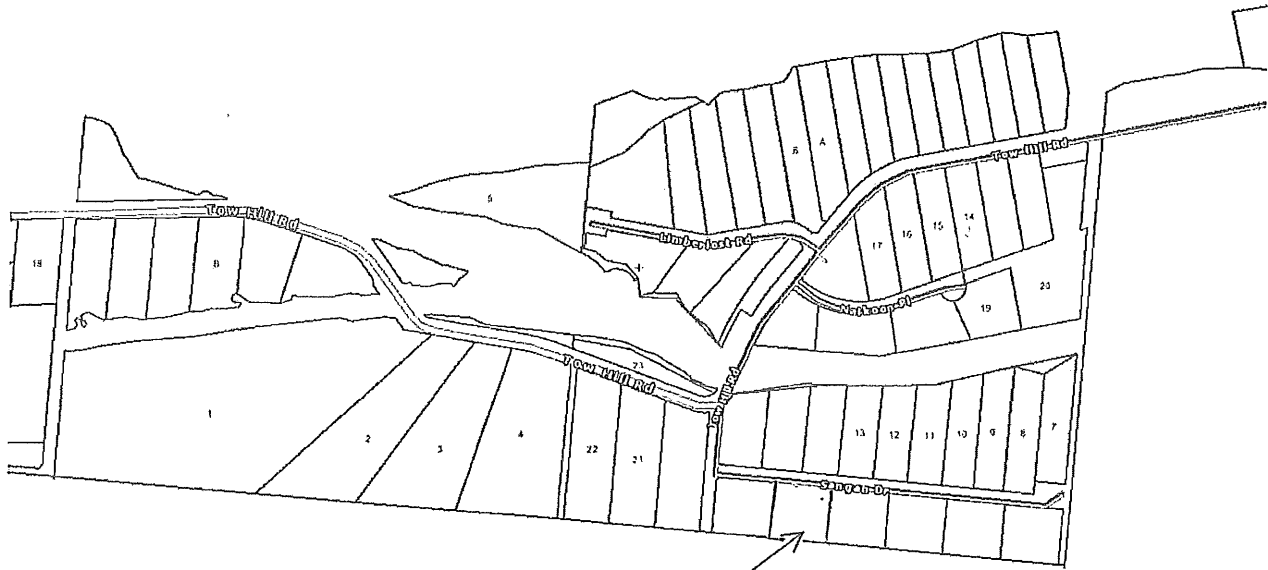
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J. Merrick  
Chief Administrative Officer



**Bylaw 555, 2013 Schedule 1**

**Subject Parcel 282 Sangan Drive.**



Subject Property - Lot 2, DL 873, QCD, Plan  
PRP41374  
Proposed rezoning from R-2 to R-3 to allow for  
future subdivision to create two lots.



**SQCRD Info**

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**From:** FrontCounterBC@gov.bc.ca  
**Sent:** Thursday, April 04, 2013 3:23 PM  
**To:** jmerrick@sqcrd.bc.ca; info@sqcrd.bc.ca  
**Subject:** Referral Request - Aquaculture Use Application

Skeena Queen Charlotte Regional District  
 Joan Merick, Joanne Fraser

Aquaculture  
 Referral Number: 60965959 - 004  
 Reference Number: 101173  
 Request Sent: April 4, 2013  
 Response Due: May 4, 2013

You are invited to comment on the following application package. A response is optional. If no response is received by the deadline, the application and adjudication process for the Crown land tenure application will move forward. Please be advised that as the federal and provincial agencies have developed a harmonized approach to aquaculture management, your response will be shared with Fisheries and Oceans Canada and Transport Canada.

This is a provincial Crown land, federal licence and navigable waters approval application for aquaculture shellfish purposes.

Proponent: Metlakatla Development Corporation

Tenure Type: Licence

Intended Land Use/background context: Aquaculture, Shellfish

Location: West side of Digby Island, 300 m Northwest Snider Rock

BCGS Mapsheet: 103J.028

General Description: Unsurveyed Crown foreshore or land covered by water, being part of the bed of Chatham Sound, Range 5, Coast District

Size (Area) ha (approx): 194.392 ha +/-

Schedule/Term Of Proposal: 5 years

Please [Click Here](#) to respond to this referral. You must be logged in using your BCeID account to view associated information. Note that forwarding or otherwise distributing this email will provide access to the associated information only if the receiver has a corresponding account.

For "how-to" instructions on how to respond to this request, please visit <http://www.frontcounterbc.gov.bc.ca/ereferrals.html> for instructional videos. To obtain a BCeID, please visit <https://www.bceid.ca/>



For technical assistance with e-Referrals, please contact FrontCounter BC at 1-877-855-3222.

For more information regarding this referral, please contact the "Email Coordinator" given within the referral.

Note that it can take an extended period of time to connect from the BCeID login to the e-Referrals website, this is normal. Avoid re-clicking the "Next" button or you could extend this connection time.

Please do not reply to this email.

Kenneth Albrecht

FrontCounterBC  
Technical Land Officer

(250) 751-3106  
[Kenneth.Albrecht@gov.bc.ca](mailto:Kenneth.Albrecht@gov.bc.ca)



## Referral Response

Referral Type:	Aquaculture	Referral Number:	60965959
Reference Number:	101173	Recipient Number:	004
Request Sent Date:	Apr 4, 2013	Response Due Date:	May 4, 2013
Status:	Open	Contact:	<a href="#">Email Coordinator</a>
Completion Date:	mmm dd, yyyy	Name:	Skeena Queen Charlotte Regional District
		Recipient List:	Joan Merick, Joanne Fraser

Respondent  
Name:

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Schedule/Term Of Proposal: 5 years

**To re-assign this referral request to another member of your Agency, choose the name from the drop down list and then press the Reassign to Other Agency Staff button.**

(None) ▼ [REASSIGN TO OTHER AGENCY STAFF](#)

## REFERRAL DOCUMENTS

Description	File Name
<a href="#">View</a> Application	1414054 Referral Application.pdf
<a href="#">View</a> Explanatory Document	Explanatory Document.pdf

## QUESTIONS

Please answer the following questions. Where indicated or required, please explain your answer in the Response Text box provided.

If it would help to explain your answer, please upload any relevant documents below, and indicate indicate "Document Attached" in the Response Text box.

☐ Yes

☐ No

☐ N/A

Does this application impact your agency's legislated responsibilities? If yes, how will the proposal impact your legislated responsibility and please identify the relevant legislation (section) and what mitigative measures will be required to address these impacts in the response text box at the bottom of the page.

If the proposal proceeds, will the proponent require approval or a permit from your agency? If yes,



- ☐ Yes ☐ No ☐ N/A please explain in response text box at the bottom of the page.
- ☐ Yes ☐ No ☐ N/A Will on-going compliance monitoring be required by your agency as a result of your legislated responsibilities? If yes, please explain what will be required in the response text box at the bottom of the page.
- ☐ Yes ☐ No ☐ N/A Will this application affect public use of this area? If yes, please explain in the response text box at the bottom of the page.
- ☐ Yes ☐ No ☐ N/A For Municipal/Regional Government Use Only: Is the application area zoned for the proposed purpose? If no, please provide the current zoning. In the event the applicant wishes to apply for re-zoning, please also provide the estimated time required for this decision. Your comments can be entered in the response text box at the bottom of the page.

**RECOMMENDATIONS**

Please check one. Where indicated or required, please explain your answer in the box provided.

If it would help to explain your answer, please upload any relevant documents below, and Indicate "Document Attached" in the Response Text box.

- ☐ Interests unaffected
- ☐ No objection to approval of project.
- ☐ No objection to approval of project subject to the conditions outlined below
- ☐ Recommend refusal of project due to reasons outlined below.
- ☐ N/A

Response Text:

[+]  
[-]

**DOCUMENTS**

Description

File Name

UPLOAD

Choose the Save button to save information already provided, and allow you to come back at a later time to finish.

SAVE

Choose the Submit Response button to send your completed response. Once the response is submitted you can no longer change the response.

SUBMIT RESPONSE

Choose the No Response button to submit this request with No Response. Once the response is submitted you can no longer change the response.

NO RESPONSE

Cancel Spell Check

↑ Top





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FOR INTERNAL USE	
File Number: 1414054	Project Number: 101173
Disposition Number: 904043	Client Number: 5957

## PACIFIC SHELLFISH AQUACULTURE APPLICATION

Ministry of Forests, Lands and Natural Resource Operations  
Fisheries and Oceans Canada  
Transport Canada

### PART I – GENERAL APPLICANT INFORMATION

#### SECTION A: APPLICANT AND GENERAL INFORMATION

1. Applicant Name(s) (Full Legal Name(s) or Registered Company Name)  Metlakatla Development Corporation		Applicant Business Information: Telephone: (250) 628 3201 Cell: ( ) Fax: (250) 628 9259 Email:	
2. Applicant Business Mailing Address:  P.O. Box 224, Prince Rupert, BC		Postal Code: V8J 3P6	
3. Doing Business as:		4. BC Inc #, BC Registration # or BC Society # BC Society # S-25503	
5. Physical Business Address (if different from above): 3L Duncan St, Metlakatla, BC, V0V 1H0			
6. Contact Name (if different from above):  Harold Leighton		Contact Business Information: Telephone: (250) 628 3201 Cell: ( ) Fax: (250) 628 9259 Email: hleighton@metlakatla.ca	
7. Agent/ Representative (if applicable):  Vittorio Venturini		Agent/Representative Business Information: Telephone: (250) 627 7600 Cell: (779) 884 4321 Fax: (250) 622 0747 Email: vittorio.venturini@coastalshellfish.com	
8. Business Mailing Address of Agent/Representative:  206-100 McBride St., Prince Rupert, BC		Postal Code: V8J 3E8	
		Letter of Authorization: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

ATS 101173



<b>9. Type of Application:</b>		
<input checked="" type="checkbox"/> New site      Tenure Type: <input checked="" type="checkbox"/> Licence of Occupation <input type="checkbox"/> Lease <input type="checkbox"/> Investigative Permit		
<input type="checkbox"/> Amendment  Amendment Type:  <input type="checkbox"/> Tenure Area  <input type="checkbox"/> Infrastructure  <input type="checkbox"/> Production  <input type="checkbox"/> Species  <input type="checkbox"/> Other (Describe)	<u>Currently Approved</u> (required only for type of amendment applied for, attach additional page if necessary)	<u>Proposed</u>
<input type="checkbox"/> Licence Holder Change      Current Licence Holder Name:		
<b>10. Government Reference Numbers</b>		
BC Land File # (Crown land)	DFO Aquaculture Licence #	NWPA #
OR	AND	
Park Use Permit # (Park/Protected land)	Site Reference #	Parcel Identification # (Private land)



## SECTION B: SITE AND INFRASTRUCTURE INFORMATION

### 1. Site Category

<input checked="" type="checkbox"/> Provincial Crown Land	<input type="checkbox"/> Provincial Park	<input type="checkbox"/> Private Land
<input type="checkbox"/> Federal Land	<input type="checkbox"/> First Nation Reserve	<input type="checkbox"/> Other

2. Geographic location of site: West side of Digby Island, 300 meters North-West Snider Rock

3. Site Common Name: Digby Island Site

4. DFO Area: 4 Sub Area: 4-9

5. Canadian Hydrographic Service Chart (CHS) Marine Chart Number (if water-based): 3957 OR

Topographical Map Number (if land-based): \_\_\_\_\_

6. If the site is surveyed, provide legal description of site (e.g., Land District and Lot Number):

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7. If the site is not surveyed, provide metes and bounds description from a surveyed point or geographic coordinate: \_\_\_\_\_

Unsurveyed land located at South end of Chatham Sound on the West side of Digby Island. Rectangular shaped. Northern corner (54d 16.162' N - 130d 27.688'W) located 1,224 meters at 284d 4.858' from Snider Islet.

2,025 meters long South East (145d 37.560') from northern corner and 960 meters wide South West (235d 37.560') from Northern corner.

8. Provide GPS coordinates for the center of the application area/tenure:

Latitude: 54° 15' 34" N

Longitude: 130° 27' 31" W

9. Total Area of site (Hectares): 194.4

(Please provide a shape file if available)

10. Culture Type (indicate all that apply):

- ☐ Intertidal Beach culture – culture activities take place between the high water mark and the low water mark (chart datum).
- ☐ Subtidal on/in bottom culture – culture activity takes place on the sea floor below chart datum. See Part III, Section G.



- ☒ Deepwater Suspended culture – culture activity takes place on the surface or within the water column.
- ☐ Nursery Operation – culture activity includes juvenile rearing
- ☐ Marine Hatchery operation – culture activity includes spawning adults and larval rearing other than natural setting of spat or juveniles in the marine environment at the application site

**NOTE:** For a land-based **Hatchery Operation** where the culture activity includes spawning adults and larval rearing other than natural setting of spat or juveniles at the application site, use the application for **PACIFIC FRESH WATER and LAND BASED AQUACULTURE**

11. Physical Structures (Improvements): Complete table below by checking all applicable structures, existing and proposed, and estimated area of the application site that will be covered all existing and planned structures. Where applicable note the number, dimensions of structures.

There are specific conditions of licence for shellfish aquaculture that licence holders must adhere to pertaining to the installation, inspection and maintenance of structures and gear. Please review these carefully in the Guide or on the DFO internet site at :

<http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/shell-cog-eng.htm>.

Table 11.1.

DESCRIPTION OF STRUCTURES	EXISTING AT THE SITE	NEW PROPOSED	NEW ESTIMATED TOTAL AREA (m <sup>2</sup> ) of Coverage
<b>Predator Protection:</b> Predator netting (intertidal beach or subtidal bottom)	<input type="checkbox"/>	<input type="checkbox"/>	
Predator netting (suspended culture vertical netting)	<input type="checkbox"/>	<input type="checkbox"/>	
Tubes (eg. Sections PVC or other material used in intertidal areas)	<input type="checkbox"/>	<input type="checkbox"/> <sup>1</sup>	
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Intertidal Beach Modification:</b> Rock Walls	<input type="checkbox"/>	<input type="checkbox"/> <sup>1</sup>	
Trenches	<input type="checkbox"/>	<input type="checkbox"/> <sup>1</sup>	
Berms	<input type="checkbox"/>	<input type="checkbox"/> <sup>1</sup>	
Rack and Bag systems <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/> <sup>1</sup>	
<b>Nursery Infrastructure:</b> FLUPSY	<input type="checkbox"/>	<input type="checkbox"/>	
Intertidal remote setting	<input type="checkbox"/>	<input type="checkbox"/> <sup>1</sup>	



DESCRIPTION OF STRUCTURES	EXISTING AT THE SITE	NEW PROPOSED	NEW ESTIMATED TOTAL AREA (m <sup>2</sup> ) of Coverage
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>	
Suspended Culture Gear: Rafts	<input type="checkbox"/>	<input type="checkbox"/>	
Longlines	<input type="checkbox"/>	<input checked="" type="checkbox"/> 470	1,587,000
On/In bottom Subtidal Culture Gear: Containment structure(s) for adults or juveniles	<input type="checkbox"/>	<input type="checkbox"/>	
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>	

Table 11.2.

DESCRIPTION OF STRUCTURES	EXISTING AT THE SITE	NEW PROPOSED	TOTAL NUMBER	DIMENSION (m or m <sup>2</sup> ) of EACH STRUCTURE	NEW ESTIMATED TOTAL AREA (m <sup>2</sup> ) of Coverage
Work Floats: Product handling or storage	<input type="checkbox"/>	<input type="checkbox"/>			
Living accommodations	<input type="checkbox"/>	<input type="checkbox"/>			
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>			

Table 11.3.

