

# Applying for a Water Licence

Updated February 2008

THIS PAGE MUST BE COMPLETED FOR ALL APPLICATIONS.

PLEASE READ THE APPLICATION FORM GUIDE WHEN COMPLETING THIS APPLICATION.

## PART 1. NAME(S) AND MAILING ADDRESS

Client Name ☒ OR Company Name ☐ OR Society Name ☐

Garry Loiselle

For applications made by more than one individual: *N/A*

☐ Joint Tenants; or,

☐ Tenants in Common

Your File Number (if applicable):

*N/A*

Contact Name of Agent (if applicable): *N/A*

BC Incorp. No., BC Registered No. or Society No.: *N/A*

GST Registration Number: *120197124RT0001*

Mailing Address

Box 2036  
Dawson Creek, BC

Postal Code: *V1G 4K8*

E-mail Address

s.22

Home Phone

Business Phone

*(250) 782-2331*

Fax Number

*(250) 782-4382*

Applicant /Agent's Signature(s)

s.22

Date

*January 17/2011*

Please Enclose Appropriate fees (see Fee Schedule 1 Water Application Fees) *150*

**NOTE:** Make cheque or money order payable to the Minister of Finance.

The information you provide will be subject to the Freedom of Information and Protection of Privacy Act. If you have any questions regarding the treatment of your personal information, please contact the Manager, Privacy, Information Access and Records Management.

In addition, the submission of this form does not in any manner convey any rights to use or occupy Crown land.

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

## FOR OFFICE USE ONLY

Date Received

**RECEIVED**  
JAN 31 2011  
**RECEIVED**  
OIL AND GAS COMMISSION  
FORT ST. JOHN, BC  
FEB 15 2011

Water File Number: *7002130*

Client Number: *43973*

Application Number: *WLA20110215-0004*

Map Number:

Fees Received:

Receipt Number:

*ATS#60663-63192*

FRONT COUNTER BC  
PRINCE GEORGE, BC

# Applying for a Water Licence – Water Act



**NOTE:** Once you have completed this form, please refer to the Application Completeness Checklist for additional information that must be submitted with this application.

## PART 2. PLACE OF USE – LEGAL DESCRIPTION OF PROPERTY WHERE WATER IS TO BE USED

PID# LOC # 814061 File # 8003270	Land description: 8003270 Bull Moose Creek - Roll # 50076000 814 Bull Moose Creek - Roll # 50076004 Civic address of the property: N/A
---	---

An applicant must have tenure to the land where water will be used. Attached  
(Provide copies of Certificate of Title, Recent Tax Notice or Crown Land Tenure.)

Are you the Registered Owner?  
Yes ☐ No ☐ Lessee ☐ Other ☒

Do you hold another water licence(s)?  
Yes ☒ No ☐ If yes, state Licence Number: C105330 7000488  
C123196 7001975  
C122185 7001954 File Number: 2001954 Client Number: 43973  
C122077 7001954

## PART 3. PURPOSE(S) AND QUANTITY(IES) – Please refer to Schedule 1 – Water Purpose and Application Fees

<b>Domestic:</b> Number of dwellings: _____ Quantity (m <sup>3</sup> per day or Gallons) _____	<b>Other:</b> Quantity: _____ Unit: _____ Quantity: _____ Unit: _____
<b>Irrigation:</b> Quantity: <u>10</u> Unit: <u>acre feet</u> Number of acres to be irrigated: <u>20</u>	<b>Stockwatering:</b> Quantity: _____ Unit: _____ Number of stock: _____ Type of stock: _____

**Note:** For Water Licence application with proposed diversion rate over 100 m<sup>3</sup> (25,000 gallons) a day, a Development Plan must be completed. N/A

## PART 4. SOURCE OF WATER

Name of Source: <u>Bull Moose Creek</u> If creek, brook or river, width and depth of source at diversion point: <u>10m</u> <u>1m</u>	Flows into: <u>Murray River</u>
---	---------------------------------

## PART 5. WORKS—Existing or proposed to divert and convey water to place of use (works must be shown on drawing)

List Works	
a) Diversion Works	Pump <input type="checkbox"/> or Gravity Feed <input type="checkbox"/> <u>Gravity feed to a well, pump well to dugout</u> — m or — ft Are any of the Works on Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> On Crown land: _____ m or _____ ft
b) Storage Works	Do you require storage? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, complete and attach <u>Schedule 2 - Dam &amp; Reservoir Information</u> <u>attached</u> <u>Dugout</u> Land flooded: <u>0.36</u> ha (hectares), or _____ ac (acres) On Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
c) Additional Information	Joint with another's Works? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, with whom? _____ Works constructed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Use of a Joint Works Agreement is recommended if part or all of your proposed works will be shared with other water licence holder(s). Enclosed: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

## PART 6. OTHER LANDS PHYSICALLY AFFECTED BY WORKS

Do or will the Works occupy or flood another person's private land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Landowner's Consent Form for private land affected Enclosed: Yes <input type="checkbox"/> N/A <input checked="" type="checkbox"/> or Could not obtain <input type="checkbox"/>	Will the Works occupy or flood Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, a PCL fee is required with the application which is based on the total area of Crown land used Total area used: _____ ha (hectares), or _____ ac (acres) Refer to Part 6 of the <u>Application Requirements</u> for area calculation
If yes to either question, provide the legal description of land affected _____	Name of Owner(s) including Crown land tenure holders _____

## WATER LICENCE APPLICATION DRAWING

**APPLICANT'S DRAWING – Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.**

*See attached 3 drawings*



Scale: .....

Applicant's Signature: .....

**Legend:**

Date: .....

Point of Diversion



Pipe



Pipe Over Crown land



The boundaries of the land to which this licence is appurtenant are shown thus



**For Office use Only**

Land District:

Map:

POD:

Water District:

Precinct:

## SCHEDULE 2 DAM & RESERVOIR INFORMATION

(Updated July 2007)

### REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR STORAGE PURPOSE

1. WATER LICENCE APPLICATION INFORMATION			FOR OFFICE USE ONLY
SURNAME <i>Loiselle</i>	GIVEN NAME(S) <i>Garry</i>	Date Received	
MAILING ADDRESS <i>Box 2036, Dawson Creek, BC</i>		FILE NUMBER	
E-MAIL ADDRESS <small>s.22</small>	POSTAL CODE <i>V1G 4K8</i>		
HOME PHONE <small>s.22</small>	BUSINESS PHONE <i>250-782-2331</i>		
FAX <i>250-782-4382</i>			

SOURCE(S) OF WATER (NAME OF STREAM WHERE WORKS ARE TO BE CONSTRUCTED)

*Bull Moose Creek*

PROJECT CONSULTANT

*N/A*

The Water Stewardship Division may recommend that the dam be designed by, and constructed under the supervision of, a Professional Engineer registered in the province of BC.

*It is not a dam*

MAILING ADDRESS

POSTAL CODE

PHONE

FAX

### 2. PROPOSED WORKS – Please Complete 1 or 2 where applicable to your project

1. DUGOUT/POND	IS THE DUGOUT CONSTRUCTED IN THE STREAM CHANNEL OR OFF STREAM? <i>Dugout - off stream - gravity feed from stream to well, pump well to</i>			
	STORAGE CAPACITY of Dugout <i>2.8 million gallons</i> <i>12,625 → or m<sup>3</sup></i>	LENGTH <i>65.0 m</i>	WIDTH <i>60.0 m</i>	MAXIMUM DEPTH dugout <i>5.0 m</i>
2. DAM/RESERVOIR	NOTE: PLEASE ATTACH A DETAILED PLAN FOR (a) THROUGH (d) BELOW SHOWING CROSS SECTIONS AND PLAN VIEWS OF THE PROPOSED DAM/RESERVOIR STRUCTURE.			
a) STORAGE DAM	HEIGHT m	LENGTH m	CREST WIDTH m	
	FOOT PRINT AREA FOR DAM _____ ha (allow 10 metres beyond actual dam structure for maintenance).			
	CONSTRUCTION MATERIALS			
b) RESERVOIR	STORAGE CAPACITY dam <sup>3</sup> or m <sup>3</sup>	FLOODED AREA ha		
	Land tenure where works are to be constructed and/or flooded, owned by: Applicant <input type="checkbox"/> Private <input type="checkbox"/> Crown <input type="checkbox"/>			
c) SPILLWAY	DESCRIPTION/TYPE			
	DESIGN FLOW m <sup>3</sup> /s	FREEBOARD m		
d) LOW LEVEL OUTLET (SLUICeway)	DESCRIPTION/TYPE			
	NUMBER OF SEEPAGE COLLARS		CONTROL WORKS USED	

### 3. STREAM HYDROLOGY FLOW INFORMATION

- (i) If the stream is perennial or flows intermittently, please provide a low flow assessment (for filling and maintaining reservoirs) and a high flow assessment (for determining dam design flood) and/or a complete hydrological assessment in support of your application.
- (ii) If the stream flow is ephemeral in nature (i.e., flows only during wet periods or during spring runoff), please provide an estimate of the drainage areas above the dam or dugout location, an adequate summary of any measured stream flow information available and/or an estimate of high flows in support of your application.

Note: If you have any questions concerning the hydrology of your stream (source), please contact your local Water Stewardship Division Office for more detailed information.

### 4. FISH POND PERMIT

If you intend to place or maintain fish in your dugout or reservoir, you must obtain a Private Fish Pond permit or Commercial Fish Farm Licence. Please contact the nearest office of Ministry of Environment or the Ministry of Agriculture and Lands for more information.