DESCRIPTION OF STRUCTURES	EXISTING AT THE SITE	NEW PROPOSED	DESCRIPTION OF STRUCTURES	EXISTING AT THE SITE	NEW PROPOSED
Site Marking: Blocks	<input type="checkbox"/>	<input type="checkbox"/>	Navigational Markers	<input type="checkbox"/>	<input checked="" type="checkbox"/> 50
Sinking groundline	<input type="checkbox"/>	<input type="checkbox"/>	Mooring lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> 940
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>	Anchor blocks	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1,880
			Anchor blocks DEPTH (m):		40 - 50

<sup>1</sup> Note that certain physical structures may require redesign, relocation, mitigation and/or a fish habitat information survey review and approval prior to installation. See Part III, Section G.

<sup>2</sup> Note that if anchor blocks are located in waters between chart datum and -10 m see note 1.



## **SECTION C: MAPS AND DIAGRAMS**

Attach the following maps and diagrams. They must be submitted to scale and be consistent with the other information in this application. Please refer to the Guide for details and sample diagrams.

### **a. Location Maps**

- i. Provide a photocopy or scanned section of a topographic map (if the site is located on land) or a Canadian Hydrographic Service (CHS) Marine Chart (if the site is located in marine waters) at a scale of 1:50,000 to 1:250,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
- ii. Provide a photocopy or scanned section of a Canadian Hydrographic Service (CHS) Marine Chart (if the site is located in marine waters), or Cadastral map, or Topographical map (if the site is located on land) of a scale between 1:20,000 and 1:40,000, showing the general location of the area under application.

### **b. Operational Diagrams**

- i. A 1:5000 scale hydrographic chart (with all measurements in meters) showing the boundaries of the application area, the high and low water marks, all physical structures (improvements) associated with the proposed operation, including any existing substrate modifications (trenches, berms), as indicated in Section B, Table 15.
- ii. A 1:2000 schematic diagram showing a side view of the proposed operation, which at minimum must illustrate and itemize all structures above the surface. Include all intertidal and underwater structures from the surface of the water at chart datum to the sea bed at the most shallow point of the site that contains or will contain the deepest hanging structures (i.e. where culture gear will hang nearest to the subtidal sea floor).

Note: If drawings are larger than 11" x 17", Transport Canada requires that you enclose five (5) copies. For drawings 11" x 17" or smaller, one (1) copy will be sufficient.



#### **SECTION D: WATER USE**

1. Will fresh water be used at this facility? ☐ Yes ☒ No
2. If yes, and if water source is surface water (not ground), provide name:  
\_\_\_\_\_
3. If you already have a water licence at this site, please provide licence number, or provide date of submission of an application:  
\_\_\_\_\_

#### **SECTION E: FIRST NATIONS CONSIDERATION**

Please describe any contact you may have had, including the name of the First Nation(s) and individuals contacted. Consult the consultative Area Database (CAD) Public Map Service for First Nations contact information instructions and supporting information - [ftp://ftp.geobc.gov.bc.ca/pub/outgoing/CAD/CAD\\_Public\\_Map\\_Service-User\\_Guidance-Technical\\_Instructions.pdf](ftp://ftp.geobc.gov.bc.ca/pub/outgoing/CAD/CAD_Public_Map_Service-User_Guidance-Technical_Instructions.pdf).

Digby Island proposed site is in the Metlakatla Nation's Territory having territorial rights in the location. Finally Metlakatla First Nations is the proponent for the Aquaculture Licence through the Metlakatla Development Corporation .

Contact Person: Chief Harold Leighton  
Phone: 250- 628 3201





## **PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS**

The following information, along with Part I and Part V, is required for the adjudication of the Provincial Crown Land Tenure application under the BC Land Act.

### **SECTION A: SITING CONSIDERATIONS**

Applicants must respond to each consideration and may be required to provide additional information in some situations.

**YES NO**

☒ ☐ Is the upland property Crown land?

If no, do the proposed structures infringe on the riparian rights of an upland owner? ☐ Yes ☒ No

If no, has the owner provided written consent for you to occupy the site for the term of the tenure? ☐ Yes ☒ No

If yes, include a copy of the written consent.

☐ ☐ Is the intended use consistent with approved local government bylaws for land use planning and zoning? No information available. Discussions with the Regional District are planned in the future

Provide the name of the Regional District or Municipality for the area:

Skeena - Queen Charlotte Regional District

If no, have you discussed your application with local government and have you initiated a re-zoning process? ☐ Yes ☒ No Please provide details:





### **PART III - INFORMATION FOR FISHERIES AND OCEANS CANADA**

The following information is required as part of the Federal aquaculture licence application to make a decision for licensing under the *Pacific Aquaculture Regulations*.

#### **SECTION A: ELIGIBILITY FOR A SHELLFISH AQUACULTURE LICENCE**

Eligibility for a federal Shellfish Aquaculture licence requires adherence to general Conditions of Licence. The general Conditions of Licence for shellfish aquaculture can be found at:

<http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/shell-coq-eng.htm>.

This completed document, when approved, will form the Site Management Plan on which your aquaculture licence conditions will be based. Please review the Conditions of Licence prior to submitting your application.

#### **SECTION B: SANITARY GROWING WATER STATUS – BIVALVES ONLY**

1. Is the application site or any portion of it located in marine waters that are classified as:

- ☐ Approved or Conditionally Approved for direct harvest of bivalve shellfish
- ☐ Restricted or Conditionally Restricted (no direct harvest of bivalve shellfish is permitted - depuration or relay may be permitted depending of the water quality sample results)
- ☐ Closed / Prohibited to the harvest of bivalve shellfish
- ☒ Unknown

2. Is the application site or any portion of it located in marine waters that are classified as:

- ☐ Prohibited – within 125 meters of fin fish net pens
- ☐ Prohibited – within 125 meters of a marina
- ☐ Prohibited - within 125 meters of floating living accommodation





### SECTION C: INTERTIDAL BEACH CULTURE

1. Estimated Intertidal culture area \_\_\_\_\_ hectares (culture area located between high tide and chart datum)

2. Intertidal Area Details by Species:

Check all that apply	Species Common Name	Species Scientific Name	First year that production (sale) is anticipated to occur	Annual Production Estimate (MT)	Source of Stock by species for Culture at this Site (check all that apply) <sup>1</sup>		
					Hatchery	Natural Sets on Site	Other Stock Source
<input type="checkbox"/>	Butter Clam	<i>Saxidomus giganteus</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Geoduck Clam	<i>Panopea generosa</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Kumamoto Oyster	<i>Crassostrea sikamea</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Manila Clam	<i>Venerupis philippinarum</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Littleneck Clam	<i>Protothaca staminea</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Nuttall's Cockle	<i>Clinocardium nuttallii</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Olympia Oyster	<i>Ostrea conchaphila</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Pacific Oyster	<i>Crassostrea gigas</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Varnish Clam	<i>Nuttallia obscurata</i>			N/A	<input type="checkbox"/>	N/A
<input type="checkbox"/>	Other:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Annual Production estimate:					(MT)		

<sup>1</sup> Note: The source of stock for the licensed site may require additional authority to harvest wild fish from on or off your site for use as brood stock or for on-growing, as well as specific transfer and/or import licences from the Canadian Food Inspection Agency (CFIA) and the Introductions and Transfers Committee (ITC). See Section H.

3. Do you intend to use a Mechanical Clam Harvesting machine or 'stinger' harvest gear at this site?

☐ Yes

☐ No

If yes, see Section G.

4. Do you intend to use a motorized vehicle (i.e. truck or ATV) on an intertidal portion of your licensed area?

☐ Yes

☐ No

If yes, see Section G.



**SECTION D: SUBTIDAL ON/IN BOTTOM CULTURE**

**Note: All subtidal on/in bottom culture operations must refer to Section H.**

1. Estimated subtidal on/in bottom culture area \_\_\_\_\_ hectares (for the area of the sea floor below chart datum)

2. Subtidal On/In Culture Area Details by Species :

Check all that apply	Species Common Name	Species Latin Name	First year that production (sale) is anticipated to occur	Annual Production Estimate (MT)	Source of Stock by species for Culture at this Site (check all that apply) <sup>1</sup>		
					Hatchery	Natural Sets on Site	Other Stock Source
<input type="checkbox"/>	California Sea Cucumber	<i>Parastichopus californicus</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Nuttall's Cockle	<i>Clinocardium nuttallii</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Manila Clam	<i>Venerupis philippinarum</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Geoduck Clam	<i>Panope generosa</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Red Sea Urchin	<i>Strongylocentrotus droebachiensis</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Green Sea Urchin	<i>Strongylocentrotus droebachiensis</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Other:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Annual Production Estimate:					(MT)		

<sup>1</sup> Note: The source of stock for the licensed site may require additional authority to harvest wild fish from on or off your site for use as brood stock or for on-growing, as well as specific transfer and/or import licences from the Canadian Food Inspection Agency (CFIA) and the Introductions and Transfers Committee (ITC). See Section H.

3. Do you plan to provide any supplemental feeding of your aquaculture species at this site?

☐ Yes

☐ No

**SECTION E: DEEPWATER SUSPENDED CULTURE**

1. For deepwater suspended culture sites:

Estimated suspended structures culture area 158.7 hectares





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Minimum Depth below Structures at chart datum: 30 meters, as measured from the deepest hanging trays, lines, etc to the sea floor.

2. Deep water suspended culture area details by species:

Check all that apply	Species Common Name	Species Latin Name	First year that production (sale) is anticipated to occur	Annual Production Estimate (MT)	Source of Stocking by species for Culture at this Site (check all that apply) <sup>1</sup>		
					Hatchery	Natural Sets on Site	Other Stocking
<input type="checkbox"/>	Eastern Blue Mussel	<i>Mytilus edulis</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Gallo Mussel	<i>Mytilus galloprovincialis</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Western Blue Mussel	<i>Mytilus trossulus</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Pacific Oyster	<i>Crassostrea gigas</i>	2015	500	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Eastern Oyster	<i>Crassostrea virginica</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	European Oyster	<i>Ostrea edulis</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Kumamoto Oyster	<i>Crassostrea sikamea</i>	2015	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Geoduck Clam	<i>Panope generosa</i>					
<input type="checkbox"/>	Giant Rock Scallop	<i>Crassadoma gigantea</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Japanese Scallop	<i>Mizuhopecten yessoensis</i>	2014	2,813 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Pacific Scallop (hybrid)	<i>Patinopecten</i> x.	2014	2,813 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Pink Scallop	<i>Chlamys rubida</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Spiny Scallop	<i>Chlamys hastata</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Weathervane Scallop	<i>Patinopecten caurinus</i>	2014	2,813 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Red Sea Urchin	<i>Strongylocentrotus franciscanus</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Green Sea Urchin	<i>Strongylocentrotus droebachiensis</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Application Version number: DRAFT 1.2

Effective Date: 15-Jun-2012

(1) Note: Annual Production Estimate must be understood as if only one species is farmed using full farm capacity





Check all that apply	Species Common Name	Species Latin Name	First year that production (sale) is anticipated to occur	Annual Production Estimate (MT)	Source of Stocking by species for Culture at this Site (check all that apply) <sup>1</sup>		
					Hatchery	Natural Sets on Site	Other Stocking
<input type="checkbox"/>	California Sea Cucumber	<i>Parastichopus californicus</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Spot Prawn	<i>Pandalus platyceros</i>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Other:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Total Annual Production Estimate:</b>					<b>(MT)</b>		

<sup>1</sup> Note: The source of stock for the licensed site may require additional authority to harvest wild fish from on or off your site for use as brood stock or for on-growing, as well as specific transfer and/or import licences from the Canadian Food Inspection Agency (CFIA) and the Introductions and Transfers Committee (ITC). See Section H.

## **SECTION F: DOMESTIC WASTE MANAGEMENT**

NOTE: Bivalve shellfish (clams, oysters, mussels, scallops) shall not be cultivated, stored, or harvested within 125 m of any floating living accommodation unless:

- the cultivated bivalves are seed and  
<http://www.inspection.gc.ca/english/fssa/fispoi/man/cssppccsm/define.shtml>
- a licence under the Management of Contaminated Fisheries Regulations (<http://www.pac.dfo-mpo.gc.ca/fm-gp/licence-permis/ShellfishFishingApplication.pdf>) has been obtained for the licensed area to harvest seed from a prohibited area; or
- an approved Zero-Discharge Management Plan is in place that reduces the prohibited harvest area to 25m.

1. Is there is floating living accommodation within the marine waters of the application area?

☐ Yes      ☒ No

2. If yes, is there an approved zero waste discharge management plan in effect for this site?

☐ Yes      ☐ No      ☐ Not applicable

3. Please provide description and location of sanitary facilities for your own and staff needs.

There won't be sanitary facilities on site since they are not needed





4. Please provide the method(s) for storage and disposal of your other waste materials. (e.g., the location of an approved landfill for disposal of your waste materials)

There won't be any sorting or cleaning procedure on site; therefore, no waste will be generated

## **SECTION G: FISH HABITAT IMPACTS**

Fisheries and Oceans Canada – Aquaculture Management Division (DFO - AMD) is responsible for the sustainable management of aquaculture in British Columbia.

Like other types of industrial development taking place in and around water, aquaculture projects have the potential to affect fish<sup>1</sup> and fish habitat<sup>2</sup>.

You are completing this section because you have identified that you will be undertaking an activity that may result in a harmful alteration, disruption or destruction of fish habitat. Please note: if you are referred to an Application Guide section or to contact the Aquaculture Environmental Operations group (AEO), habitat mitigation, relocation, redesign and/or biophysical assessments may be required.

Please note aquaculture activities may not occur in salt marsh habitat. Aquaculture activities must not result in harm to a Species at Risk Act (SARA) listed species, their residence, or their critical habitat, as defined in the associated Recovery Strategy, or Action Plan.

### **1. Intertidal Culture Operations**

- a) Are you proposing to undertake: substrate modifications (i.e. constructing rock walls, trenches, berm or other substrate addition, redistribution or removal); or remote setting on your licenced area?

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☐ No - no additional information is required.

- b) Are you proposing to: use rack and bag structures; use a mechanical clam harvester; and/or use a motorized vehicle (i.e. truck or ATV) or a 'stinger' (high pressure water wand harvesting gear) on your licenced area in any of the following habitats?

- (1) intertidal stream channels  
(2) eelgrass beds (*Zostera* sp.)  
(3) fish spawning areas

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☐ No - no additional information is required.





c) Are you planning to access your licensed area through a marine riparian area?

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☐ No - no additional information is required.

## 2. Suspended Culture Operations

a) Are you proposing to install any aquaculture structures or conduct aquaculture activities (including anchor system placement) in waters shallower than -10m (measured from chart datum)?

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☒ No - no additional information is required.

b) Are you proposing to install any aquaculture structures or conduct aquaculture activities (including anchor system placement) in waters deeper than 10m (measured from chart datum) and over any of the following habitats?

1. rocky reefs
2. kelp beds
3. fish spawning areas

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☒ No - no additional information is required.

## 3. Subtidal On / In-Bottom Culture Operations

a) Are you proposing to install any temporary or permanent in- or on-bottom aquaculture structures (e.g. bags on bottom, cages, nursery structures, etc.) other than site boundary markers?

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☐ No - no additional information is required.

b) Are you proposing to use harvesting methods other than hand picking or using a stinger (high pressure water wand gear)?

- ☐ Yes - please see Application Guide or contact AEO (see contact information)  
☐ No - no additional information is required.

<sup>1</sup> shellfish, crustaceans, marine animals and any parts of shellfish, crustaceans or marine animals, and the eggs, sperm, spawn, larvae, spat and juvenile stages of fish, shellfish, crustaceans and marine animals;

<sup>2</sup> spawning grounds and nursery, rearing, food supply and migration areas on which fish depend directly or indirectly in order to carry out their life processes.





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#### **SECTION H: ADDITIONAL SUPPORTING INFORMATION**

A separate application may be required to access fish, import species, or to introduce or transfer some species within British Columbia. See Reference guide for details.

Additional information on Shellfish Transfer Zones in BC and the requirements for the importation, introduction or transfer of shellfish is located in the Conditions of Licence at <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/shell-coq-eng.htm>





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## ***PART IV – INFORMATION FOR TRANSPORT CANADA***

The following information, along with Part I and Part V, is required for the adjudication of the NWPA approval under the *Navigable Waters Protection Act*.

### **SECTION A: SITING CONSIDERATIONS**

Applicants must respond to each consideration and may be required to provide additional information in some situations.

YES NO



Is the site situated greater than 30 m from the edge of the approach channel to a small craft harbour, federal wharf or dock?

### **SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION**

1.a) Waterway Name: South end of Chatham Sound, West Side of Digby Island

b) Width(m): \_\_\_\_\_ c) Depth Range(m): \_\_\_\_\_

2.Nearest Community: Prince Rupert, BC

3.Is this Work: ☒ Proposed ☐ Existing ☐ Modification of Existing Work

4. To help with the review process, please include the following:

☐ Photographs at the site of the proposed/existing work and surrounding area

☐ Environmental Assessment documents (if any)





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## **PART V – INFORMATION FOR ALL AGENCIES**

**All applicable components of this application package must be complete. Incomplete applications will be returned to applicant. Applicable fees must be submitted at time of application.**

### **Provincial Fees:**

Note that the current fee schedule does not include the taxes that apply.

### **Forms of Payment:**

- Cheques or Money orders must be in Canadian Funds to **Minister of Finance**
- Debit Card (in-person only)
- Visa and MasterCard payments are accepted in-person or over the telephone. 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.

FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency. Payment will not be accepted even if it has "CDN Funds" handwritten on the cheque.

**PLEASE NOTE:** Additional items may be required (eg. Advertising, Security Deposit, Proof of Insurance, Letter of Consent). Some items may have additional associated costs or require additional processing time.

The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPP Act); the federal *Access to Information Act*; and the federal *Privacy Act*. The personal information collected by the Government of BC is collected under the authority of section 26 (c) of the FOIPP Act and will be used to process your application(s) and will be shared only with the necessary government agencies needed to provide you with the service that you have requested. If you have any questions regarding the handling of your personal information, please contact FrontCounter BC at 1-877-855-3222 or by writing to Manager, Provincial Operations, FrontCounter BC at 441 Columbia Street, Kamloops, BC V2C 2T3 and/or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada.

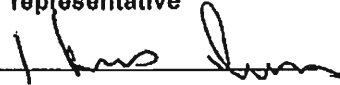
The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*. I understand that the information supplied will be used to review my applications under the *BC Land Act*, *BC Fisheries Act* (until such time as it is amended) *Federal Fisheries Act* and the *Navigable Waters Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.





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Signature(s) of Applicant(s) or authorized representative	Name(s) of Applicant(s) or authorized representative*	Date
	HAROLD LEIGHTON	July 10th -2012
_____	_____	_____
_____	_____	_____
_____	_____	_____

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.

**Submit completed application, and additional supporting information (if applicable) to:**

**In Person: Any FrontCounter BC office.**

**Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.**

**By Mail: FrontCounter BC, 2080a Lableux Road, Nanaimo, BC V9T 6J9**

**By Email: [frontcounterbc@gov.bc.ca](mailto:frontcounterbc@gov.bc.ca)**

**(NOTE: IF FEES ARE APPLICABLE, CLIENT MUST CONTACT FRONTCOUNTER BC BY TELEPHONE WITH CREDIT CARD INFORMATION PRIOR TO SUBMITTING THE APPLICATION ELECTRONICALLY. DO NOT INCLUDE PAYMENT (CREDIT CARD) INFORMATION VIA EMAIL OR FAX.)**

**PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS**

**APPLICATIONS ARE NOT TRANSFERABLE**

**THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES**



July 10<sup>th</sup>, 2012

**FISHERIES AND OCEANS CANADA**

**Appointment of Agent : Applying for an Aquaculture Licence**

Dear Sir/Madam,

With reference to the above, we wish to appoint the below-mentioned Agent to act on our behalf in the processing of this application

**1. AGENT DETAILS**

Name	:	Vittorio Venturini
Company/Institution	:	Coastal Shellfish Corporation
Address	:	206 - 100 McBride Street, Prince Rupert, BC V8J 3E8
Telephone Number	:	(250) 627-7600
Fax Number	:	(250) 622-0747
Email address	:	vittorio.venturini@coastalshellfish.com

**2. PURPOSE OF APPOINTMENT**

To handle the Pacific Shellfish Aquaculture Application for a Licence at South end of Chatham Sound, west side of Digby Island, 800 meters west of Snider Islet.

**3. TERM OF APPOINTMENT**

Until Issuance of the Aquaculture Licence

**4. APPLICANT DETAILS**

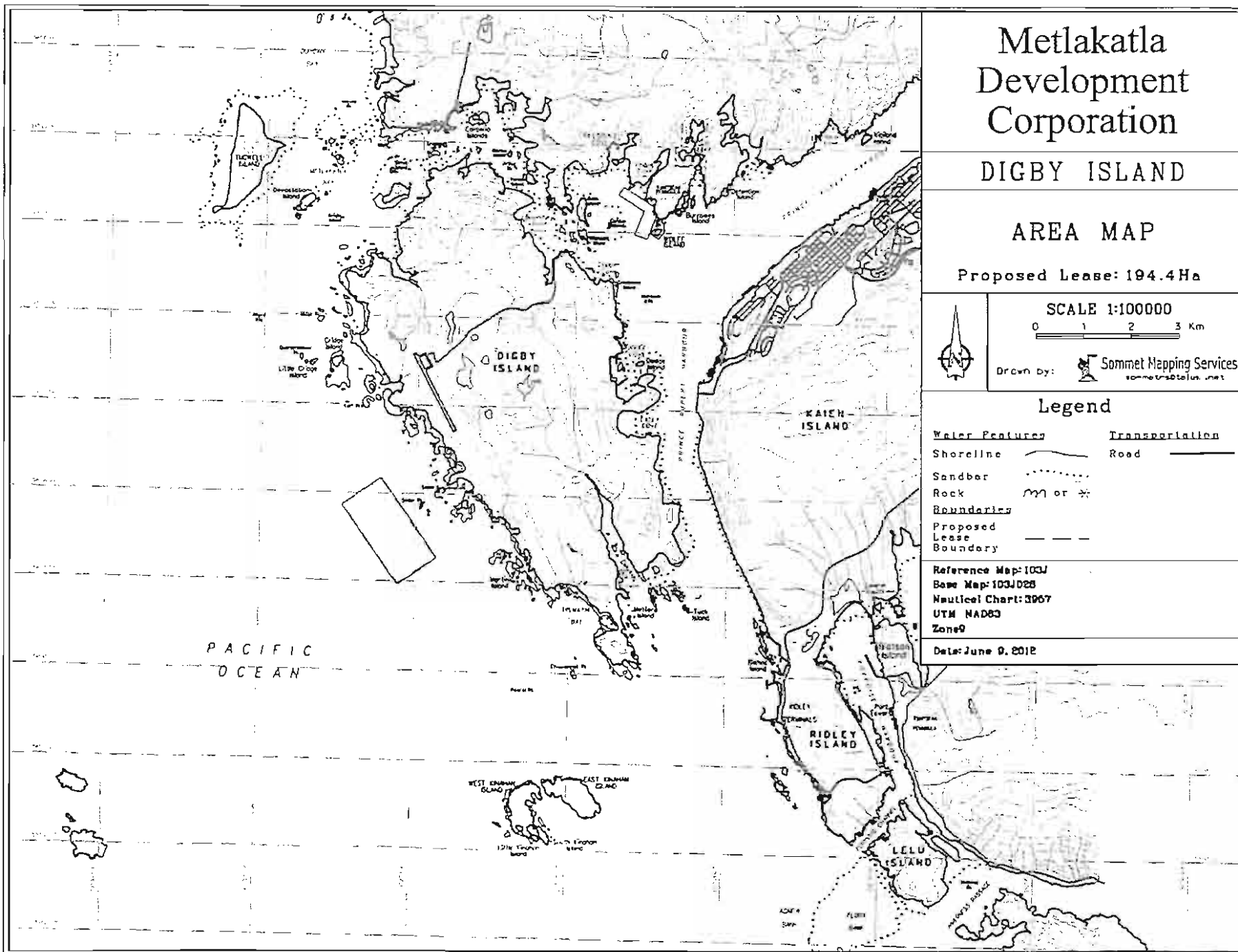
Name	:	Harold Leighton
Company/Institution	:	Metlakatla Development Corporation
Address	:	P O Box 224, Prince Rupert, BC V8J 3P6
Telephone Number	:	(250) 682-3201
Fax Number	:	(250) 628-9259