NOTE: IF SPACE IS INSUFFICIENT, PLEASE ATTACH THE REQUESTED INFORMATION IN A COVERING LETTER OR REPORT



## GPS Coordinates Form New Water Licence Application (Optional)

This form is used to assist Water Stewardship identify key coordinates obtained by a global positioning system.

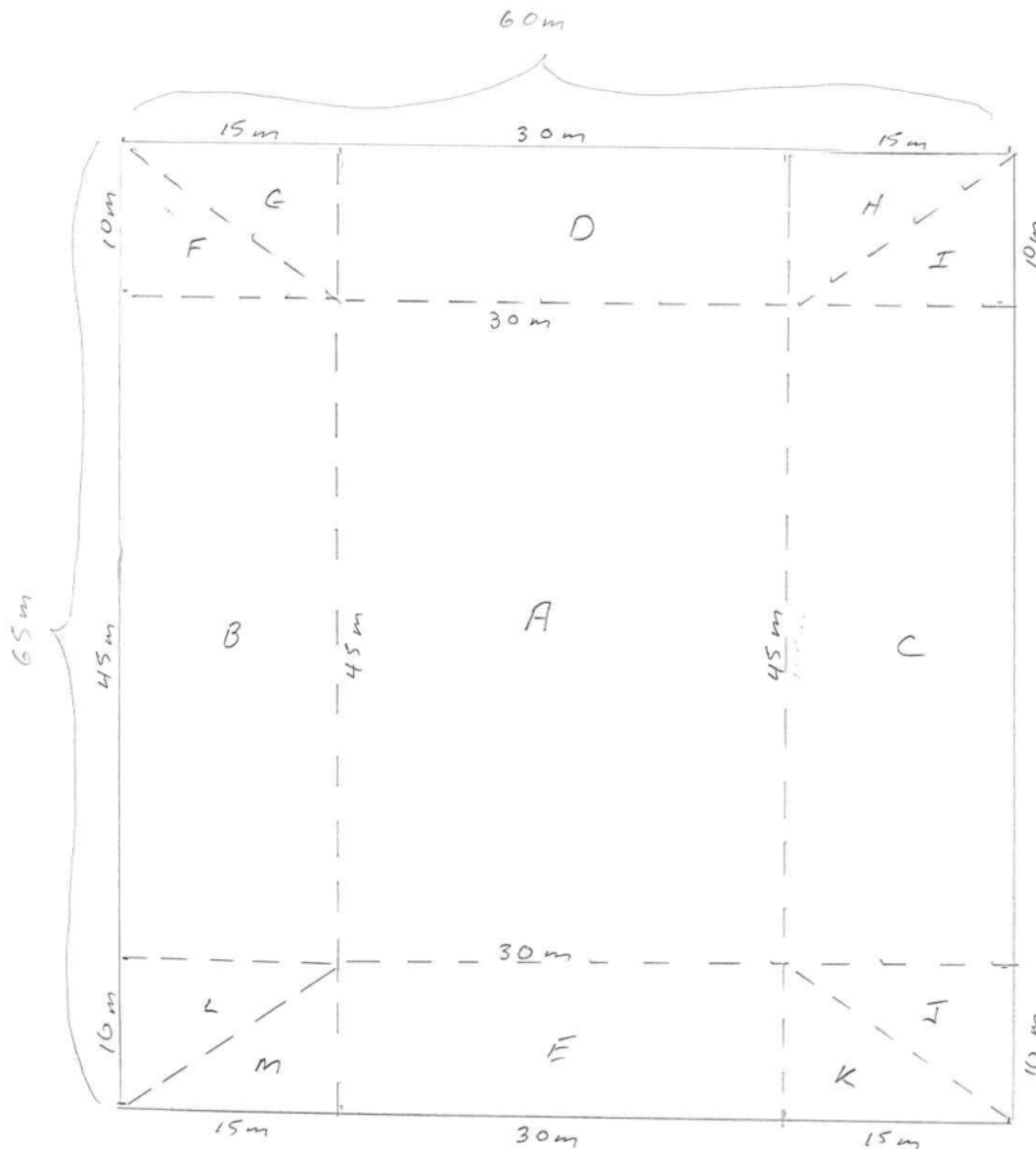
GPS COORDINATES	
<b>GPS Coordinates</b>	Global Positioning System (GPS) coordinates can be provided using this GPS Coordinates Form for the: point of proposed diversion, the dwelling (if applicable) and any property pins found. The GPS unit should be set to the NAD83 datum. A GPS device may be obtained from a surveyor.
<b>Proposed Point of Diversion</b> <i>well site</i>	ZONE: <i>10</i> UTM Easting: <i>0606912</i> UTM Northing: <i>6120169</i>
<b>Location of Dwelling</b> <i>old vacant house</i>	ZONE: <i>10</i> UTM Easting: <i>0606924</i> UTM Northing: <i>6120396</i>
<b>Property Pins (1)</b> <i>Not corner pins but corner of open field Northwest corner</i>	ZONE: <i>10</i> UTM Easting: <i>0606900</i> UTM Northing: <i>6120600</i>
<b>Property Pins (2)</b> <i>Not corner pins but corners of open field Northeast corner</i>	ZONE: <i>10</i> UTM Easting: <i>0607195</i> UTM Northing: <i>6120500</i>
<b>Property Pins (3)</b> <i>Not corner pins but corners of open field South east corner</i>	ZONE: <i>10</i> UTM Easting: <i>0607290</i> UTM Northing: <i>6120240</i>
<b>Property Pins (4)</b> <i>Not corner pins but corners of open field South west corner</i>	ZONE: <i>10</i> UTM Easting: <i>0606915</i> UTM Northing: <i>6120165</i>
<b>Property Pins (5)</b> If applicable	ZONE: UTM Easting: UTM Northing:
<b>Property Pins (6)</b> If applicable	ZONE: UTM Easting: UTM Northing:

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Withheld pursuant to/removed as

Copyright

Proposed Dugout for Bullmoose  
May 4, 2010



Note two side slopes are at 2:1 and two at 3:1

Dugout Dimensions - 60m X 65m X 5m (depth)

Volumes: A = 45 X 30 X 5 = 6750

B + C = 45 X 15 X 5 = 3375

D + E = 30 X 10 X 5 = 1500

F + G + H + I + J + K + L + M = 20 X 30 X 5 X 1/3 = 1000

12625 cubic meters or 2,727,500 gallons  
or 10.235 acre feet



## Plan For Bull Moose

To irrigate 20 acres. The land will be sprinkled two times per summer with 3 inch sprinklings each time. This is approximately 10 acre feet of water.

The sprinklings will occur in late June/early July and late July.

To fill the dugout which will hold approximately 10.235 acre feet (12625 cubic meters) (2,777,500 gallons) water will be pumped from a culvert well near the creek to a dugout. The culvert well will fill from the creek using gravity flows. A rock filter will be created between the creek and the well.

A 2 inch pump will be used to pump water from the well to the dugout. The pump will move 1000 gallons of water per hour or 24,000 gallons a day. (Note pump is thus pumping 16.67 gallons/minute). This is under the quantities in a license that requires a management plan.

Assuming some losses due to evaporation there will be a need for 3,000,000 gallons per year. Note some spring freshet water may also flow into dugout so the 3,000,000 may be a liberal amount. However using this assumption - pumping will be required for 125 days per year.

The pumping period is planned from mid April to July 1 - ie 75 days and September 1 to October 20 - ie 50 days. Total 125 days



Hay cutting would occur in early August.

# Applying for a Water Licence

Updated February 2008

THIS PAGE MUST BE COMPLETED FOR ALL APPLICATIONS.

PLEASE READ THE **APPLICATION FORM GUIDE** WHEN COMPLETING THIS APPLICATION.

## PART 1. NAME(S) AND MAILING ADDRESS

Client Name ☒ OR Company Name ☐ OR Society Name ☐

~~John Loisel~~  
Loiselle Investments Ltd  
(Garry Loiselle)

For applications made by more than one individual: *N/A*

- ☐ Joint Tenants; or,  
☐ Tenants in Common

Your File Number (if applicable):

*N/A*

Contact Name of Agent (if applicable): *N/A*

BC Incorp. No., BC Registered No. or Society No.: ~~111~~ 0705654 GST Registration Number: 120197124RT0001

Mailing Address

Box 2036  
Dawson Creek, BC

Postal Code: *V1G 4K8*

E-mail Address  
s.22

Home Phone  
s.22

Business Phone

(250) 782-2331

Fax Number

(250) 782-4382

Applicant / Agent's Signature(s)  
s.22

Date

*January 27/2011*

Please Enclose Appropriate fees (see Fee Schedule 1 Water Application Fees) *\$150*

**NOTE:** Make cheque or money order payable to the Minister of Finance.

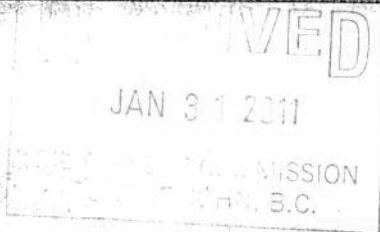
The information you provide will be subject to the Freedom of Information and Protection of Privacy Act. If you have any questions regarding the treatment of your personal information, please contact the Manager, Privacy, Information Access and Records Management.

In addition, the submission of this form does not in any manner convey any rights to use or occupy Crown land.