Yours faithfully,

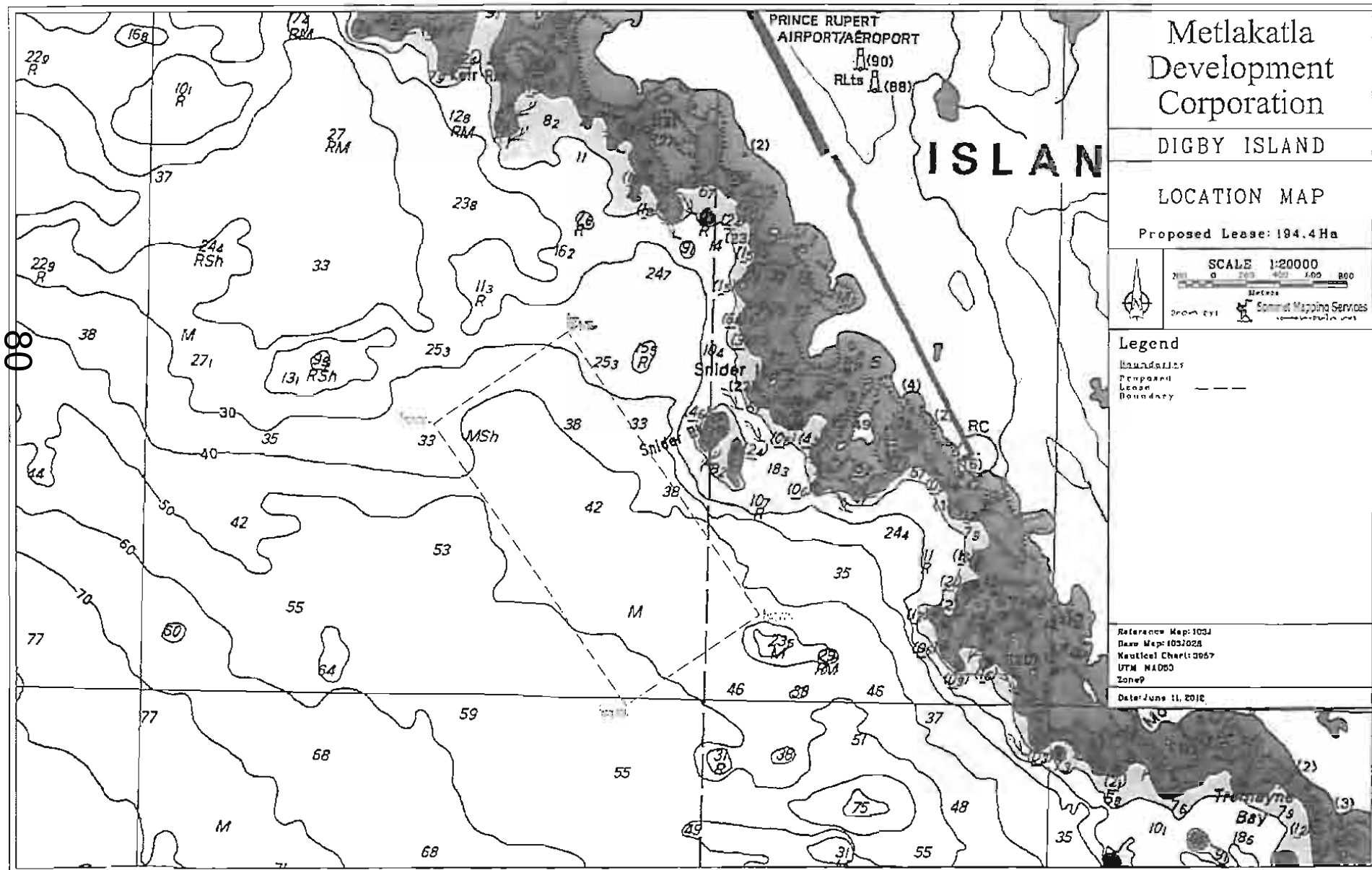


**HAROLD LEIGHTON**

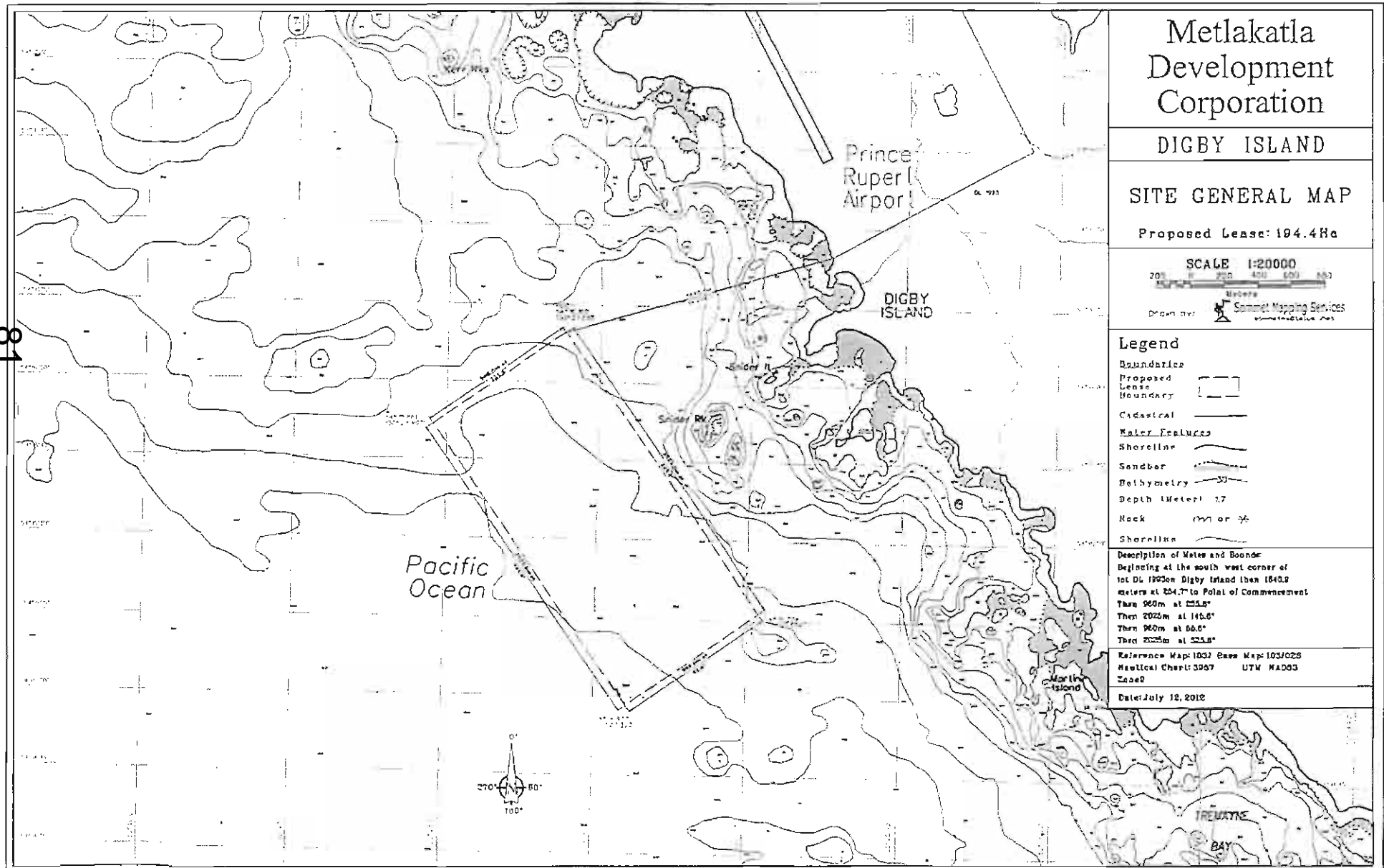


















# Metlakatla Development Corporation

## DIGBY ISLAND

### Site Specific Map (Management Plan)

Proposed Lease: 194.4 ha

SCALE 1:10000

North arrow

Drawn by: Seismic Mapping Services

#### Legend

##### Farm Features

Long Lines 100m

Anchor lines

Concrete Block

Shanties

Proposed

Lease

Boundary

Application Area

Water Features

Shoreline

High tide

Low tide

Shoal

Bathymetry

Depth (Meters) 17

Text

North arrow

Quotation of actual and boundary

beginning at the south west corner of

lot D1 (1000m) Digby Island then 7045.2

meters at 124.7° to Point of Commencement

Then 800m at 125.0°

Then 1000m at 148.6°

Then 900m at 90.0°

Then 1000m at 100.0°

470 LONG LINES - Length: 100m each

TOTAL 470 x 100m = 70.5km

Reference Map 1001

Base Map 1001/001

Basemap Chart 1001

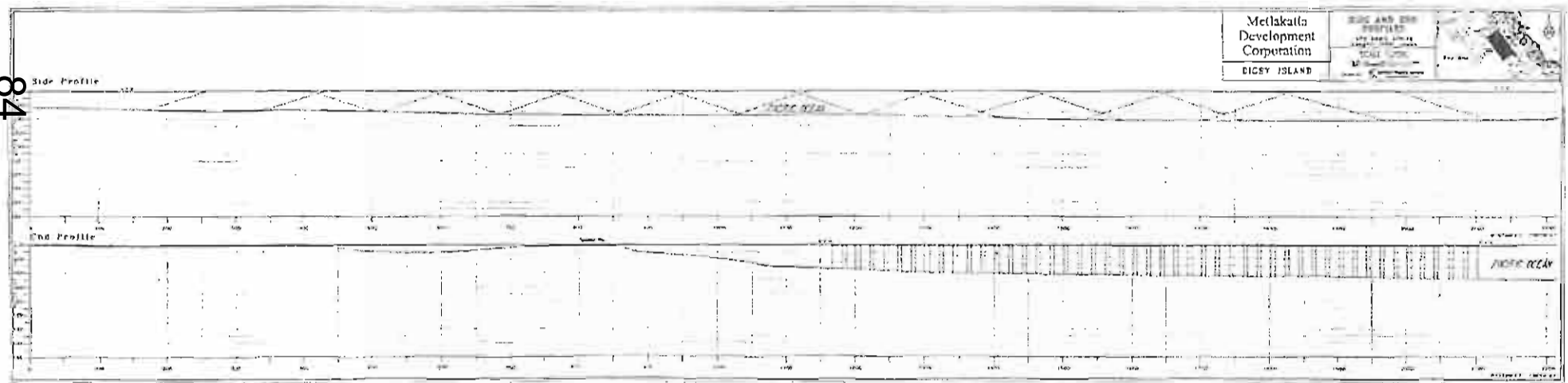
UTM 18QED

Scale

Drawn by: 19, 2019









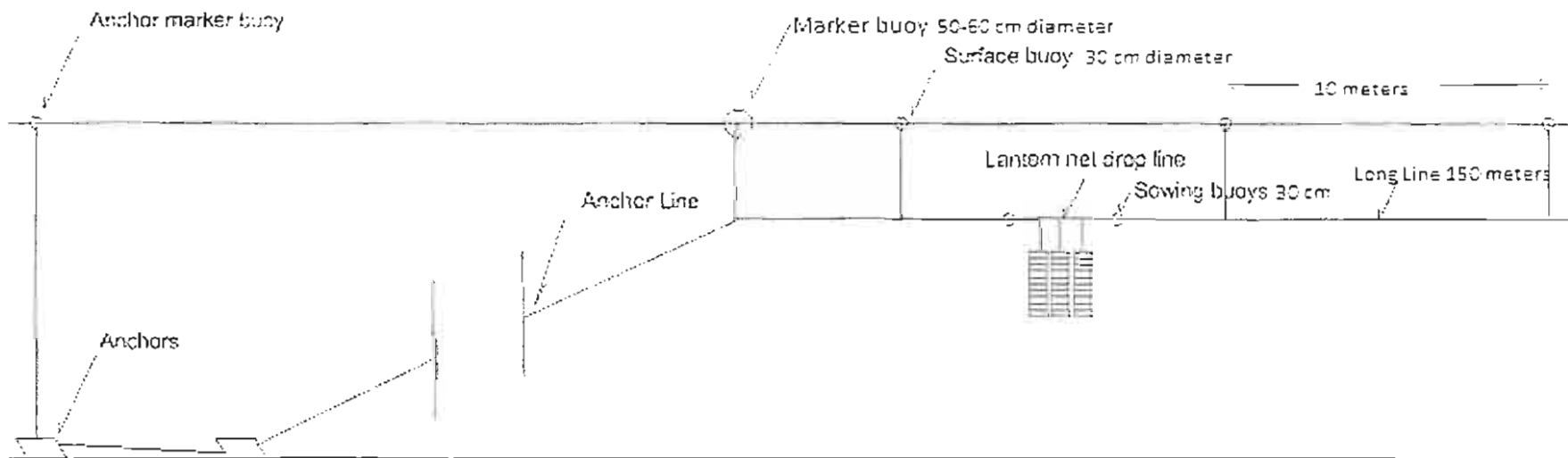


Fig. 1. Long Line configuration for scallop farm





**SQCRD Info**

---

**From:** FrontCounterBC@gov.bc.ca  
**Sent:** Friday, April 05, 2013 4:44 PM  
**To:** jmerrick@sqcrd.bc.ca; info@sqcrd.bc.ca  
**Subject:** Province of BC Referral Request on a WindPower application for an Investigative Licence (File No: 6408503) \* Reminder

Skeena Queen Charlotte Regional District  
 Joan Merick, Joanne Fraser

WindPower - Investigative Licence - Investigative and Monitoring stage  
 Referral Number: 62528023 - 001  
 Reference Number: 103604  
 Request Sent: March 15, 2013  
 Response Due: April 14, 2013

You are invited to comment on the following Crown land project application. A response is optional. If no response is received by the deadline, the application and adjudication process will move ahead.

This is an application over Crown land for an Investigative Licence within a general area polygon. This application is for the purposes of assessing the suitability of a proposed site or sites for wind monitoring and data collection to determine the characteristics of wind energy resources. No site impacts or disturbances are anticipated during the investigative stage.

This is an application over Crown land for an Investigative Licence within a general area polygon. This application is for the placement of Meteorological Towers for the purposes of assessing the suitability of a proposed site or sites for wind monitoring and data collection to determine the characteristics of wind energy resources.

Parts of the towers will be transported by existing forest roads as close to the tower site as possible and then air lifted to cause minimal disruption. No new road construction, is anticipated. Mature tree cutting is anticipated for one or more of the sites.

Should the applicant be granted an Investigative Licence. The applicant may require a Licence to Cut for any mature tree or vegetation removal.

This is an application over Crown land for an Investigative Licence. The purpose is to conduct studies and determine the best location for the placement of met towers. The end goal is to determine the feasibility for development of a Windpower Generation Plant (Windfarm). No site disturbances are anticipated at this time.

Proponent: SEA BREEZE TERRACE HOLDING CORP.

Tenure Type: Licence

Intended Land Use/background context: Investigative Licence (general area + towers) Please see attached management plan below.

BCGS Mapsheet: 103P044 & 103P045 103P054 & 103P055

Legal Description: ALL THAT UNSURVEYED CROWN LAND IN THE VICINITY OF KSHADIN CREEK



(5 SITES), CASSIAR DISTRICT, CONTAINING 7.2 HECTARES, MORE OR LESS.

Size (Area) in ha. (approx.): General Area - 4,985.88600000 Towers - 7.200000

Schedule/Term Of Proposal: Five years

Please [Click Here](#) to respond to this referral. You must be logged in using your BCeID account to view associated information. Note that forwarding or otherwise distributing this email will provide access to the associated information only if the receiver has a corresponding account.

For "how-to" instructions on how to respond to this request, please visit <http://www.frontcounterbc.gov.bc.ca/ereferrals.html> for instructional videos. To obtain a BCeID, please visit <https://www.bceid.ca/>

For technical assistance with e-Referrals, please contact FrontCounter BC at 1-877-855-3222.

For more information regarding this referral, please contact the "Email Coordinator" given within the referral.

Note that it can take an extended period of time to connect from the BCeID login to the e-Referrals website, this is normal. Avoid re-clicking the "Next" button or you could extend this connection time.

Please do not reply to this email.

Czeslaw Koziol

FrontCounterBC  
Tenures Officer

(250) 638-5105  
[Czeslaw.Koziol@gov.bc.ca](mailto:Czeslaw.Koziol@gov.bc.ca)



## Referral Response

Referral Type:	WindPower - Investigative Licence - Investigative and Monitoring stage	Referral Number:	62528023
Reference Number:	103604	Recipient Number:	001
Request Sent Date:	Mar 15, 2013	Response Due Date:	Apr 14, 2013
Status:	Open	Contact:	<a href="#">Email Coordinator</a>
Completion Date:	mmm dd, yyyy	Name:	Skeena Queen Charlotte Regional District
		Recipient List:	Joan Merick, Joanne Fraser

[Click here to view the Application Area of Interest](#)

Respondent  
Name:

You are invited to comment on the following Crown land project application. A response is optional. If no response is received by the deadline, the application and adjudication process will move ahead.

This is an application over Crown land for an Investigative Licence within a general area polygon. This application is for the purposes of assessing the suitability of a proposed site or sites for wind monitoring and data collection to determine the characteristics of wind energy resources. No site impacts or disturbances are anticipated during the investigative stage.

This is an application over Crown land for an Investigative Licence within a general area polygon. This application is for the placement of Meteorological Towers for the purposes of assessing the suitability of a proposed site or sites for wind monitoring and data collection to determine the characteristics of wind energy resources.

Parts of the towers will be transported by existing forest roads as close to the tower site as possible and then air lifted to cause minimal disruption. No new road construction, is anticipated. Mature tree cutting is anticipated for one or more of the sites.

Should the applicant be granted an Investigative Licence. The applicant may require a Licence to Cut for any mature tree or vegetation removal. This is an application over Crown land for an Investigative Licence. The purpose is to conduct studies and determine the best location for the placement of met towers. The end goal is to determine the feasibility for development of a Windpower Generation Plant (Windfarm). No site disturbances are anticipated at this time.

Proponent: SEA BREEZE TERRACE HOLDING CORP.

Tenure Type: Licence

Intended Land Use/background context: Investigative Licence (general area + towers) Please see attached management plan below.

BCGS Mapsheet: 103P044 & 103P045 103P054 & 103P055

Legal Description: ALL THAT UNSURVEYED CROWN LAND IN THE VICINITY OF KSHADIN CREEK (5 SITES), CASSIAR DISTRICT, CONTAINING 7.2 HECTARES, MORE OR LESS.

Size (Area) in ha. (approx.): General Area - 4,985.88600000 Towers - 7.200000

Schedule/Term Of Proposal: Five years

To re-assign this referral request to another member of your Agency, choose the name from the drop down list and then press the Reassign to Other Agency Staff button.

(None)

REASSIGN TO OTHER AGENCY STAFF

## REFERRAL DOCUMENTS

Description	File Name
<a href="#">View</a> 6408503 Detail Map	ref8503detail.pdf
<a href="#">View</a> 6408503 General Map	ref8503general.pdf
<a href="#">View</a> 6408503 Management Plan	management plan.pdf

## QUESTIONS

Please answer the following questions. Where indicated or required, please explain your answer in the Response Text box provided.

If it would help to explain your answer, please upload any relevant documents below, and indicate indicate "Document Attached" in the Response Text box.

- ☐ Yes
 ☐ No
 ☐ N/A
 Does this application impact your agency's legislated responsibilities? If yes, how will the proposal impact your legislated responsibility and please identify the relevant legislation (section) and what mitigative measures will be required to address these impacts in the response text box at the bottom of the page.
- ☐ Yes
 ☐ No
 ☐ N/A
 If the proposal proceeds, will the proponent require approval or a permit from your agency? If yes, please explain in response text box at the bottom of the page.
- ☐ Yes
 ☐ No
 ☐ N/A
 Will on-going compliance monitoring be required by your agency as a result of your legislated responsibilities? If yes, please explain what will be required in the response text box at the bottom of the page.



- ☐ Yes ☐ No ☐ N/A Will this application affect public use of this area? If yes, please explain in the response text box at the bottom of the page.
- ☐ Yes ☐ No ☐ N/A For Municipal/Regional Government Use Only: Is the application area zoned for the proposed purpose? If no, please provide the current zoning. In the event the applicant wishes to apply for re-zoning, please also provide the estimated time required for this decision. Your comments can be entered in the response text box at the bottom of the page.

**RECOMMENDATIONS**

Please check one. Where indicated or required, please explain your answer in the box provided.

If it would help to explain your answer, please upload any relevant documents below, and indicate "Document Attached" in the Response Text box.

- ☐ Approval of project is supported subject to the conditions outlined below.
- ☐ No objection to approval of project.
- ☐ No objection to approval of project subject to the conditions outlined below.
- ☐ Recommend refusal of project due to reasons outlined below.
- ☐ N/A

Response Text:

[+]  
[-]

**DOCUMENTS**

Description

File Name

UPLOAD

Choose the Save button to save information already provided, and allow you to come back at a later time to finish.

SAVE

Choose the Submit Response button to send your completed response. Once the response is submitted you can no longer change the response.

SUBMIT RESPONSE

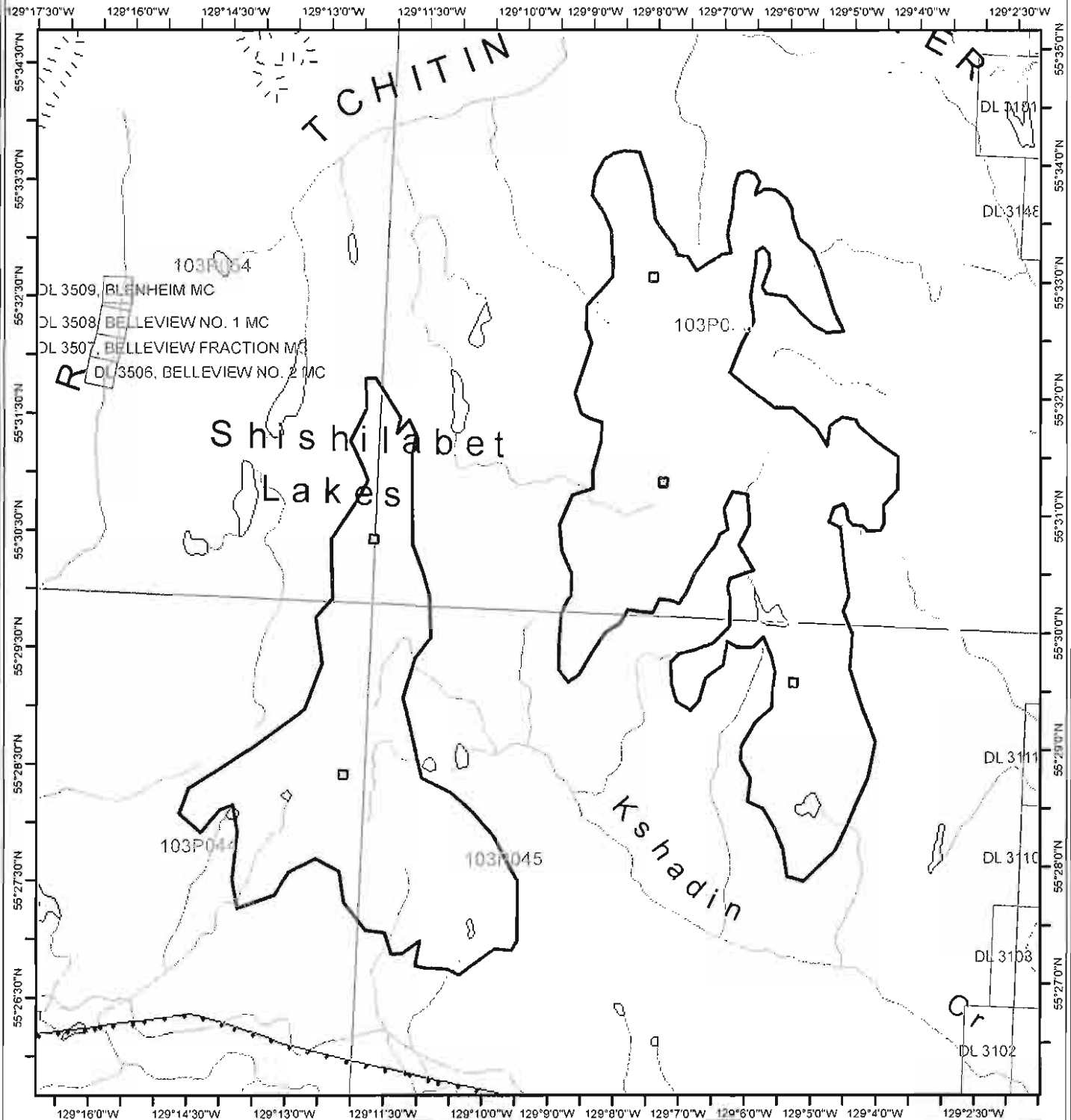
Choose the No Response button to submit this request with No Response. Once the response is submitted you can no longer change the response.

NO RESPONSE

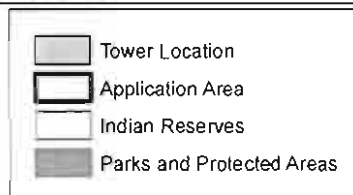
Cancel Spell Check

Top





Scale: 1:90,000  
 Purpose: WINDPOWER  
 Subpurpose: INVESTIGATIVE PHASE  
 Type: LICENCE  
 Subtype: INVESTIGATIVE LICENCE

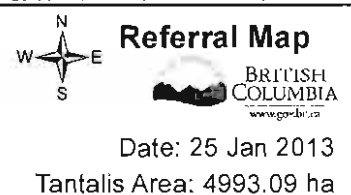
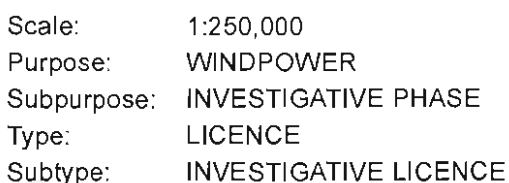


### Referral Map



Date: 25 Jan 2013  
 Tantalus Area: 4993.09 ha









## Sea Breeze Terrace Holding Corp.

A wholly owned subsidiary of Sea Breeze Power Corp.

Info@SeaBreezePower.com  
www.SeaBreezePower.com  
Voice (604) 689-2991

Lobby Box 91, Suite 1400 - 333 Seymour Street  
Vancouver, British Columbia V6B 5A6 Canada  
Fax (604) 689-2990

November 5th, 2012

VIA Canada Post & Email: Jennifer.Chermesnok@gov.bc.ca

FrontCounter BC Smithers  
1<sup>st</sup> Floor, 3726 Alfred Ave.  
Smithers, BC  
V0J 2N0

RECEIVED

NOV 06 2012

PROVINCE OF BRITISH COLUMBIA  
SMITHERS BC

ATTN: Ms. Jennifer Chermesnok

Dear Ms. Chermesnok:

**Re: New Investigative License Application for "Kshadin Peak" Wind Energy Site**

Sea Breeze Terrace Holding Corp. a wholly-owned subsidiary of Sea Breeze Power Corp, is writing to apply for one new Investigative License (IL) for wind energy investigation in BC. Attached to this letter is the following material in support of this application:

- a completed application form,
- an Investigation Plan,
- a site map at 1:75,000 scale,
- maps and coordinates for potential met tower locations at 1:10,000 scale,
- a description of Sea Breeze's typical met towers,
- a credit card payment form for \$560.00,
- proof of incorporation for Sea Breeze Terrace Holding Corp.
- shape files in ESRI format in BC Albers projection (email submission only).

We look forward to hearing back from you with confirmation that the attached constitutes a complete application package.

Furthermore: This application is identical to the earlier application made by our affiliate company SB Kitimat Holding (01) Corp. on October 30, 2012. We would prefer these files to be held under the company Sea Breeze Terrace Holding Corp, however this company did not exist on October 30, 2012. Therefore we are submitting the current application as a replacement for the October 30, 2012 application.

We request that you please process this application for the Kshadin Peak site. When you can confirm that the change of application date from October 30, 2012 to today does not result in a loss of investigative lands due to other competing applications, then please abandon the earlier October 30, 2012 application. If this change of date does result in a loss of investigative lands, then please do not abandon the October 30, 2012 application.



Should you have any questions, or require additional information, please feel free to contact James Griffiths, Manager of Wind Development at (604) 689-2991 Local 233. Thank you for your assistance in this matter.

Sincerely,  
*Sea Breeze Terrace Holding Corp.*

per: Paul Manson,  
President  
encl. application package

RECEIVED

NOV 06 2012

PROVINCE OF BRITISH COLUMBIA  
SMITHERS BC





## *Sea Breeze Power Corp.*

Info@SeaBreezePower.com  
www.SeaBreezePower.com  
Voice (604) 689-2991

Lobby Box 91, Suite 1400 - 333 Seymour Street  
Vancouver, British Columbia V6B 5A6 Canada  
Fax (604) 689-2990

### Meteorological Tower Descriptions - February 8, 2012 -

Sea Breeze Power Corp. ("Sea Breeze"; including its subsidiary companies) typically installs meteorological ("met") towers that are either of the tubular steel or lattice steel variety. Sea Breeze has its own met tower installation crew including a tower foreman who has been installing met towers in the field since 2003. The Sea Breeze tower crew has experience installing met towers in both road-accessible locations and locations accessible only by helicopter.

#### Tubular Towers:

Tubular met towers are typically NRG brand towers that are constructed from steel conduit in twenty foot lengths, with 8" to 10" diameter and of 1/8 inch wall thickness. The tower is supported by 1/4" guy wires which are anchored to the ground in four directions. Guy wire attachment plates ride on the upper side of the couplers. Tubular met towers are typically 60m or 80m tall.

The tower base is a flat plate (36 inch x 36 inch), fixed in place with rods or cables that are anchored into the ground. The rods are driven sufficiently deep to provide lateral resistance. The plate has risers that hold a pivot bolt which runs through the bottom section of the lowest piece of conduit. After the tower is assembled on the ground and the instruments are attached and wired, the tower is pivoted upright. Pivoting is accomplished with a electric winch type cable puller anchored to the ground. A 15m tall gin pole made of the same conduit is used to help lift the tower. A lightning protector is affixed on the top of the tower and grounded back to the earth.

Three or more anemometers are installed on the tower to measure wind speed at different heights. Two wind vanes also measure wind direction at different heights. Temperature and barometric pressure readings are collected to calculate air density. The logger records data every 2 seconds but stores only 10 minute averages and standard deviations. Data is uploaded to the operator by satellite phone, cell phone, or by manual collection of data cards. This equipment runs on batteries which can last two years, although they will be changed every six months as a part of regular maintenance. The tower's communication pack also comes with its own power system.

The 60m and 80m tubular meteorological towers weigh approximately 3,400 lbs and 7,400 lbs respectively and can be transported using pickup trucks and tow trailers, or slung under a helicopter for more remote applications. A tower is raised using a 5 person crew. No heavy machinery is brought on site aside from a generator to run power tools, and in some situations lights and stoves in a tent-camp. Some situations require tree

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falling to clear paths for tower assembly, guy wire attachment and crew safety. This method of construction and transport allows for a minimal footprint, typically with no observable long-term site degradation once the tower and anchors are removed.

Several representative photos of tower installation are included below, along with schematics showing the dimensions of a 60-m and 80m met tower.

**Tubular Met Tower Installation Pictures**



Figure 1: Met Tower Installation at God's Pocket, Summer 2003.

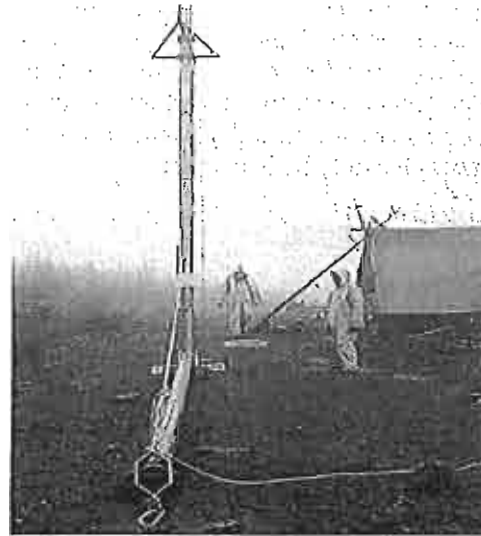


Figure 3: Met Tower Installation at Hushamu (on unused road), Fall 2003.



Figure 2: Tower Base at Knob Hill, Summer 2003.

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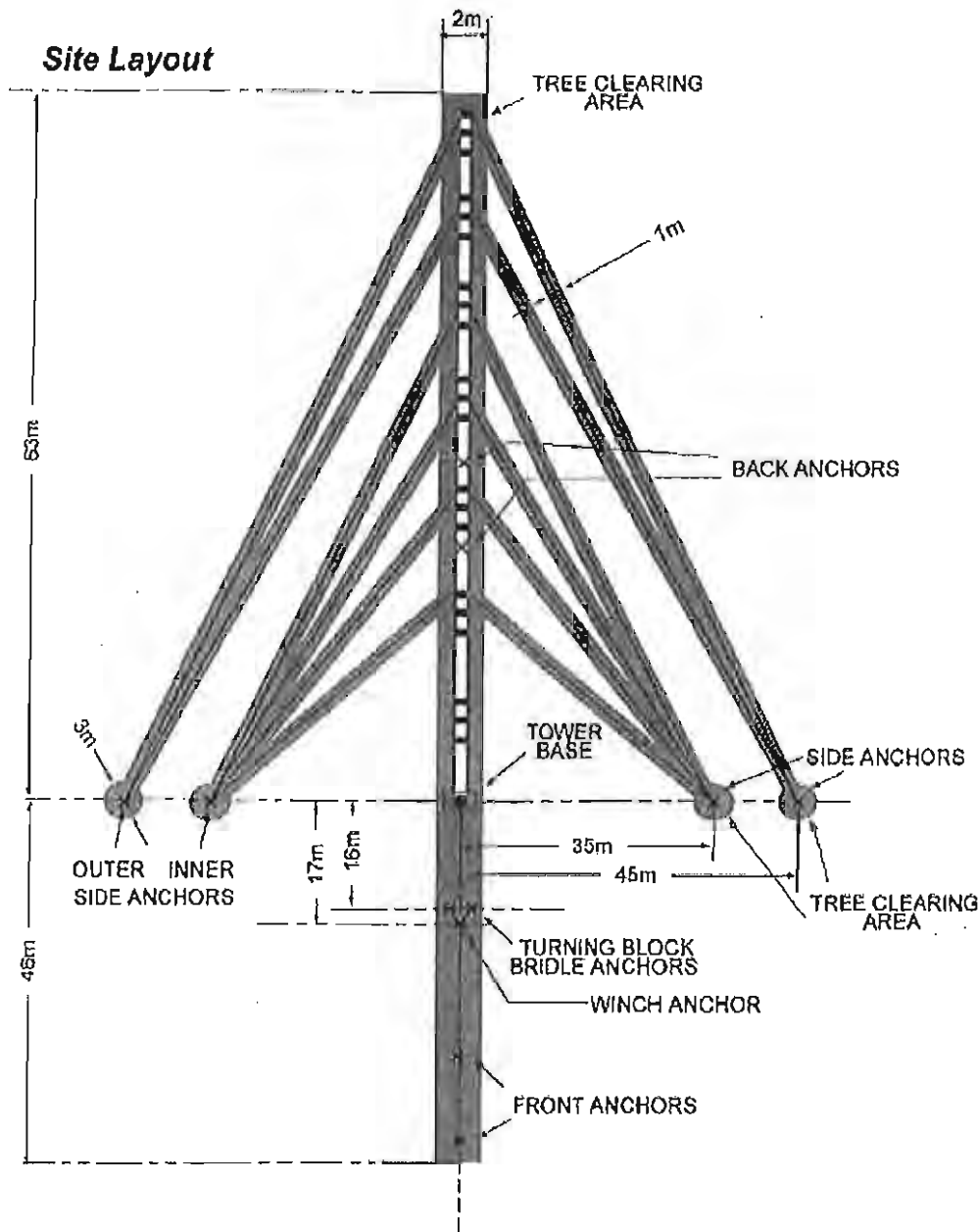


Figure 4: Site layout for the 60m – HD NRG tower. Areas where vegetation will be removed are shown in red.

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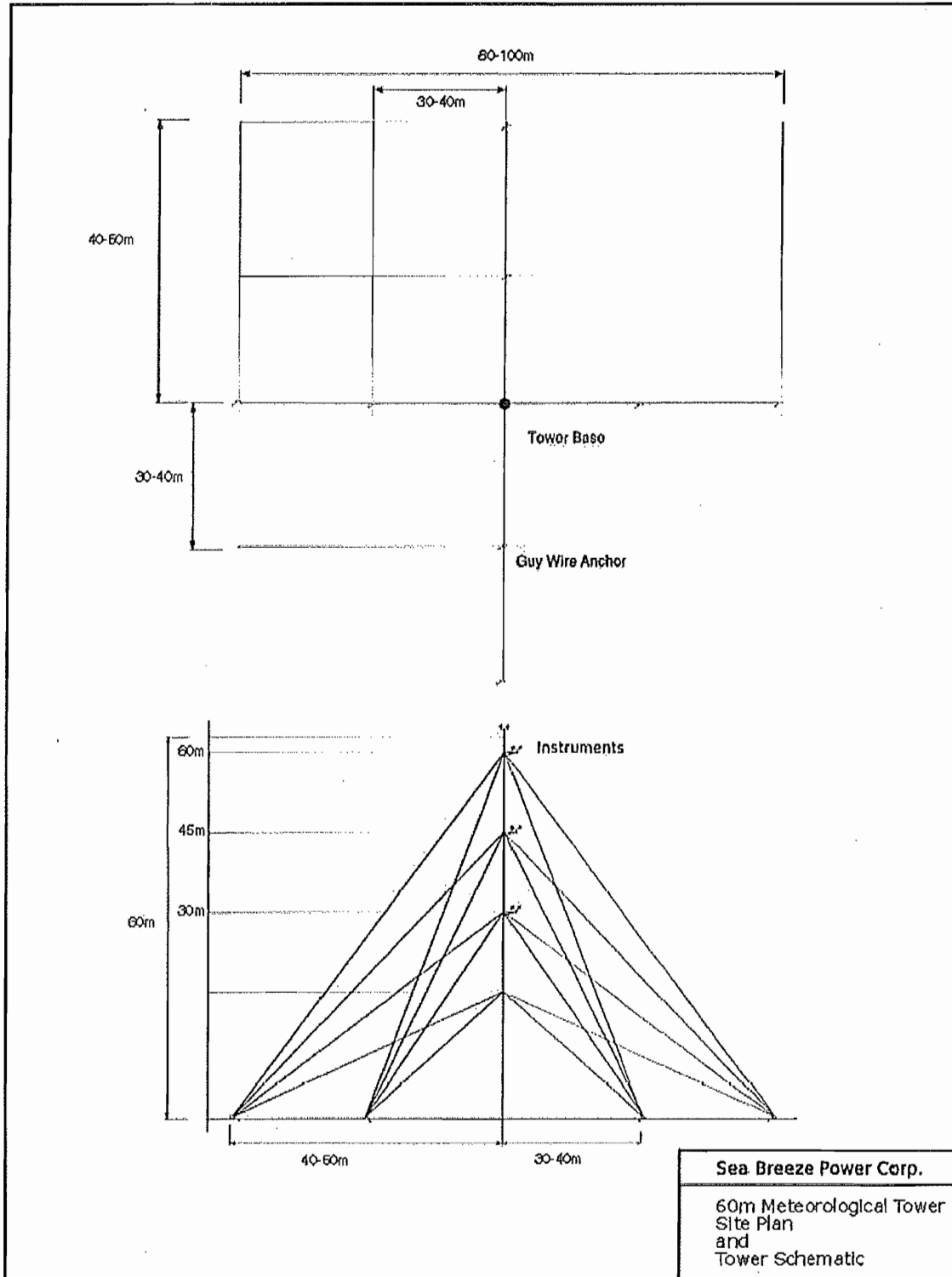


Figure 5: Schematic of a 60-m tubular met tower.