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

## FOR OFFICE USE ONLY

Date Received



Water File Number:

Client Number:

Application Number:

Map Number:

Fees Received:

Receipt Number:

ATS# 60665-63193



# Applying for a Water Licence – Water Act

**NOTE:** Once you have completed this form, please refer to the Application Completeness Checklist for additional information that must be submitted with this application.

## PART 2. PLACE OF USE – LEGAL DESCRIPTION OF PROPERTY WHERE WATER IS TO BE USED

PID # <b>014390604</b>	Land description: <b>North east quarter Section 14, Township 77, Range 15, W6M, Peace River District</b>
Civic address of the property: <b>N/A</b>	

An applicant must have tenure to the land where water will be used.  
(Provide copies of Certificate of Title, Recent Tax Notice or Crown Land Tenure.)

Are you the Registered Owner?  
Yes ☒ No ☐ Lessee ☐ Other ☐

Do you hold another water licence(s)?

Yes ☐ No ☒ If yes, state Licence Number: \_\_\_\_\_ File Number: \_\_\_\_\_ Client Number: \_\_\_\_\_

## PART 3. PURPOSE(S) AND QUANTITY(IES) – Please refer to Schedule 1 – Water Purpose and Application Fees

<b>Domestic:</b> Number of dwellings: _____ Quantity (m <sup>3</sup> per day or Gallons) _____	<b>Other:</b> Quantity: _____ Unit: _____ Quantity: _____ Unit: _____
<b>Irrigation:</b> Quantity: <b>17.5</b> Unit: <b>acre feet</b> Number of acres to be irrigated: <b>35</b>	<b>Stockwatering:</b> Quantity: _____ Unit: _____ Number of stock: _____ Type of stock: _____

**Note:** For Water Licence application with proposed diversion rate over 100 m<sup>3</sup> (25,000 gallons) a day, a Development Plan must be completed. **Water will gravity feed from Bissette Creek to well, water will be pumped from well to Dugout at a rate of 24,000 gallons per Day**

## PART 4. SOURCE OF WATER

Name of Source: <b>3,000,000 gallons from Bissette Creek</b> <b>4,700,000 gallons from local runoff</b>	Flows into: <b>Pouce Coupe River</b>
If creek, brook or river, width and depth of source at diversion point: <b>5m wide</b> <b>2m deep</b>	

## PART 5. WORKS-Existing or proposed to divert and convey water to place of use (works must be shown on drawing)

### List Works

a) Diversion Works	Pump <input type="checkbox"/> or Gravity Feed <input type="checkbox"/> <b>Gravity feed to well, pump to dugout</b>	Pipe into a river or lake measured from the high water mark: _____ m or _____ ft
Are any of the Works on Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		On Crown land: _____ m or _____ ft
b) Storage Works	Do you require storage? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, complete and attach <u>Schedule 2 - Dam &amp; Reservoir Information</u>
Land flooded: <b>0.6</b> ha (hectares), or _____ ac (acres)		On Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
c) Additional Information	Joint with another's Works? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, with whom? _____
Works constructed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/>		Use of a Joint Works Agreement is recommended if part or all of your proposed works will be shared with other water licence holder(s).
Enclosed: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

## PART 6. OTHER LANDS PHYSICALLY AFFECTED BY WORKS

Do or will the Works occupy or flood another person's private land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Will the Works occupy or flood Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Landowner's Consent Form for private land affected Enclosed: Yes <input type="checkbox"/> N/A <input checked="" type="checkbox"/> or Could not obtain <input type="checkbox"/>	If Yes, a PCL fee is required with the application which is based on the total area of Crown land used Total area used: _____ ha (hectares), or _____ ac (acres) Refer to Part 6 of the <u>Application Requirements</u> for area calculation
If yes to either question, provide the legal description of land affected _____	Name of Owner(s) including Crown land tenure holders _____

## WATER LICENCE APPLICATION DRAWING

**APPLICANT'S DRAWING** – Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.

*Attached are 3 diagram sketches*



Scale: .....

Applicant's Signature: .....

Legend:

Date: .....

Point of Diversion ●

Pipe - - - - -

Pipe Over Crown land = = = = =

The boundaries of the land to which this licence is appurtenant are shown thus **=====**

**For Office use Only**

Land District: \_\_\_\_\_

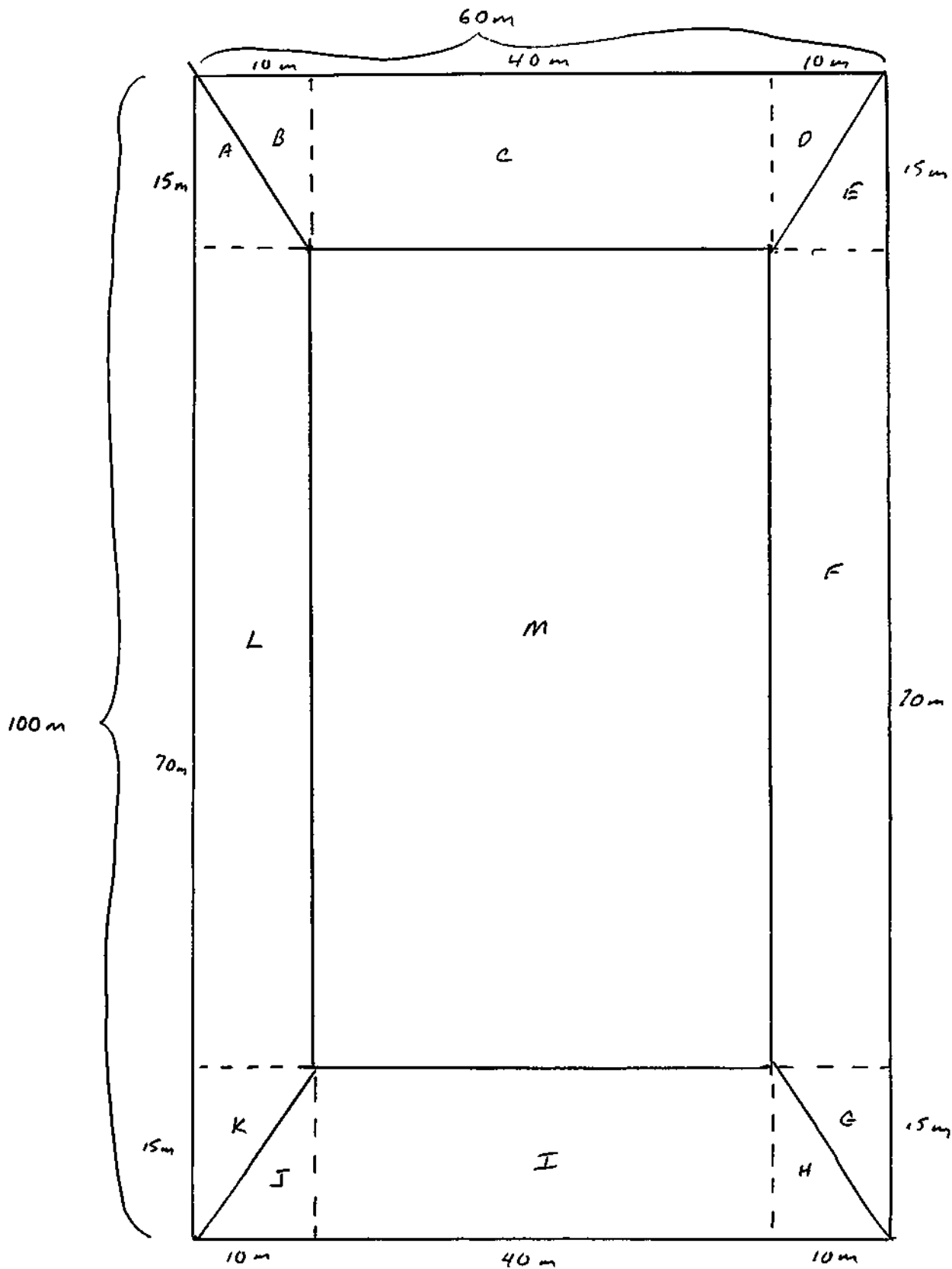
Map: \_\_\_\_\_

POD: \_\_\_\_\_

Water District: \_\_\_\_\_

Precinct: \_\_\_\_\_

# Jason Loiselette's Dugout



$$\begin{aligned}
 M &= 40 \times 70 \times 5 = 14,000 \\
 L + F &= 70 \times 10 \times 5 = 3,500 \\
 C + I &= 40 \times 15 \times 5 = 3,000 \\
 A + B + D + E + G + H + J + K &= 30 \times 20 \times 5 \times \frac{1}{3} = 1,000
 \end{aligned}$$