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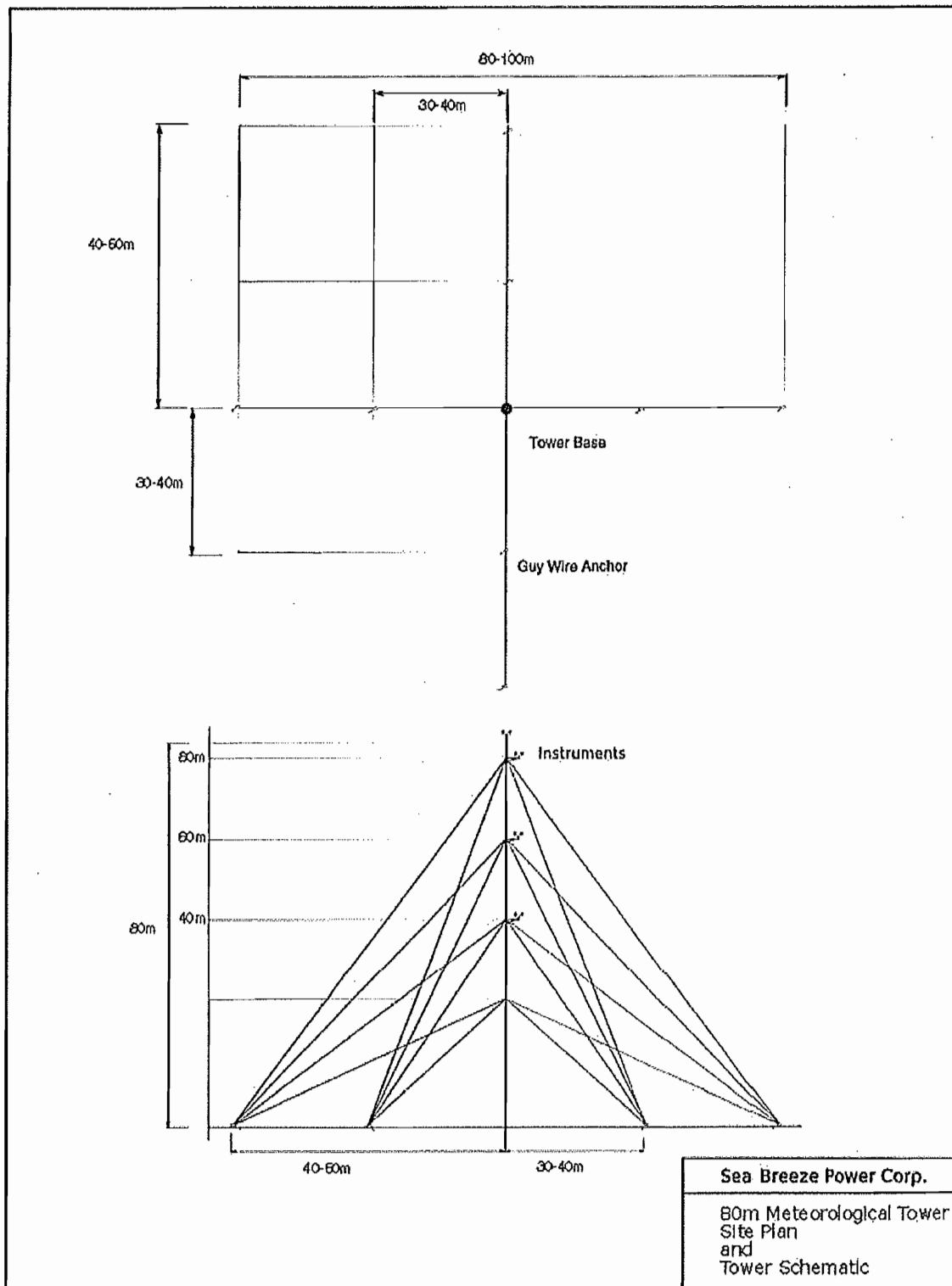


Figure 6: Schematic of an 80-m tubular met tower.

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### Lattice Towers:

Some recently commercialized met tower models now use a lattice structure instead of tubular steel. These towers are becoming cost-competitive and may be used in place of tubular towers at future Sea Breeze sites. Lattice towers are stronger than tubular towers and can withstand higher winds and heavier ice loading. The total footprint on the land base is similar to that of a tubular met tower.

The company NRG-Oenke offer three classes of lattice towers: Light Class, Medium Class and Heavy Class, each designed to handle successively more wind and ice loading. Tower selection will depend on the wind and ice rating of a specific site.

Sea Breeze is considering lattice towers in both in 60m and 80m configurations although NRG-Oenke manufactures lattice towers from 30m to 120m tall. As the typical hub height of a wind turbine continues to increase, so must the height of met towers increase to take measurements at or near hub height. A lightning protector is affixed on the top of the tower and grounded back to the earth. A lattice meteorological tower weighs approximately 11,000 lbs for the 60m tower and 14,200 lbs for the 80m tower.

Lattice towers come in sections that are 3m to 3.6m long, depending on the height of the tower. Near the bottom the frame consists of steel tubes 60mm in diameter and 5mm in thickness, and braced both horizontally and diagonally with steel bars of 20mm diameter. The highest sections will be slightly more slender. Horizontal steel bars are 12" long for the tilt-up tower and 18" long for the tower that is erected vertically section by section. Tower sections are assembled using a rod and plate system.

Lattice towers are supported by guy wires which are anchored to the ground in three directions with two anchors in each direction. An 80m lattice tower has 6 anchors and 21 guy wires. For an 80m tower anchors are positioned 25m and 45m from the tower base. The anchors themselves are either locked into a concrete foundation or buried underground. The thickness of the guy wires depends on the tower's ice and wind rating.

The tower base is a flat plate (48" x 48"), fixed in place with rods or cables that are anchored into the ground. The plate has risers that hold a pivot bolt. After the tower is assembled on the ground, and the instruments are attached and wired, the tower is pivoted upright using an electric-winch-type cable puller anchored to the ground. A 15m tall gin pole is used to help lift the tower.

Three or more anemometers are installed on the tower to measure wind speeds at different heights. Similarly, two wind vanes measure wind direction at different heights. Temperature and barometric pressure readings are collected to calculate air density. Data logging is identical to a tubular met tower. Data is uploaded to the operator by satellite phone, cell phone, or by manual collection of data cards. This equipment runs on batteries which can last two years although they will typically be replaced every six months as a part of regular maintenance.

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Lattice towers are designed to hold all necessary equipment including meteorological instruments, lighting rods, bat sensors, nocturnal lights, and any other equipment that might be necessary.

Because lattice towers are stronger and better supported than tubular met towers, they can be climbed by maintenance workers to inspect and repair equipment. Applicable safety standards are followed when climbing tall structures. Several photos are included below.

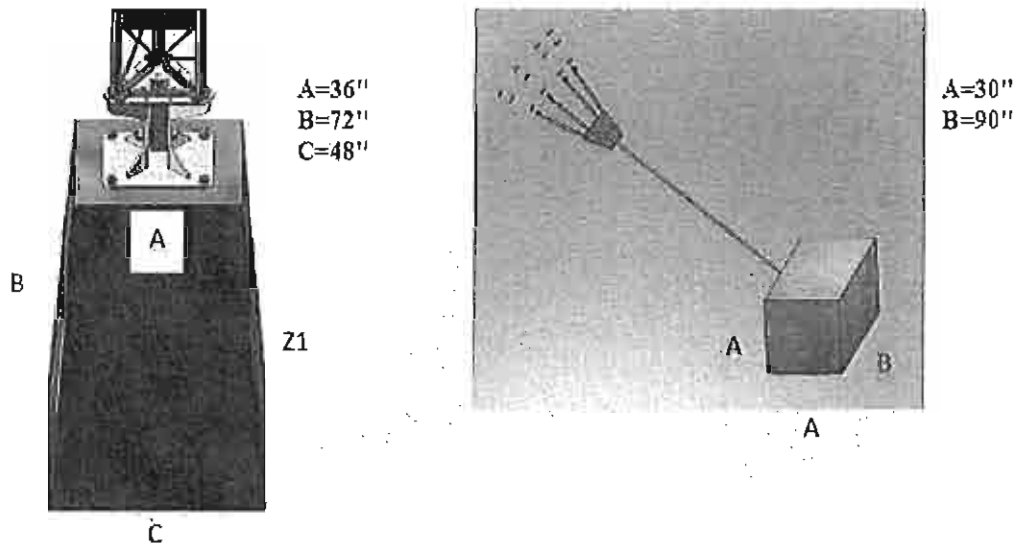


Figure 7: Concrete foundations at left, concrete anchor at right (Oenko, 2010)

These towers can be transported by flat bed trucks and in more remote sites they can be transported in sections by helicopter. A tower is raised using a 5 person crew. No heavy machinery is brought on site aside from a generator to run power tools, a winch, and in some situations camping equipment.

Some sites require tree falling to clear a path for tower equipment or for crew safety. Tree clearing will be minimized to the amount required for safe installation. An Occupant License to Cut will be acquired where necessary, and we will be in communication with any local forestry operators about tree clearing.

Several representative photos and schematics of lattice met towers are included below.

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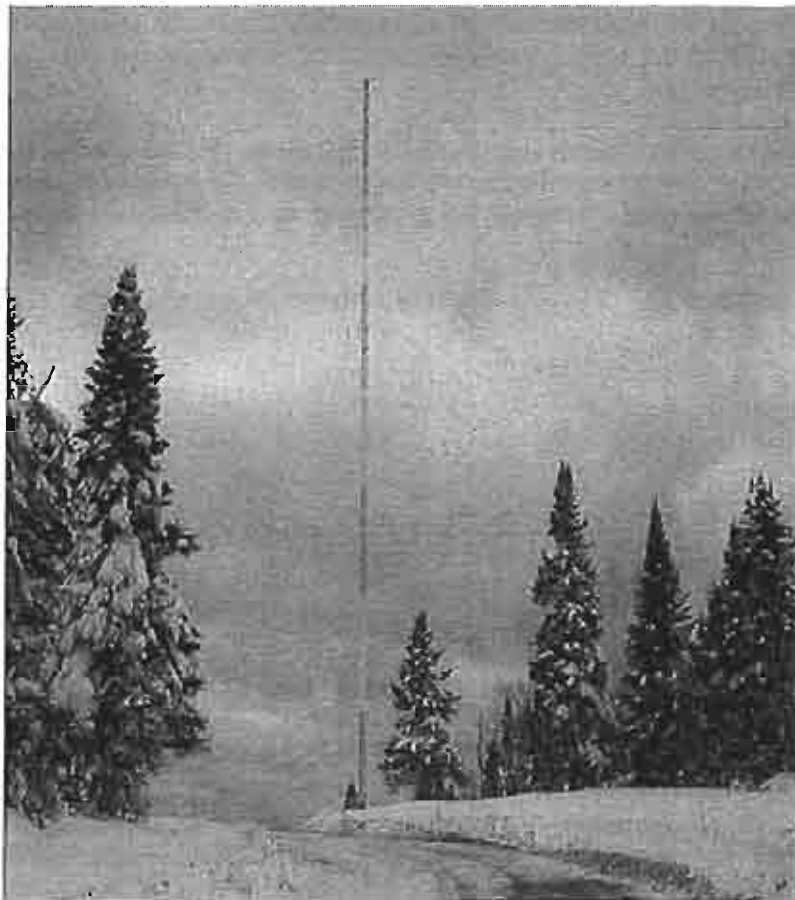


Figure 8: Oenko lattice tower - picture from Oenko website (Oenko, 2012).



Figure 9: Worker climbing an Oenko lattice tower - picture from Oenko website (Oenko, 2012).

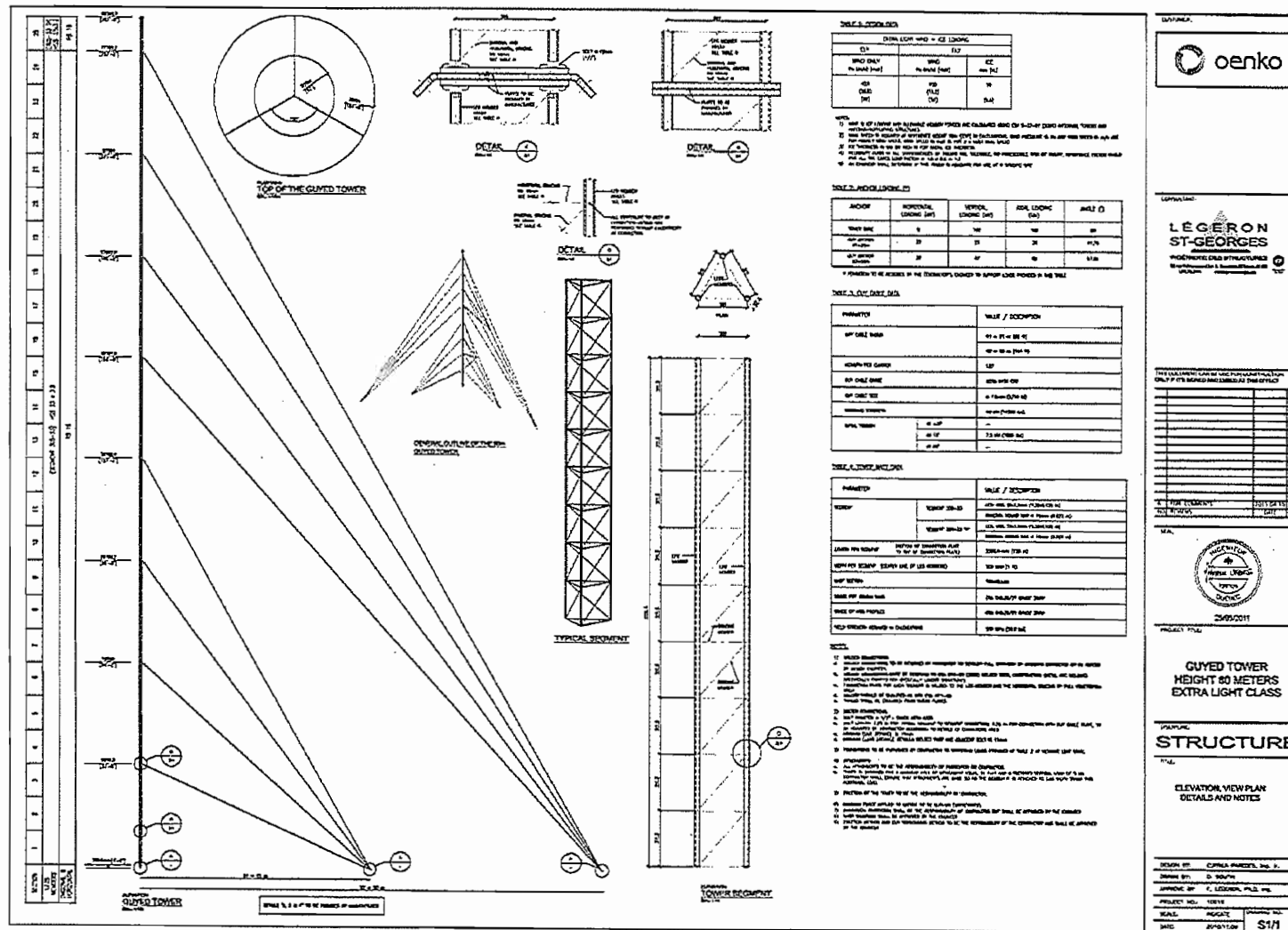
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# Sea Breeze Terrace Holding Corp.

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Vancouver, British Columbia V6B 5A6 Canada  
Fax (604) 689-2990

## Legend

Kshadin Peak IL



Met Tower Sites



Stream



Lake



Road



Secondary Road



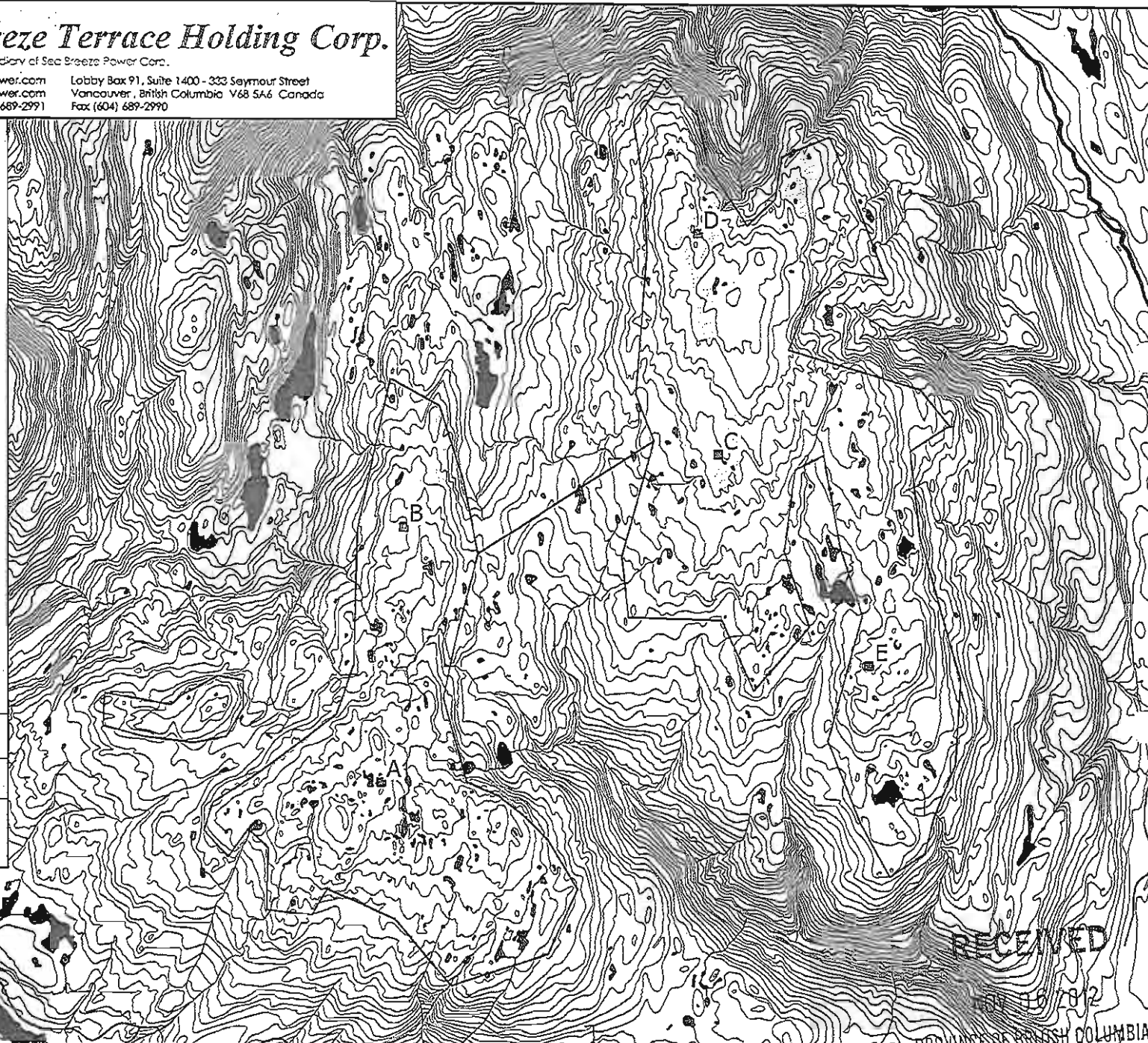
100ft Contour



Scale 1:75000

November 5th, 2012

0 1 2 km



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## Legend

Kshadin Peak IL



Met Tower Sites



Stream



Lake



Road



Secondary Road



100ft Contour



Scale 1:10000

November 5th, 2012

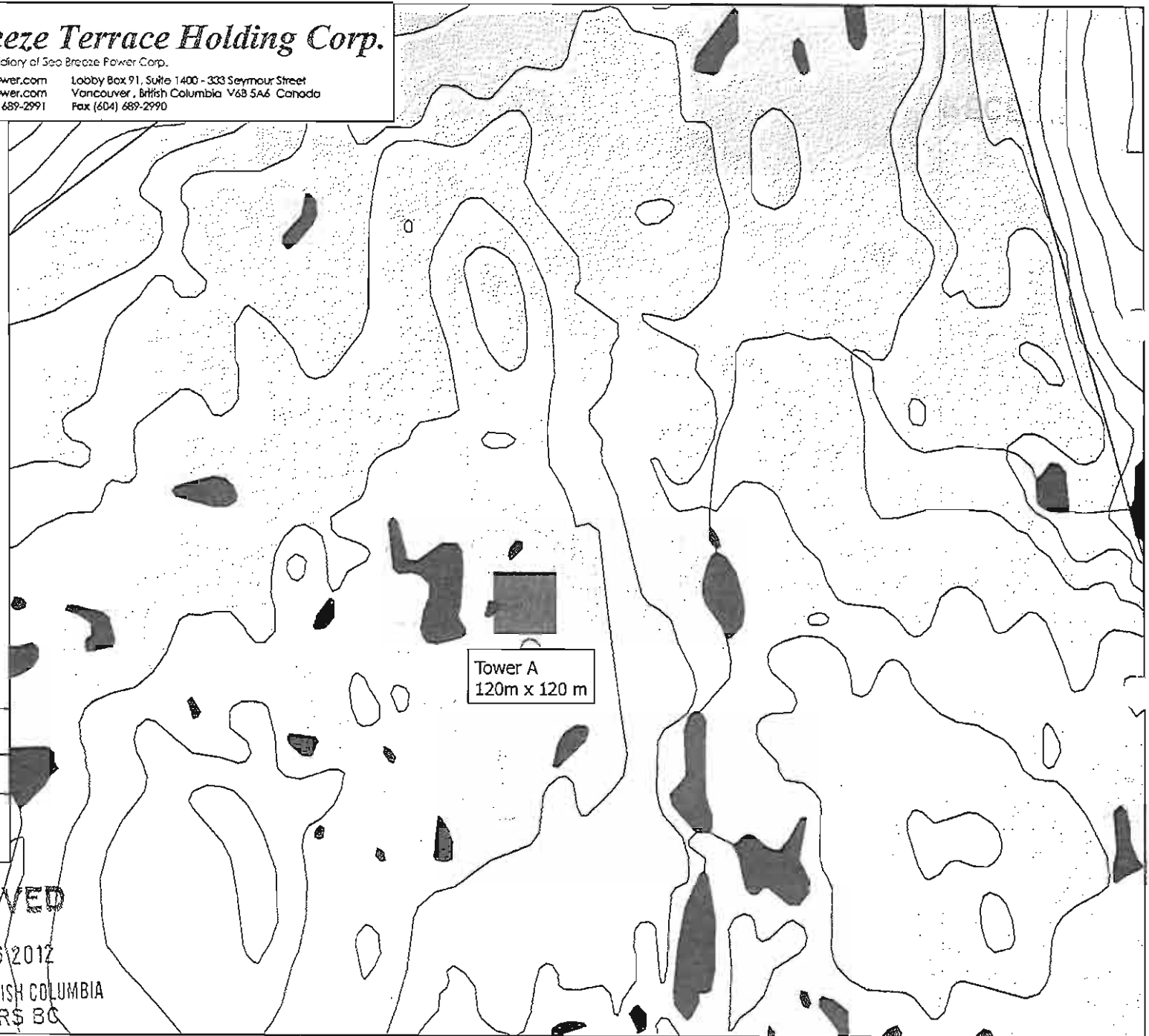
0 100 200 300 m



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## Legend

Kshadin Peak IL



Met Tower Sites



Stream



Lake



Road



Secondary Road



100ft Contour



Scale 1:10000

November 5th, 2012

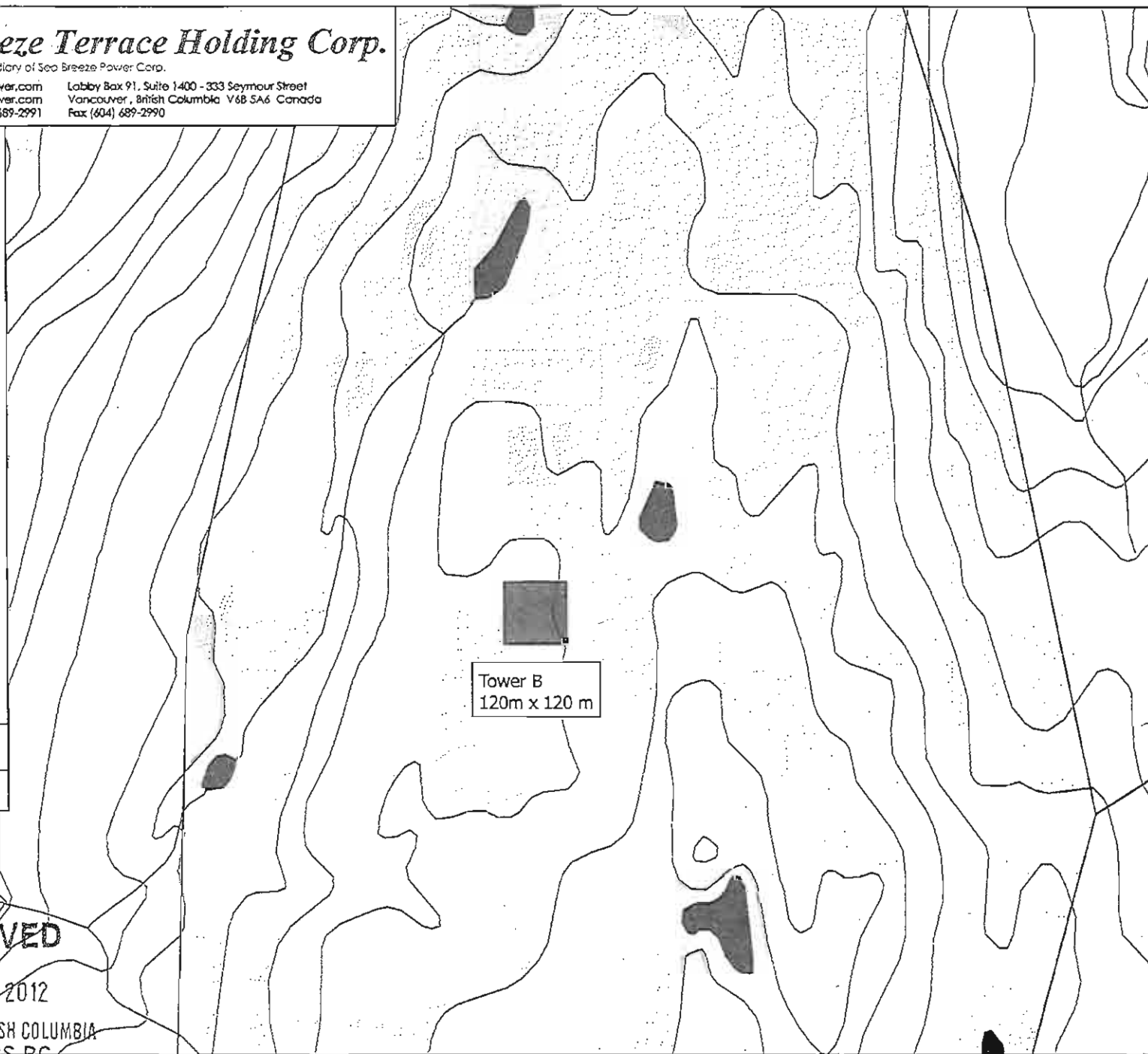
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## Legend