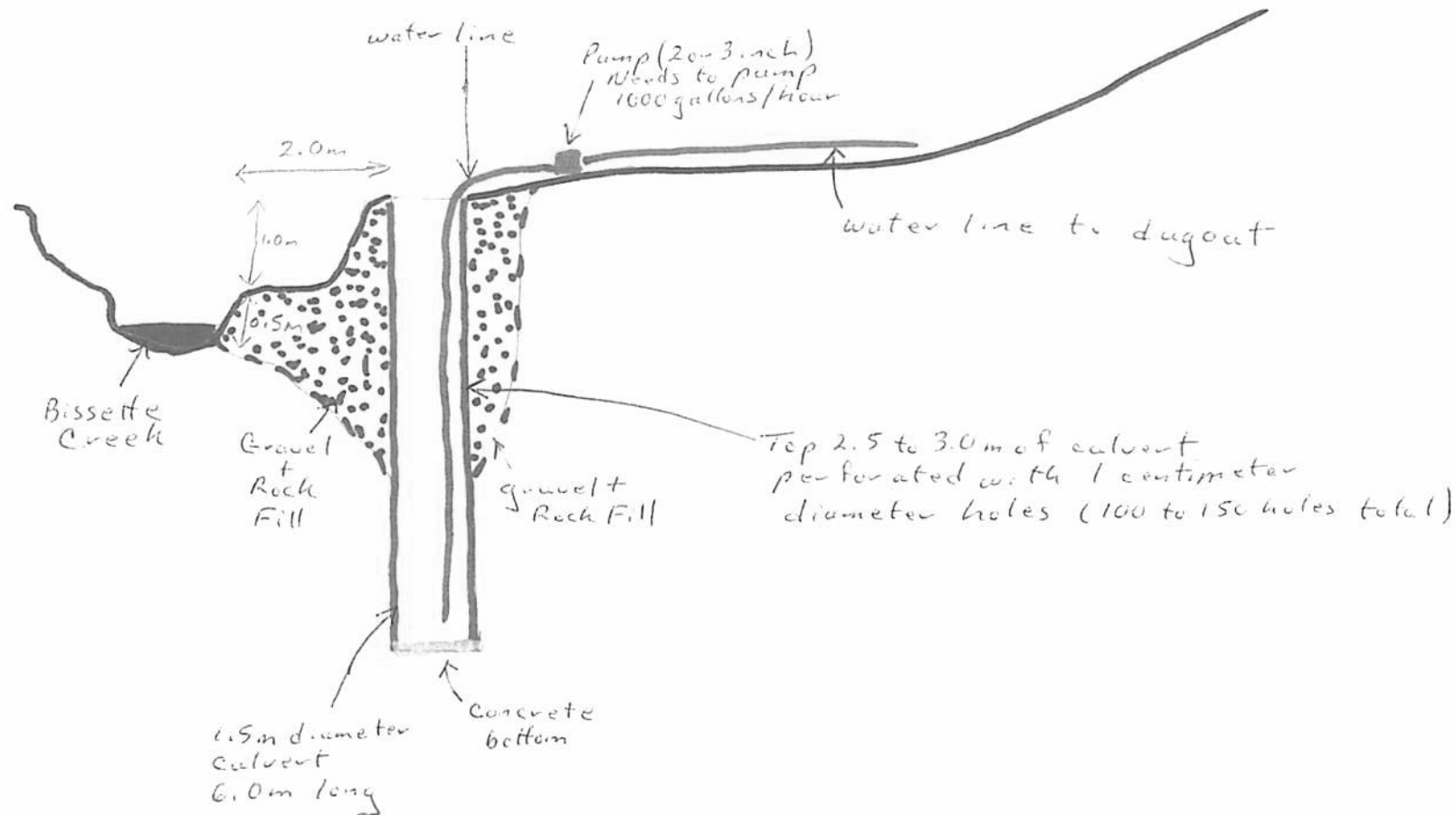
$$\text{Total } 21,500 \text{ m}^3 (4,729,600 \text{ gallons}) (17.5 \text{ acre feet})$$



Not to scale

Jason Laiselle's  
Bissette Property  
February, 2011

The plan is to construct a dugout that will hold 4,700,000 gallons. Of this 1,700,000 gallons will be from local runoff. The dugout will be designed so spoil is placed on 3 sides only, the south side will have no spoil to allow local runoff to run in. A well will be constructed next to the creek bank and back filled with rock and gravel to allow water to gravity feed from the creek into the well. Water will be pumped from the well to the dugout at a rate of 24,000 gallons per day (1000 gallons/hour). Pumping will occur for 125 days per year. The pumping period will be April 15 to July 15 (ie 90 days) and September 1 to October 5 (ie 35 days). The land to be irrigated is 35 acres in size and will be completed using two 3-inch sprinklings one in late June and one in mid to late July.



Jason Loiseleur's  
Bissette Property

Scale 1:23,650

Copyright

Amos Dugout





## SCHEDULE 2 DAM & RESERVOIR INFORMATION

### REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR STORAGE PURPOSE

#### 1. WATER LICENCE APPLICATION INFORMATION

FOR OFFICE USE ONLY

SURNAME <u>Loiselle Investments Ltd</u> <u>Loiselle (Barry Loiselle)</u>	GIVEN NAME(S) <u>Loiselle</u>	Date Received
MAILING ADDRESS  <u>Box 2036, Dawson Creek, BC</u>		
E-MAIL ADDRESS <sup>s.22</sup> <u></u>	POSTAL CODE <u>V1G 4K8</u>	
HOME PHONE <sup>s.22</sup> <u></u>	FAX <u>250-782-4382</u>	
BUSINESS PHONE <u>250-782-2331</u>	FILE NUMBER <u>-</u>	
SOURCE(S) OF WATER (NAME OF STREAM WHERE WORKS ARE TO BE CONSTRUCTED) <u>Bissette Creek</u>		
PROJECT CONSULTANT <u>N/A</u>	<p>▲ The Water Stewardship Division may recommend that the dam be designed by, and constructed under the supervision of, a Professional Engineer registered in the province of BC.</p>	
MAILING ADDRESS <u></u>		
		POSTAL CODE <u></u>
		PHONE <u></u>
		FAX <u></u>

#### 2. PROPOSED WORKS - Please Complete 1 or 2 where applicable to your project

1. DUGOUT/POND	IS THE DUGOUT CONSTRUCTED IN THE STREAM CHANNEL OR OFF STREAM? <u>Dugout is off stream - gravity feed from stream to well, pump from well to dugout</u>		
	STORAGE CAPACITY of Dugout <u>4.7 million gallons</u> <u>21,500 m<sup>3</sup></u>	LENGTH <u>100.0</u> m	WIDTH <u>60.0</u> m
	MAXIMUM DEPTH <u>5.0</u> m		
2. DAM/RESERVOIR	NOTE: PLEASE ATTACH A DETAILED PLAN FOR (a) THROUGH (d) BELOW SHOWING CROSS SECTIONS AND PLAN VIEWS OF THE PROPOSED DAM/RESERVOIR STRUCTURE		
a) STORAGE DAM	HEIGHT <u></u> m	LENGTH <u></u> m	CREST WIDTH <u></u> m
	FOOT PRINT AREA FOR DAM maintenance) <u></u> ha (allow 10 metres beyond actual dam structure for		
	CONSTRUCTION MATERIALS		
b) RESERVOIR	STORAGE CAPACITY <u></u> dam <sup>3</sup> <u></u> or m <sup>3</sup>	FLOODED AREA <u></u> ha	
	Land tenure where works are to be constructed and/or flooded, owned by: Applicant <input type="checkbox"/> Private <input type="checkbox"/> Crown <input type="checkbox"/>		
c) SPILLWAY	DESCRIPTION/TYPE		
	DESIGN FLOW <u></u> m <sup>3</sup> /s	FREEBOARD <u></u> m	
d) LOW LEVEL OUTLET (SLUICeway)	DESCRIPTION/TYPE		
	NUMBER OF SEEPAGE COLLARS	CONTROL WORKS USED	

#### 3. STREAM HYDROLOGY FLOW INFORMATION

- (i) If the stream is perennial or flows intermittently, please provide a low flow assessment (for filling and maintaining reservoirs) and a high flow assessment (for determining dam design flood) and/or a complete hydrological assessment in support of your application.
- (ii) If the stream flow is ephemeral in nature (i.e., flows only during wet periods or during spring runoff), please provide an estimate of the drainage areas above the dam or dugout location, an adequate summary of any measured stream flow information available and/or an estimate of high flows in support of your application.
- Note: If you have any questions concerning the hydrology of your stream (source), please contact your local Water Stewardship Division Office for more detailed information.

#### 4. FISH POND PERMIT

If you intend to place or maintain fish in your dugout or reservoir, you must obtain a Private Fish Pond permit or Commercial Fish Farm Licence. Please contact the nearest office of Ministry of Environment or the Ministry of Agriculture and Lands for more information.

NOTE: IF SPACE IS INSUFFICIENT, PLEASE ATTACH THE REQUESTED INFORMATION IN A COVERING LETTER OR REPORT

## GPS Coordinates Form New Water Licence Application (Optional)

This form is used to assist Water Stewardship identify key coordinates obtained by a global positioning system.

GPS COORDINATES	
<b>GPS Coordinates</b>	Global Positioning System (GPS) coordinates can be provided using this GPS Coordinates Form for the: point of proposed diversion, the dwelling (if applicable) and any property pins found. The GPS unit should be set to the NAD83 datum. A GPS devise may be obtained from a surveyor.
<b>Proposed Point of Diversion</b> <i>well site</i>	ZONE: <i>10</i> UTM Easting: <i>0675476</i> UTM Northing: <i>6173867</i>
<b>Location of Dwelling</b> <i>None</i> <i>Dugout location</i>	ZONE: <i>10</i> UTM Easting: <i>0675551</i> UTM Northing: <i>6173732</i>
<b>Property Pins (1)</b> <i>North east corner of NE 1/4, Section 14</i>	ZONE: <i>10</i> UTM Easting: <i>0676122</i> UTM Northing: <i>6173972</i>
<b>Property Pins (2)</b> <i>South east corner of NE 1/4, Section 14</i>	ZONE: <i>10</i> UTM Easting: <i>0676152</i> UTM Northing: <i>6173169</i>
<b>Property Pins (3)</b> <i>NW corner of main open field - part to be irrigated</i>	ZONE: <i>10</i> UTM Easting: <i>0675476</i> UTM Northing: <i>6173867</i>
<b>Property Pins (4)</b> <i>SW corner of main open field - part to be irrigated</i>	ZONE: <i>10</i> UTM Easting: <i>0675815</i> UTM Northing: <i>6173170</i>
<b>Property Pins (5)</b>  <i>If applicable</i>	ZONE: UTM Easting: UTM Northing:
<b>Property Pins (6)</b>  <i>If applicable</i>	ZONE: UTM Easting: UTM Northing:



# Applying for a Water Licence

Updated February 2008

THIS PAGE MUST BE COMPLETED FOR ALL APPLICATIONS.

PLEASE READ THE APPLICATION FORM GUIDE WHEN COMPLETING THIS APPLICATION.

## PART 1. NAME(S) AND MAILING ADDRESS

Client Name <input checked="" type="checkbox"/> OR Company Name <input type="checkbox"/> OR Society Name <input type="checkbox"/>		For applications made by more than one individual: <i>N/A</i> <input type="checkbox"/> Joint Tenants; or, <input type="checkbox"/> Tenants in Common
<i>Loiselle Investments Ltd (Garry Loiselle)</i>		Your File Number (if applicable):
Contact Name of Agent (if applicable): <i>—</i>		
BC Incorp. No., BC Registered No. or Society No.: <i>0705654</i>		GST Registration Number: <i>120197124RT0001</i>
Mailing Address <i>Box 2036, Dawson Creek, BC</i>		
		Postal Code: <i>V1G 4K8</i>
E-mail Address s.22		
Home Phone s.22	Business Phone <i>(250) 782-2331</i>	Fax Number <i>(250) 782-4382</i>

Applicant /Agent's Signature(s) s.22	<i>[Signature]</i>	Date <i>January 17/2011</i>
---	--------------------	--------------------------------


Please Enclose Appropriate fees (see Fee Schedule 1 Water Application Fees) *\$150*

**NOTE:** Make cheque or money order payable to the Minister of Finance.

The information you provide will be subject to the Freedom of Information and Protection of Privacy Act. If you have any questions regarding the treatment of your personal information, please contact the Manager, Privacy, Information Access and Records Management.

In addition, the submission of this form does not in any manner convey any rights to use or occupy Crown land.

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

FOR OFFICE USE ONLY	
Date Received	Water File Number:
 JAN 31 2011 CLERK OF THE COMMISSION FORT ST. JOHN, B.C.	Client Number:
	Application Number:
	Map Number:
	Fees Received:
	Receipt Number:

*ATS#60666-63194*



The Best Place on Earth

# Applying for a Water Licence – Water Act

**NOTE:** Once you have completed this form, please refer to the Application Completeness Checklist for additional information that must be submitted with this application.

## PART 2. PLACE OF USE – LEGAL DESCRIPTION OF PROPERTY WHERE WATER IS TO BE USED

PID # <b>014390728</b>	Land description: <b>North 1/2 of Section 16, Township 77, Range 15, W6M, Peace River District</b>
Civic address of the property: <b>N/A</b>	

An applicant must have tenure to the land where water will be used.  
(Provide copies of Certificate of Title, Recent Tax Notice or Crown Land Tenure.)

Are you the Registered Owner?  
Yes ☒ No ☐ Lessee ☐ Other ☐

Do you hold another water licence(s)? **C122077 7001954**  
**C105330 7000988**  
Yes ☒ No ☐ If yes, state Licence Number: **C123196** File Number: **7001975** Client Number: **43923**  
**C122185 7001954**

## PART 3. PURPOSE(S) AND QUANTITY(IES) – Please refer to Schedule 1 – Water Purpose and Application Fees

<b>Domestic:</b> Number of dwellings: _____ Quantity (m <sup>3</sup> per day or Gallons) _____	<b>Other:</b> Quantity: _____ Unit: _____ Quantity: _____ Unit: _____
<b>Irrigation:</b> Quantity: <b>17.5</b> Unit: <b>Acres feet</b> Number of acres to be irrigated: <b>35</b>	<b>Stockwatering:</b> Quantity: _____ Unit: _____ Number of stock: _____ Type of stock: _____

**Note:** For Water Licence application with proposed diversion rate over 100 m<sup>3</sup> (25,000 gallons) a day, a Development Plan must be completed. **Water will gravity feed from Bissette Creek to well, water will be pumped from well to dugout at a rate of 24,000 gallons per day.**

## PART 4. SOURCE OF WATER

Name of Source: **Bissette Creek - 2,700,000 gallons**  
**Local runoff - 2,000,000 gallons.**  
If creek, brook or river, width and depth of source at diversion point: **5m wide, 4m deep**  
Flows into: **Peace Rouge River**

## PART 5. WORKS – Existing or proposed to divert and convey water to place of use (works must be shown on drawing)

### List Works

a) Diversion Works	Pump <input type="checkbox"/> or Gravity Feed <input type="checkbox"/> <b>Gravity feed to well - pump to dugout</b> Are any of the Works on Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> On Crown land: _____ m or _____ ft	Pipe into a river or lake measured from the high water mark: _____ m or _____ ft
b) Storage Works	Do you require storage? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, complete and attach <u>Schedule 2 - Dam &amp; Reservoir Information</u> Land flooded: <b>0.6</b> ha (hectares), or _____ ac (acres) On Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
c) Additional Information	Joint with another's Works? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Works constructed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> <b>An old dugout will be expanded for the water storage</b> Use of a Joint Works Agreement is recommended if part or all of your proposed works will be shared with other water licence holder(s). Enclosed: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, with whom? _____

## PART 6. OTHER LANDS PHYSICALLY AFFECTED BY WORKS

Do or will the Works occupy or flood another person's private land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Landowner's Consent Form for private land affected Enclosed: Yes <input type="checkbox"/> N/A <input checked="" type="checkbox"/> or Could not obtain <input type="checkbox"/>	Will the Works occupy or flood Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, a PCL fee is required with the application which is based on the total area of Crown land used Total area used: _____ ha (hectares), or _____ ac (acres) Refer to Part 6 of the <u>Application Requirements</u> for area calculation
If yes to either question, provide the legal description of land affected _____	Name of Owner(s) including Crown land tenure holders _____



# WATER LICENCE APPLICATION DRAWING

APPLICANT'S DRAWING – Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.

See attached 3 sketches



Scale: .....

Applicant's Signature: .....

**Legend:**

Date: .....

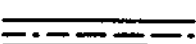
Point of Diversion



Pipe



Pipe Over Crown land



The boundaries of the land to which this licence is appurtenant are shown thus



For Office use Only

Land District:

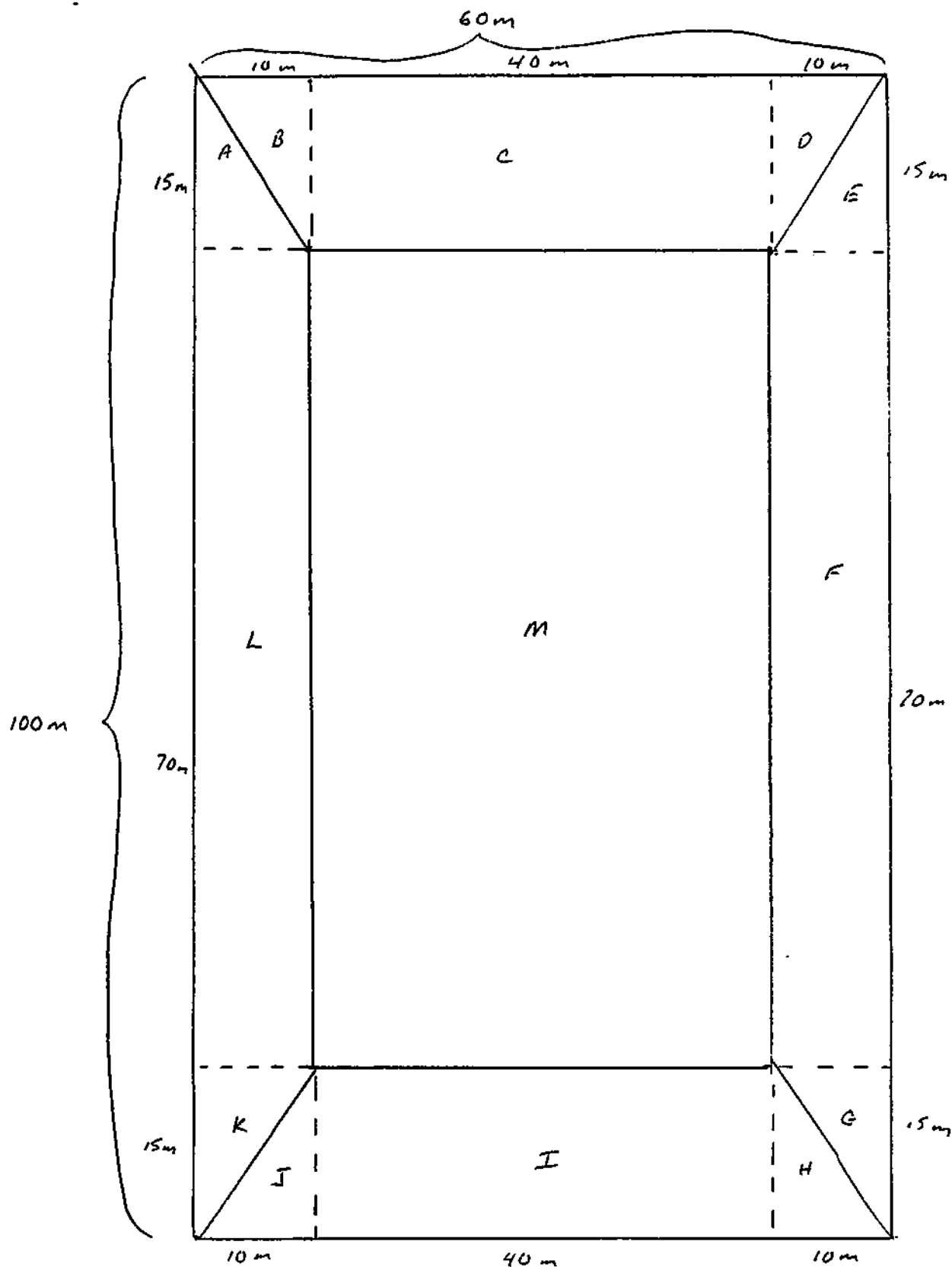
Map:

POD:

Water District:

Precinct:

# Garry Loiselles Dugout



$$M = 40 \times 70 \times 5 = 14,000$$

$$L + F = 70 \times 10 \times 5 = 3,500$$

$$C + I = 40 \times 15 \times 5 = 3,000$$

$$A + B + D + E + G + H + K + J = 30 \times 20 \times 5 \times \frac{1}{3} = 1,000$$

$$\text{Total } 21,500 \text{ m}^3 (4,729,600 \text{ gallons}) (17.5 \text{ acre feet})$$

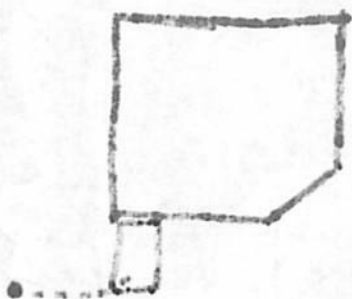
Scale 1:12,750

Copyright

4  
N



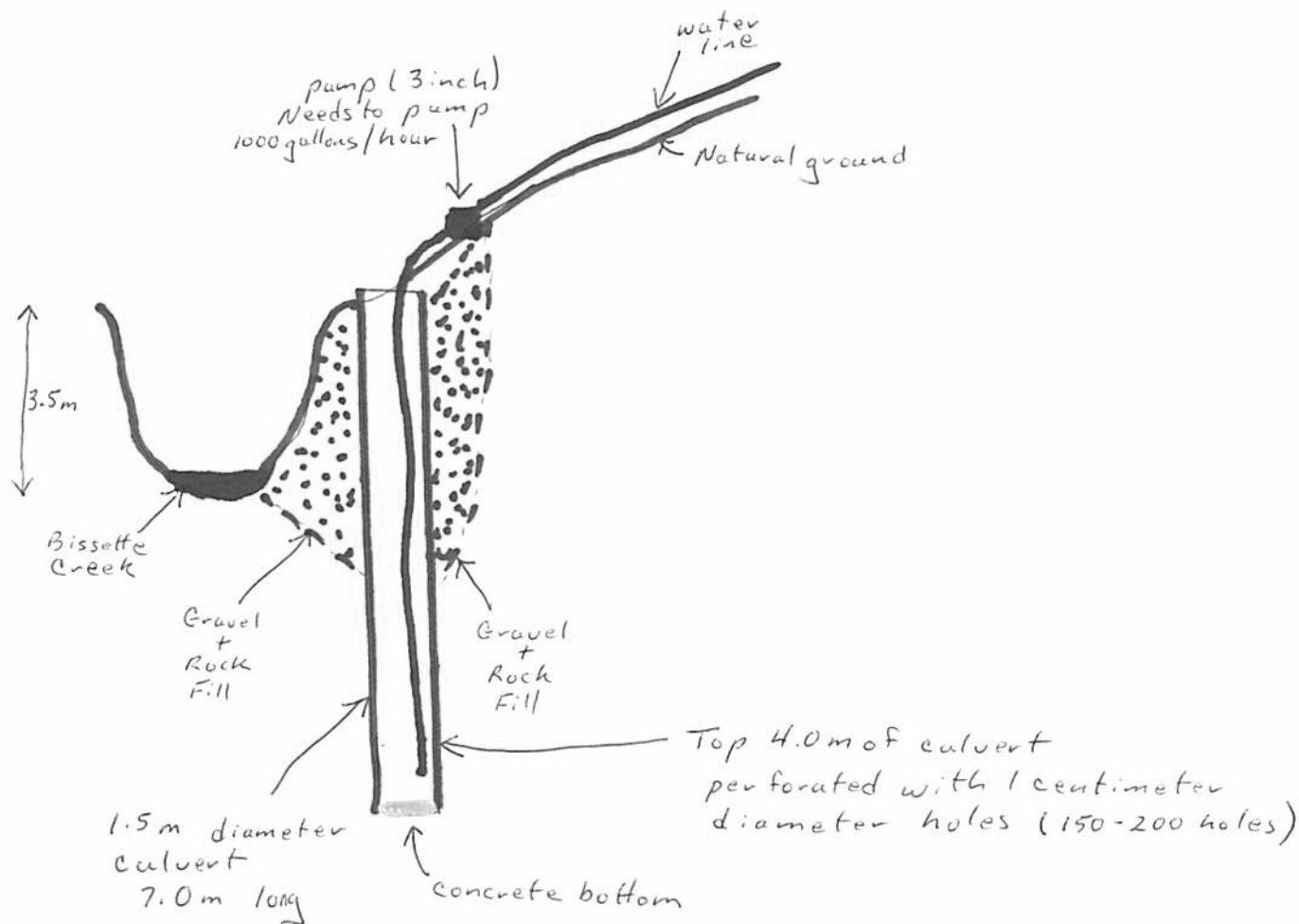
67  
3:22 6/16  
17

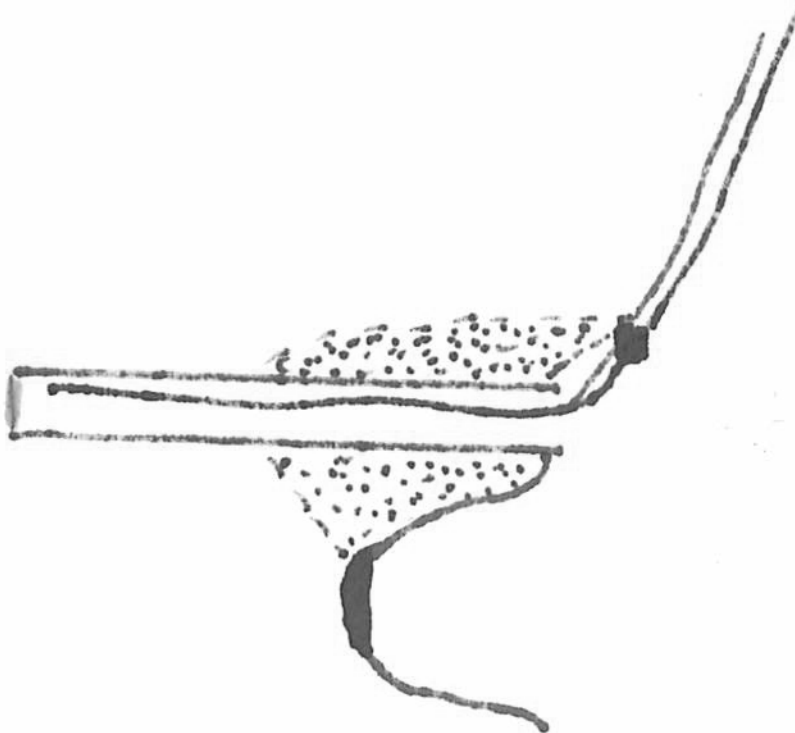


Not to Scale

G. Loisel's  
Bissette Property  
February, 2011

The plan is to construct a dugout that will hold 4,700,000 gallons. Local runoff will supply nearly 2,000,000 gallons of water. The other 2,700,000 gallons will come from this well adjacent Bissette Creek. The well will be gravity fed from Bissette Creek using a rock/gravel filter. Water from the well will be pumped to the dugout to supply 2,700,000 gallons. The plan is to use a pump that will move 1000 gallons of water per hour. Water will be pumped 115 days a year (April 15 to July 15 and September 1 to September 25). A field of 35 acres will be irrigated from the dugout. Irrigation will occur twice per year in 3 inch sprinklings (i.e. 6 inches per year). One sprinkling in mid to late June and one in mid July.





## SCHEDULE 2

### DAM & RESERVOIR INFORMATION

#### REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR STORAGE PURPOSE

#### 1. WATER LICENCE APPLICATION INFORMATION

FOR OFFICE USE ONLY

SURNAME <i>Loiselle Investments Ltd</i> <i>(Garry Loiselle)</i>		GIVEN NAME(S) —		Date Received	
MAILING ADDRESS <i>Box 2036, Dawson Creek, BC</i>					
E-MAIL ADDRESS <sup>s.22</sup>		POSTAL CODE <i>V1G 4K8</i>			
HOME PHONE <sup>s.22</sup>		BUSINESS PHONE <i>250-782-2331</i>		FAX <i>250-782-4382</i>	
FILE NUMBER					

SOURCE(S) OF WATER (NAME OF STREAM WHERE WORKS ARE TO BE CONSTRUCTED)

*Bissette Creek*

PROJECT CONSULTANT

*N/A*

◀ The Water Stewardship Division may recommend that the dam be designed by, and constructed under the supervision of, a Professional Engineer registered in the province of BC.