Kshadin Peak IL



Met Tower Sites



Stream



Lake



Road



Secondary Road



100ft Contour



Scale 1:10000

November 5th, 2012

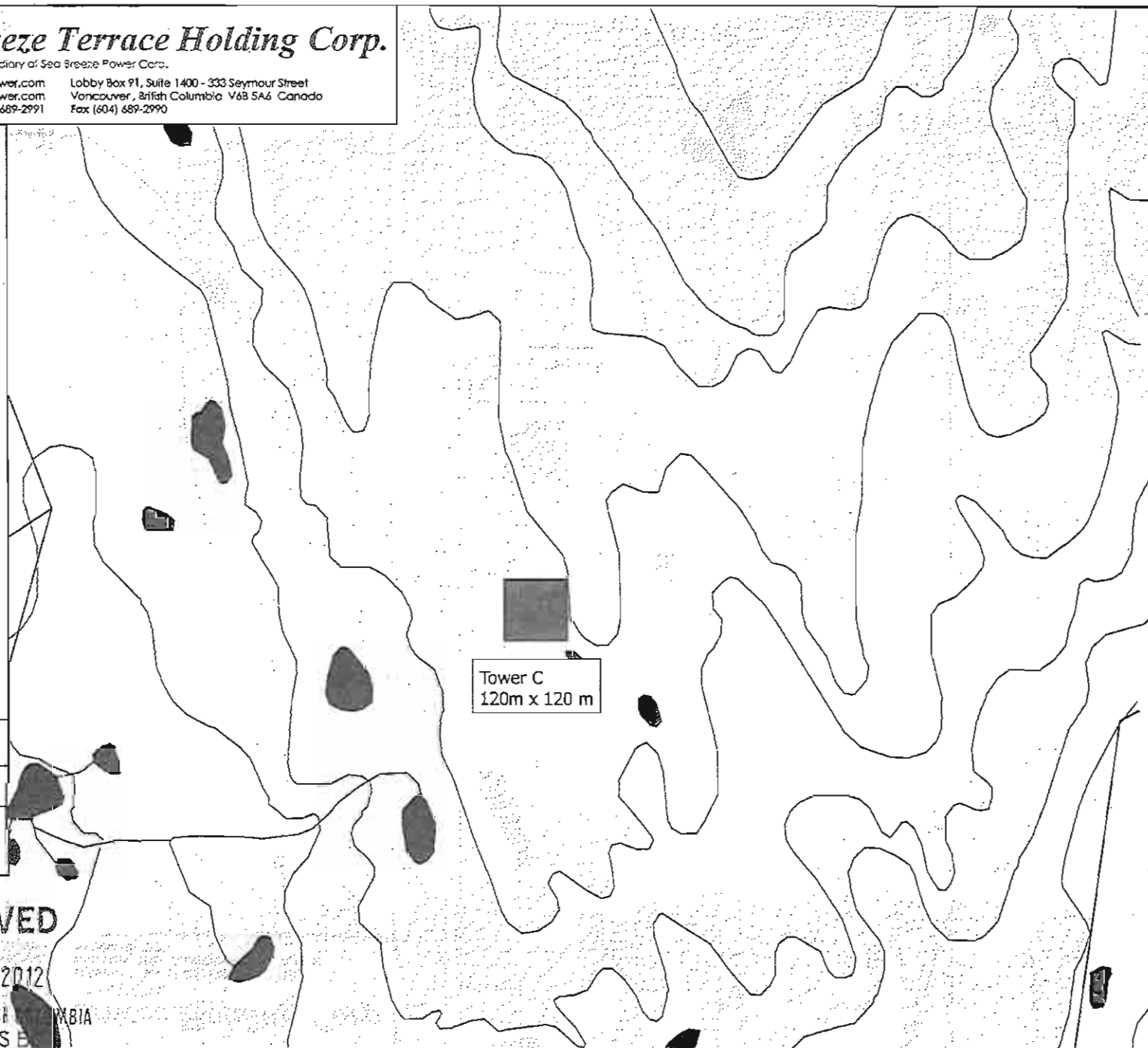
0 100 200 300 m



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## Legend

Kshadin Peak IL



Met Tower Sites



Stream



Lake



Road



Secondary Road



100ft Contour



Scale 1:10000

November 5th, 2012

0 100 200 300 m



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Tower D  
120m x 120 m





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## Legend

Kshadin Peak IL



Met Tower Sites



Stream



Lake



Road



Secondary Road



100ft Contour



Scale 1:10000

November 5th, 2012

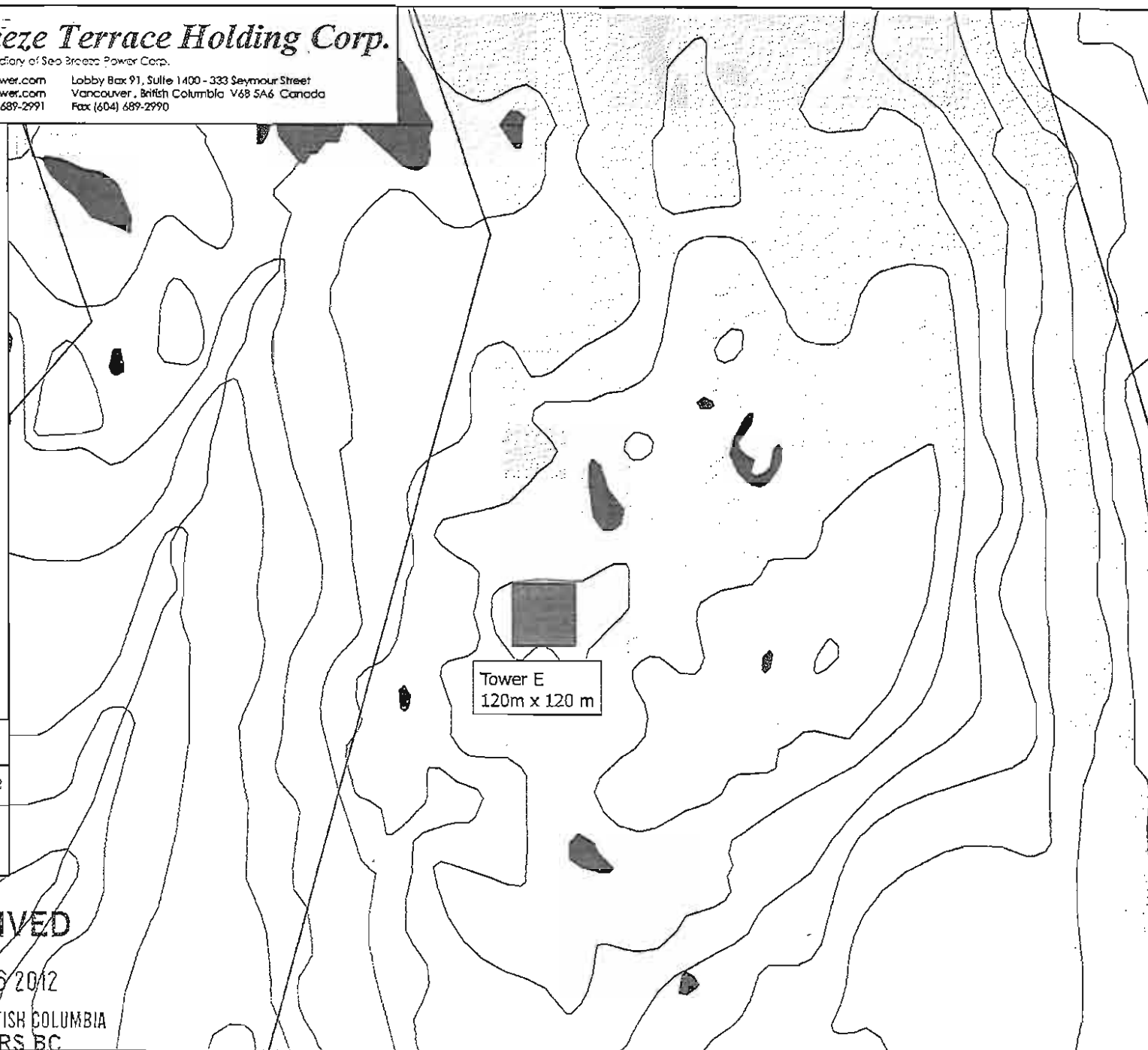
0 100 200 300 m



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### **Table of Coordinates for Potential Met Towers Sites Kshadin Peak Wind Energy Project**

November 5th, 2012

(Please see accompanying maps)

Tower Label	UTM (NAD83, Zone 9)	Lat/Long (NAD83)
A	487016 mE, 6147728 mN	Latitude: 55.4755 N Longitude: -129.2054 W
B	487345 mE, 6151483 mN	Latitude: 55.5092 N Longitude: -129.2003 W
C	491963 mE, 6152576 mN	Latitude: 55.5191 N Longitude: -129.1272 W
D	491667 mE, 6155830 mN	Latitude: 55.5484 N Longitude: -129.1320 W
E	494182 mE, 6149486 mN	Latitude: 55.4914 N Longitude: -129.0920 W

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### **Investigation Plan for Wind Energy Development: Kshadin Peak Wind Farm Project**

#### **BACKGROUND: SEA BREEZE GROUP OF COMPANIES**

Sea Breeze Power Corp., along with its wholly-owned subsidiary Sea Breeze Terrace Holding Corp. ("Sea Breeze" or "the Proponent") is engaged specifically in the development of wind farms in British Columbia.

The selection of well-suited locations for the production of wind-generated electricity achieves several social, governmental and economic goals. "Green" energy is set as a production target by governments and utilities across Canada. The BC government has announced in its energy plan that all new electricity generation projects must have zero net greenhouse gas emissions, such as wind power.

The wind energy department at Sea Breeze was founded on the recognition that several significant social, economic and technical trends of the past three decades are rapidly converging. This convergence, consisting predominantly of field-proven wind power technology, the implementation of favourable government policies, and growing consumer demand for "green" energy, has created a commercial opportunity of significant size. Large amounts of renewable, emission-free electricity can likely be developed in many areas of British Columbia.

The Sea Breeze group of companies is one of the largest proponents of wind farms in BC. The Sea Breeze group has many investigative tenures with MFLNRO offices in Nanaimo, Kamloops, Prince George, Smithers, and Fort St. John. The Sea Breeze team is very familiar with MFLNRO and the Crown Land application process and has had a voice in outlining the wind farm specific application procedure and the Operational Policy.

In addition to Permits and Licenses with MFLNRO, Sea Breeze Energy, Inc. has also developed a project – the Cape Scott Wind Farm Project (formerly the Knob Hill Wind Farm Project) - that was the first utility scale wind farm in B.C. to receive an Environmental Assessment Certificate from the BC Environmental Assessment Office ("EAO"). The studies for this application were very thorough. In many cases, the company contracted several professionals in their respective fields and will retain their services as needed to satisfy requirements for our other projects in order to address issues related to biology, marine habitat, geology, terrain stability, and First Nations and public consultation.

In March of 2010 Sea Breeze Energy, Inc. signed an Electricity Purchase Agreement with BC Hydro in relation to Phase I of the Cape Scott project. Cape Scott Phase I was sold to IPR-GDF-Suez, began construction in early 2012, and is scheduled to be in service in 2013. Sea Breeze has an option to remain a minority owner of that project.

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## **PROJECT OVERVIEW: THE KSHADIN PEAK WIND FARM PROJECT**

This application is for investigative activities related to the development of a utility scale wind power generation facility. The purpose of the Kshadin Peak Wind Farm Project (the "Project") will be to supply electricity into the BC grid. The purpose of the investigative phase will be to establish project feasibility and to investigate factors that require consideration in the design and permitting of the Project.

The Project is in the assessment and feasibility stage. Sea Breeze has conducted a preliminary review of available desktop information and has identified several locations for initial meteorological towers. Consultation with affected stakeholders and First Nations will begin imminently for this project.

Each turbine will consist of a tower made of tubular steel standing 80-120m tall, a nacelle sitting atop the tower to house the generator and other electrical equipment, and three blades 30-65m long (exact dimensions depend on specific turbine model). The finished project will also include access roads to each turbine, a medium voltage (~35-kV) electrical collection network interconnecting each turbines, a substation to step up to a higher voltage (~69-500-kV), a transmission line to interconnect with the BC grid, and an operations/control center and workshop. During construction, the Project will also require some temporary use of lands for storage, rock quarrying, concrete mixing, transporting, and potentially housing a construction crew.

## **PROJECT SCHEDULE**

The stages of development of the project are anticipated to proceed as follow, subject to any currently unforeseen delays in development:

- Stage 1: Permitting applications for investigative tenures.
- Stage 2: Consultation with local First Nations to establish their interests and involvement in investigative activities.  
Investigation of site: literature review, fieldwork, and wind resource monitoring.  
Negotiations with potential financial partners for the Project.
- Stage 3: Expansion of wind resource monitoring, focused field studies, and preliminary design.  
Environmental Assessment.  
Refined financial modeling of expected costs and revenues.  
Marketing of electricity, possibly in a competitive call by BC Hydro.
- Stage 4: Financing, detailed design, construction permitting.
- Stage 5: Construction and commissioning.
- Stage 6: Operations (typically 20 years).
- Stage 7: Decommissioning, or overhaul as appropriate.

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The Project is currently in "Stage 1" as described above. Next steps will include desktop research, discussions and consultation with local First Nations, and eventually installation of an initial met tower at the site.

Sea Breeze is currently seeking financial partners for several of its wind power sites. The company anticipates that its recent success with the Cape Scott Wind Farm will bring added credibility to this effort. However, the flow of development dollars in BC wind sites may depend on the timing of BC Hydro's next announcement of a call for power in BC, and so development efforts before that time need to be kept very cost efficient.

#### PROJECT CONSIDERATIONS DURING INVESTIGATION

For the Environmental Assessment of the Cape Scott Wind Farm, Sea Breeze Energy, Inc. contracted the consulting services of various qualified registered professionals. The Proponent will utilize the services of similar specialists to examine the possible effects of the proposed wind farm on valued ecological and social factors.

The following are brief descriptions of some of the potential issues associated with this project and how the Proponent plans to address them.

#### Wind Resource Analysis

Wind resource feasibility was estimated using publicly available data, typically from Environment Canada. Subsequently, initial wind measurements are typically taken by installing a meteorological tower on the site (or several in the case of this large project) and collecting data for at least 12 months. If these measurements are encouraging, additional meteorological towers would be installed on the site to aid in the modeling of wind speeds across the site.

The Proponent intends to install one initial met tower at a representative location within the investigative area. Then the Proponent would then conduct a wind resource modeling exercise in order to establish where gaps exist in our understanding of the distribution of the wind resource across the site. At that time additional met towers could be installed. It is possible that the locations of these additional met towers could change due to the gaps analysis, and in this case the Proponent will keep MFLNRO informed regarding the new locations.

Other modern technologies such as LiDAR or SoDAR can also be used to measure the wind resource. These devices could be installed adjacent to met towers, or they can also be relocated at various points around the development area to probe the variation in wind speed, direction, and other factors such as turbulence and shear. These technologies can be used to provide initial measurements in advance of a met tower or to fill information gaps that exist between met towers.

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### Constructibility

Constructability and environmental studies will be undertaken to establish that the site is generally constructible using existing construction methods. These studies may be accelerated in the lead up to the next call for power by BC Hydro. Ongoing discussions with overlapping tenure holders are also useful for determining site feasibility with respect to possible conflicts with other infrastructure at the site. Issues of concern at this site include possible conflicts with other infrastructure and operations activities as well as possible seasonal constraints on construction activities.

Further investigation of constructability issues may include geotechnical drilling at the project site in order to test the ground conditions. This is important information given the high cost of wind turbine foundations. The locations for geotechnical drilling will be near to the met tower locations, with specific sites identified in collaboration with a qualified engineering firm and provided to MFLNRO. Drilling could potential involve the clearing of trees and/or the sourcing of water and licenses for these activities would be sought if needed.

Environmental studies, as well as consultation with local First Nations and stakeholders, also contribute to the determination of site feasibility.

### First Nations

Sea Breeze takes a proactive approach to engaging local First Nations in project development activities including obtaining their input on the suitability of the project area. The Company initiates early discussions to inform First Nations of the proposed projects and, where appropriate, Sea Breeze also informs First Nations of our interest in entering into consultation and capacity funding agreements to support their involvement in the development and construction of the eventual wind farm.

Sea Breeze researches government maps and websites to identify First Nations reserve lands, asserted traditional territories and treaty lands to determine which First Nations may be impacted by an energy project under investigation. Sea Breeze then initiates early project discussions with the potentially affected First Nations. Initial contact is typically made between Sea Breeze's senior executives such as the CEO (or President) and the elected Chiefs and Councils of the First Nations. Ensuing discussions typically address the questions of which First Nations are most impacted by the project and how they wish to be consulted. The Company recognizes that all of the potentially impacted First Nations within the region will be informed and consulted on the proposed project.

### Wildlife and Birds

The proponent will investigate desktop sources to establish where red, blue and yellow listed species are known to exist in the vicinity. Sea Breeze will conduct studies to examine the possible effects of the proposed wind farm on local birds, bats, and other wildlife. Strategies to avoid impacts to wildlife and wildlife habitats, along with strategies to minimize or reduce the

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impacts and disturbance, will be developed by consulting biologists and discussed with agency personnel.

#### **Plant Life**

This project is expected to have low impacts to plants during both construction and operation, based on the small footprint of a typical wind farm relative to its spatial extent. Sea Breeze will study these potential impacts, and develop appropriate mitigation measures, and discuss the findings with the MFLNRO.

#### **Mining Interests**

Sea Breeze will conduct a search through the BC Ministry of Energy and Mines of all mineral rights tenure holders in the project area. If any current claims are identified, Sea Breeze will contact the owners and the Gold Commissioner as per the guidelines outlined in the *Mineral Right of Way Act*.

#### **Fish**

In addition to consultation with Fisheries and Oceans Canada, local First Nations, and others, Sea Breeze will conduct a study of the potential effects of the proposed project on fish and fish habitat, and will develop appropriate mitigation measures. Sea Breeze will obtain necessary approvals in relation to construction that could impact fish and fish habitat, where necessary.

#### **Local Government and Recreational Use**

Given the location of the proposed project, we do not anticipate any conflicts with recreational users or other interested parties. The Proponent will contact all local government to discuss potential land-use and zoning issues associated with the project area. The Proponent has taken care not to site this project within any restricted areas such as provincial parks.

#### **Forests**

We anticipate that activities related to the proposal will be conducted on existing industrial roads in the area. Installation of meteorological towers may require some minimal clearing and brush cutting operations at the direct base area of the towers. Any additional clearing, road improvements, or road extensions will be authorized with the co-operation of MFLNRO and forest companies as appropriate.

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