MAILING ADDRESS

POSTAL CODE

PHONE

FAX

#### 2. PROPOSED WORKS – Please Complete 1 or 2 where applicable to your project.

1. DUGOUT/POND	IS THE DUGOUT CONSTRUCTED IN THE STREAM CHANNEL OR OFF STREAM? <i>Dugout is off stream - gravity feed from stream to well, pump from well to dugout</i>			
	STORAGE CAPACITY <sup>of Dugout</sup> <i>4.7 million gallons</i>	LENGTH <i>100.0 m</i>	WIDTH <i>60.0 m</i>	MAXIMUM DEPTH <i>5.0 m</i>
2. DAM/RESERVOIR	NOTE: PLEASE ATTACH A DETAILED PLAN FOR (a) THROUGH (d) BELOW SHOWING CROSS SECTIONS AND PLAN VIEWS OF THE PROPOSED DAM/RESERVOIR STRUCTURE			
a) STORAGE DAM	HEIGHT m	LENGTH m	CREST WIDTH m	
	FOOT PRINT AREA FOR DAM maintenance) ha (allow 10 metres beyond actual dam structure for			
	CONSTRUCTION MATERIALS			
b) RESERVOIR	STORAGE CAPACITY dam <sup>3</sup> or m <sup>3</sup>	FLOODED AREA ha		
	Land tenure where works are to be constructed and/or flooded, owned by: Applicant <input type="checkbox"/> Private <input type="checkbox"/> Crown <input type="checkbox"/>			
c) SPILLWAY	DESCRIPTION/TYPE			
	DESIGN FLOW m <sup>3</sup> /s	FREEBOARD m		
d) LOW LEVEL OUTLET (SLUICeway)	DESCRIPTION/TYPE			
	NUMBER OF SEEPAGE COLLARS		CONTROL WORKS USED	

#### 3. STREAM HYDROLOGY FLOW INFORMATION

- (i) If the stream is perennial or flows intermittently, please provide a low flow assessment (for filling and maintaining reservoirs) and a high flow assessment (for determining dam design flood) and/or a complete hydrological assessment in support of your application.
- (ii) If the stream flow is ephemeral in nature (i.e., flows only during wet periods or during spring runoff), please provide an estimate of the drainage areas above the dam or dugout location, an adequate summary of any measured stream flow information available and/or an estimate of high flows in support of your application.

Note: If you have any questions concerning the hydrology of your stream (source), please contact your local Water Stewardship Division Office for more detailed information.

#### 4. FISH POND PERMIT

If you intend to place or maintain fish in your dugout or reservoir, you must obtain a Private Fish Pond permit or Commercial Fish Farm Licence. Please contact the nearest office of Ministry of Environment or the Ministry of Agriculture and Lands for more information.

NOTE: IF SPACE IS INSUFFICIENT, PLEASE ATTACH THE REQUESTED INFORMATION IN A COVERING LETTER OR REPORT

## GPS Coordinates Form New Water Licence Application (Optional)

This form is used to assist Water Stewardship identify key coordinates obtained by a global positioning system.

GPS COORDINATES	
<b>GPS Coordinates</b>	Global Positioning System (GPS) coordinates can be provided using this GPS Coordinates Form for the: point of proposed diversion, the dwelling (if applicable) and any property pins found. The GPS unit should be set to the NAD83 datum. A GPS device may be obtained from a surveyor.
<b>Proposed Point of Diversion</b> <i>Well near Bissette Cr.</i>	ZONE: <i>10</i> UTM Easting: <i>0672427</i> UTM Northing: <i>6173259</i>
<b>Location of Dwelling</b> <i>None</i> <b>Dugout Location</b>	ZONE: <i>10</i> UTM Easting: <i>0672420</i> UTM Northing: <i>6173480</i>
<b>Property Pins (1)</b> <i>Proposed Field for Irrigation NE corner</i>	ZONE: <i>10</i> UTM Easting: <i>0672861</i> UTM Northing: <i>6173847</i>
<b>Property Pins (2)</b> <i>Proposed Field for Irrigation SE corner</i>	ZONE: <i>10</i> UTM Easting: <i>0672881</i> UTM Northing: <i>6173410</i>
<b>Property Pins (3)</b> <i>Proposed Field for Irrigation NW corner</i>	ZONE: <i>10</i> UTM Easting: <i>0672387</i> UTM Northing: <i>6173635</i>
<b>Property Pins (4)</b> <i>Proposed Field for Irrigation</i>	ZONE: <i>10</i> UTM Easting: <i>0672418</i> UTM Northing: <i>6173403</i>
<b>Property Pins (5)</b> If applicable	ZONE: UTM Easting: UTM Northing:
<b>Property Pins (6)</b> If applicable	ZONE: UTM Easting: UTM Northing:

# Applying for a Water Licence

Updated February 2008

THIS PAGE MUST BE COMPLETED FOR ALL APPLICATIONS.  
PLEASE READ THE APPLICATION FORM GUIDE WHEN COMPLETING THIS APPLICATION.

## PART 1. NAME(S) AND MAILING ADDRESS

Client Name <input checked="" type="checkbox"/> OR Company Name <input type="checkbox"/> OR Society Name <input type="checkbox"/>		For applications made by more than one individual: <i>N/A</i> <input type="checkbox"/> Joint Tenants; or, <input type="checkbox"/> Tenants in Common
<i>Loiselle Investments Ltd (Garry Loiselle)</i>		Your File Number (if applicable):
Contact Name of Agent (if applicable):		
BC Incorp. No., BC Registered No. or Society No.: <i>0705654</i>		GST Registration Number: <i>120197124RT0001</i>
Mailing Address <i>Box 2036, Dawson Creek, BC</i>		
		Postal Code: <i>V1C 4K8</i>
E-mail Address <small>s.22</small>		
Home Phone <small>s.22</small>	Business Phone <i>(250) 782-2331</i>	Fax Number <i>(250) 782-4382</i>

Applicant /Agent's Signature(s)  
s.22

Date

*2011/03/15*

Please Enclose Appropriate fees (see Fee Schedule 1 Water Application Fees) *#156*

**NOTE:** Make cheque or money order payable to the Minister of Finance.

The information you provide will be subject to the Freedom of Information and Protection of Privacy Act. If you have any questions regarding the treatment of your personal information, please contact the Manager, Privacy, Information Access and Records Management.

In addition, the submission of this form does not in any manner convey any rights to use or occupy Crown land.

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

## FOR OFFICE USE ONLY

Date Received	<b>RECEIVED</b>	Water File Number: <i>7002139</i>
		Client Number: <i>43973</i>
		Application Number: <i>WLA20110509-0002</i>
		Map Number: <i>93P069</i>
		Fees Received:
		Receipt Number:
MAR 21 2011		
FRONTCOUNTER BC PRINCE GEORGE, BC		

# Applying for a Water Licence – Water Act

**NOTE:** Once you have completed this form, please refer to the Application Completeness Checklist for additional information that must be submitted with this application.

## PART 2. PLACE OF USE – LEGAL DESCRIPTION OF PROPERTY WHERE WATER IS TO BE USED

PID # 014390728	Land description: <i>North 1/2 of Section 16, Township 77, Range 15, W6M, Peace River District</i>
	Civic address of the property: <i>N/A</i>

An applicant must have tenure to the land where water will be used.  
(Provide copies of Certificate of Title, Recent Tax Notice or Crown Land Tenure.)

Are you the Registered Owner?  
Yes ☒ No ☐ Lessee ☐ Other ☐

Do you hold another water licence(s)?  
Yes ☒ No ☐ If yes, state Licence Number: *C122 077* *7001954*  
*C105 330* *7000988*  
*C123 196* File Number: *7001975* Client Number: *43973*  
*C122 185* *7001954*

## PART 3. PURPOSE(S) AND QUANTITY(IES) – Please refer to Schedule 1 – Water Purpose and Application Fees

<b>Domestic:</b>	<b>Other:</b>	Quantity: _____	Unit: _____
Number of dwellings: _____	_____	Quantity: _____	Unit: _____
Quantity (m <sup>3</sup> per day or Gallons) _____	_____		

<b>Irrigation:</b>	<b>Stockwatering:</b>
Quantity: <i>22.0</i> Unit: <i>acre feet</i>	Quantity: _____ Unit: _____
Number of acres to be irrigated: <i>44.0</i>	Number of stock: _____ Type of stock: _____

**Note:** For Water Licence application with proposed diversion rate over 100 m<sup>3</sup> (25,000 gallons) a day, a Development Plan must be completed. *N/A*

## PART 4. SOURCE OF WATER

Name of Source: <i>local runoff</i>	Flows into: <i>unnamed tributary of Bissette Creek</i>
If creek, brook or river, width and depth of source at diversion point: _____	

## PART 5. WORKS—Existing or proposed to divert and convey water to place of use (works must be shown on drawing)

List Works	
a) Diversion Works	Pump <input type="checkbox"/> or Gravity Feed <input type="checkbox"/> Pipe into a river or lake measured from the high water mark: _____ m or _____ ft
	Are any of the Works on Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> On Crown land: _____ m or _____ ft
b) Storage Works	Do you require storage? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, complete and attach <u>Schedule 2 - Dam &amp; Reservoir Information</u>
	Land flooded: <i>2.0</i> ha (hectares), or <i>5.0</i> ac (acres) On Crown land? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
c) Additional Information	Joint with another's Works? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, with whom? _____
	Works constructed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Use of a Joint Works Agreement is recommended if part or all of your proposed works will be shared with other water licence holder(s).
	Enclosed: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

## PART 6. OTHER LANDS PHYSICALLY AFFECTED BY WORKS

Do or will the Works occupy or flood another person's private land? Yes <input type="checkbox"/> No <input type="checkbox"/>	Will the Works occupy or flood Crown land? Yes <input type="checkbox"/> No <input type="checkbox"/>
Landowner's Consent Form for private land affected Enclosed: Yes <input type="checkbox"/> N/A <input type="checkbox"/> or Could not obtain <input type="checkbox"/>	If Yes, a PCL fee is required with the application which is based on the total area of Crown land used
	Total area used: _____ ha (hectares), or _____ ac (acres)
	Refer to Part 6 of the <u>Application Requirements</u> for area calculation

If yes to either question, provide the legal description of land affected _____	Name of Owner(s) including Crown land tenure holders _____
--	---

# WATER LICENCE APPLICATION DRAWING

**APPLICANT'S DRAWING – Prepare a drawing to submit with your application. Refer to the required drawing standards for required elements.**

*see attached sketch*



Scale: .....

Applicant's Signature: .....

**Legend:**

Date: .....

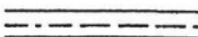
Point of Diversion



Pipe



Pipe Over Crown land



The boundaries of the land to which this licence is appurtenant are shown thus



**For Office use Only**

Land District:

Map:

POD:

Water District:

Precinct:



G. Loisel

### Proposed Irrigation Plan

The plan is to deepen an existing wetland area on the edge of the upper end of one of the tributaries to Bissette Creek. The wetland area is presently partially flooded by beaver activity. The wetland will be deepened and the spoil placed so that it acts as a berm on the north edge so that water does not back onto the neighbors property. A small ditch will be run on the north side of the spoil berm to ensure water flowing from the neighbors property south to this wetland has ~~a~~ a route to escape into this tributary stream of Bissette Creek. In order to ensure adequate runoff water to fill this dugout/wetland a conveyance ditch 350 meters long is required. This ditch will convey all water from the west into this dugout area.

A spillway from the dugout will be constructed so any excess water in the dugout will go into this tributary stream to Bissette Creek. The berm will be constructed so all parts of it are 1.0 meters higher than the spillway elevation.

The field to be irrigated is 44 acres in size and located to the immediate west and south of the dugout. The irrigation plan is to irrigate the field using a sprinkler system 3 times a year, applying about 2 inches of water each time. The schedule for sprinkling is early to mid June, mid June to late June and the

last sprinkling early to mid July. Hay cutting is planned for late July.

The dugout will only fill once a year from spring freshet flows unless a large summer rain causes flows over the uplands that can not be absorbed by the ground. These events occur once every 5 to 10 years in the Peace River area and do top up dugouts and reservoirs. These are considered bonus water situations and can not be relied on.

E. Lonsdale  
Point #2  
October 27, 2010

original

Scale 1:4600 (ie 1cm = 46m)  
Copyright

1 1

1 1

1 1

 - Proposed Earth Placement    - Proposed Dugout Earth removal  
- Proposed Ditching  
- Proposed water level (MOL)

Page 36

Withheld pursuant to/removed as

Copyright

## SCHEDULE 2 DAM & RESERVOIR INFORMATION

REQUIRED IN SUPPORT OF A WATER LICENCE APPLICATION FOR STORAGE PURPOSE

### 1. WATER LICENCE APPLICATION INFORMATION

FOR OFFICE USE ONLY

SURNAME <i>Loiselle Investments Ltd (Garry Loiselle)</i>	GIVEN NAME(S)	Date Received
MAILING ADDRESS <i>Box 2036, Dawson Creek BC</i>		
E-MAIL ADDRESS <sup>s.22</sup>	POSTAL CODE <i>V1G 4K8</i>	
HOME PHONE <sup>s.22</sup>	FAX	
BUSINESS PHONE <i>250-782-2331</i>	<i>250-782-4382</i>	
SOURCE(S) OF WATER (NAME OF STREAM WHERE WORKS ARE TO BE CONSTRUCTED) <i>near an unnamed tributary of Bissette Creek</i>		FILE NUMBER
PROJECT CONSULTANT	<p>◀ The Water Stewardship Division may recommend that the dam be designed by, and constructed under the supervision of, a Professional Engineer registered in the province of BC.</p>	
MAILING ADDRESS		

—	POSTAL CODE	PHONE	FAX
---	-------------	-------	-----

### 2. PROPOSED WORKS – Please Complete 1 or 2 where applicable to your project.

1. <u>DUGOUT/POND</u>	IS THE DUGOUT CONSTRUCTED IN THE STREAM CHANNEL OR OFF STREAM? <i>on the edge of a small water channel</i>		
	STORAGE CAPACITY <i>6,000,000 dam<sup>3</sup> gallons m<sup>3</sup> 22,000 of m<sup>3</sup></i>	LENGTH <i>200 m</i>	WIDTH <i>120 m</i>
	MAXIMUM DEPTH <i>5.0 m</i>		
2. DAM/RESERVOIR	NOTE: PLEASE ATTACH A DETAILED PLAN FOR (a) THROUGH (d) BELOW SHOWING CROSS SECTIONS AND PLAN VIEWS OF THE PROPOSED DAM/RESERVOIR STRUCTURE.		
a) STORAGE DAM	HEIGHT m	LENGTH m	CREST WIDTH m
	FOOT PRINT AREA FOR DAM (allow 10 metres beyond actual dam structure for maintenance). CONSTRUCTION MATERIALS		
b) RESERVOIR	STORAGE CAPACITY dam <sup>3</sup> or m <sup>3</sup>	FLOODED AREA ha	
	Land tenure where works are to be constructed and/or flooded, owned by: Applicant <input type="checkbox"/> Private <input type="checkbox"/> Crown <input type="checkbox"/>		
c) SPILLWAY	DESCRIPTION/TYPE		
	DESIGN FLOW m <sup>3</sup> /s	FREEBOARD m	
d) LOW LEVEL OUTLET (SLUICeway)	DESCRIPTION/TYPE		
	NUMBER OF SEEPAGE COLLARS	CONTROL WORKS USED	

### 3. STREAM HYDROLOGY FLOW INFORMATION

- (i) If the stream is perennial or flows intermittently, please provide a low flow assessment (for filling and maintaining reservoirs) and a high flow assessment (for determining dam design flood) and/or a complete hydrological assessment in support of your application.
- (ii) If the stream flow is ephemeral in nature (i.e., flows only during wet periods or during spring runoff), please provide an estimate of the drainage areas above the dam or dugout location, an adequate summary of any measured stream flow information available and/or an estimate of high flows in support of your application.
- Note: If you have any questions concerning the hydrology of your stream (source), please contact your local Water Stewardship Division Office for more detailed information.

### 4. FISH POND PERMIT

If you intend to place or maintain fish in your dugout or reservoir, you must obtain a Private Fish Pond permit or Commercial Fish Farm Licence. Please contact the nearest office of Ministry of Environment or the Ministry of Agriculture and Lands for more information.

NOTE: IF SPACE IS INSUFFICIENT, PLEASE ATTACH THE REQUESTED INFORMATION IN A COVERING LETTER OR REPORT

## GPS Coordinates Form New Water Licence Application (Optional)

This form is used to assist Water Stewardship identify key coordinates obtained by a global positioning system.

GPS COORDINATES	
<b>GPS Coordinates</b>	Global Positioning System (GPS) coordinates can be provided using this GPS Coordinates Form for the: point of proposed diversion, the dwelling (if applicable) and any property pins found. The GPS unit should be set to the NAD83 datum. A GPS devise may be obtained from a surveyor.
<b>Proposed Point of Diversion</b> <i>Dugout location</i>	ZONE: <i>10</i> UTM Easting: <i>067 2913</i> UTM Northing: <i>6173755</i>
<b>Location of Dwelling</b> <i>N/A</i>	ZONE: UTM Easting: UTM Northing:
<b>Property Pins (1)</b> <i>NE corner of N 1/2 of Sec 16 Twp 77, R15, W6M</i>	ZONE: <i>10</i> UTM Easting: <i>0672861</i> UTM Northing: <i>6173847</i>
<b>Property Pins (2)</b> <i>NE corner of the NW 1/4 of Sec 16 Twp 77, R15, W6M</i>	ZONE: <i>10</i> UTM Easting: <i>0672056</i> UTM Northing: <i>6173807</i>
<b>Property Pins (3)</b> <i>NE corner of proposed irrigated field</i>	ZONE: <i>10</i> UTM Easting: <i>067 2231</i> UTM Northing: <i>617 3792</i>
<b>Property Pins (4)</b> <i>SE corner of proposed irrigated field</i>	ZONE: <i>10</i> UTM Easting: <i>067 2418</i> UTM Northing: <i>617 3403</i>
<b>Property Pins (5)</b> If applicable	ZONE: UTM Easting: UTM Northing:
<b>Property Pins (6)</b> If applicable	ZONE: UTM Easting: UTM Northing: