

**PERMIT TO ALTER A BODY OF WATER**

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 39, 48

Date: MARCH 30, 2017

File No: 524  
Permit No: ALT9085-2017

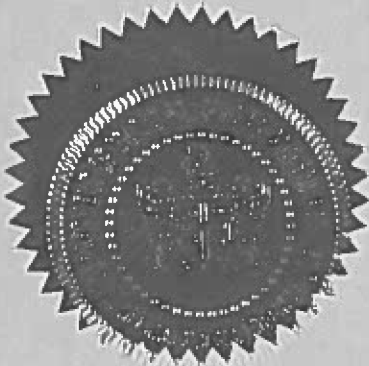
Permit Holder: Newfoundland Power Inc.  
55 Kenmount Road  
P.O. Box 8910  
St. John's, NL, A1B 3P6


Attention: Mr. Brad Parsons

Re: Carbonear (Unnamed Waterbodies) - Fording

Permission is hereby given for : the fording of four (4) unnamed bodies of water, Island Pond Brook, Job's Pond Brook and Big Brook between Carbonear and Victoria as required to rebuild approximately 13.4 kilometers of electrical transmission line (41L) as indicated in Appendices A and D of this Permit (attached), in reference to the application received February 23, 2017. This work includes rebuilding of approximately 1.7km of transmission line within the Rocky Pond Protected Public Water Supply Area (PPWSA) and approximately 3.2km within the Southern Cove Pond PPWSA. These protected areas are used as a source of drinking water by the towns of Victoria and Hearts Content respectively.

- This Permit does not release the Permit Holder from the obligation to obtain appropriate approvals from other concerned municipal, provincial and federal agencies.
- The Permit Holder must obtain the approval of the Crown Lands Administration Division if the project is being carried out on Crown Land.
- This Permit is subject to the terms and conditions indicated in Appendices A and B (attached).
- It should be noted that prior to any significant changes in the design or installation of the proposed works, or in event of changes in ownership or management of the project, an amendment to this Permit must be obtained from the Department of Municipal Affairs and Environment under Section 49 of the *Water Resources Act*.
- Failure to comply with the terms and conditions will render this Permit null and void, place the Permit Holder and their agent(s) in violation of the *Water Resources Act* and make the Permit Holder responsible for taking any remedial measures as may be prescribed by this Department.



  
MINISTER

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR  
Department of Municipal Affairs and Environment

File No: 524  
Permit No: ALT9085-2017

**APPENDIX A**  
**Terms and Conditions for Permit**

**Fording**

1. Except for single passenger all-terrain vehicles, crossings by other vehicles or construction equipment shall be limited to one trip in and one trip out.
2. Timbers or rocks shall be placed in streams to facilitate crossing or to minimize damage to the channel sections provided the streams are not unnecessarily constricted or backed up.
3. Alteration of the natural minimum streamflow is not permitted in order to preserve aquatic life.
4. Stream banks at fording sites that contain loose or erodible material must be adequately stabilized before crossing to minimize any siltation of streams.
5. The natural course of any stream must not be altered.
6. Infilling must not cause increased water elevation upstream or increase flow velocity downstream of the site. Reduction of the natural cross sectional area of any watercourse is not permitted.
7. The fording sites must be located at shallow sections of the channels where there are low approach grades, and where the channels consists of stable non-erodible rock or cobbles.
8. Fording shall only be carried out during periods of low water levels.
9. When the fording sites are no longer required, the Permit Holder must dismantle and remove all constructed works and restore the sites to their original condition. All material placed in streams must be completely removed.

10.

Stream Crossing	Description of Streambed	Amount of Vegetation	Channel Width (m)	Channel Depth (m)
41L - #1	Boulder	Moderate	4.0 - 6.0	0.4
41L - #2	Gravel	Moderate	5.0 - 8.0	0.4
41L - #3	Cobble	Heavy	5.0 - 6.0	0.5 - 0.7
41L - #4	Cobble	Heavy	5.0 - 7.0	0.4
41L - #5	No defined Stream	Moderate (Bog)	30.0	N/A
41L - #6	Gravel (Bog)	Moderate	0.3 - 2.0	0.4
41L - #7	Boulder	Sparse	1.0 - 3.0	0.4 - 0.8

**General Alterations**

11. Any work that must be performed below the high water mark must be carried out during a period of low water levels.
12. Any flowing or standing water must be diverted around work sites so that work is carried out in the dry.

13. Water pumped from excavations or work areas, or any runoff or effluent directed out of work sites, must have silt and turbidity removed by settling ponds, filtration, or other suitable treatment before discharging to a body of water. Effluent discharged into receiving waters must comply with the *Environmental Control Water and Sewage Regulations, 2003*.
14. All operations must be carried out in a manner that prevents damage to land, vegetation, and watercourses, and which prevents pollution of bodies of water.
15. With the exception of fording approved under this permit, the use of heavy equipment in streams or bodies of water is not permitted. The operation of heavy equipment must be confined to dry stable areas.
16. All vehicles and equipment must be clean and in good repair, free of mud and oil, or other harmful substances that could impair water quality.
17. During the construction of concrete components, formwork must be properly constructed to prevent any fresh concrete from entering a body of water. Dumping of concrete or washing of tools and equipment in any body of water is prohibited.
18. Wood preservatives such as penta, CCA or other such chemicals must not be applied to timber near a body of water. All treated wood or timber must be thoroughly dry before being brought to any work site and installed.
19. Any areas adversely affected by this project must be restored to a state that resembles local natural conditions. Further remedial measures to mitigate environmental impacts on water resources can and will be specified, if considered necessary in the opinion of this Department.
20. The bed, banks and floodplains of watercourses, or other vulnerable areas affected by this project, must be adequately protected from erosion by seeding, sodding or placing of rip-rap.
21. Periodic maintenance such as painting, resurfacing, clearing of debris, or minor repairs, must be carried out without causing any physical disruption of any watercourse. Care must be taken to prevent spillage of pollutants into the water.
22. The owners of structures are responsible for any environmental damage resulting from dislodgement caused by wind, wave, ice action, or structural failure.
23. Sediment and erosion control measures must be installed before starting work. All control measures must be inspected regularly and any necessary repairs made if damage is discovered.
24. Fill material must be of good quality, free of fines or other substances including metals, organics, or chemicals that may be harmful to the receiving waters.
25. The attached Completion Report (Appendix C) for Permit No. 9085 must be completed and returned to this Department upon completion of the approved works. Pictures must be submitted along with the completion report, showing the project site prior to and after development.
26. This Permit is valid for two years from the date of issue. Work must be completed by that date or the application and approval procedure must be repeated.
27. The location of the work is highlighted on the Location Map for this Permit attached as Appendix D.
28. All work must be carried out within the Permit Holder's legal property boundaries.

#### **PPWSA General**

29. All persons working on this project must be informed that they are within a Protected Public Water Supply Area, and must be made aware of all conditions of this Permit. A copy of this Permit must be on site during operations.
30. A minimum disturbance buffer zone of at least **150 metres** shall be maintained around intake ponds Rocky Pond and Southern Cove Pond, at least **50 metres** along both sides of all streams and main tributaries running into either intake pond, and at least **30 metres** around all ponds and along both sides of all other water bodies. Activity or development within these buffer zones must be kept to a minimum to avoid unnecessary disturbance.

32. All waste material is to be collected in refuse containers, and disposed of at an approved waste disposal site outside the Protected Public Water Supply Area in accordance with the *Environmental Protection Act, SNL 2002 cE-14.2*.
  33. The Department reserves the right to require that the Permit Holder follow, and cover all costs incurred by the Permit Holder or this department, associated with any water quality monitoring program that may be ordered by the Minister for the purpose of ensuring that the water quality is maintained within acceptable guidelines.
  34. Officials of the Department and the appropriate Municipal Authority, Operator, or Watershed Management Committee may visit the site to ensure compliance with this Permit.
  35. Liaison is to be maintained with the appropriate Municipal Authority and Environmental Scientist. If there are any specific problems (ie sedimentation, fuel spill, other potential water quality impairment), the appropriate Town Manager/Clerk, Mayor, Chair of the Local Service District Committee, or Chair of the Water Supply Committee must be notified immediately at (709)596-3783 (Victoria) and (709)583-2491 (Hearts Content) . The Environmental Scientist must also be notified immediately at (709)729-4817.
  36. The felling or disposing of trees, parts of trees, sawdust, bark, logging debris or slash into a water body or upon the frozen surface of a water body is strictly prohibited.
  37. Motorized vehicles, including snowmobiles and ATVs, shall not be used to cross the frozen surface of the intake ponds within the Protected Public Water Supply Areas.
  38. Any changes in water quality resulting directly from this project, rendering the water unsuitable as a public water supply, are the responsibility of the Permit Holder. The Minister may order the Permit Holder to provide an alternate source of potable water to the affected community until water quality returns to an accepted level.
  39. All stationary motorized equipment and fuel tanks shall have metal trays, absorbent pads or impervious liners under them to catch any leaking fuel or oil.
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40. Drainage from roads and other disturbed areas into any body of water must first be discharged into a settling pond, a vegetated area or pass through a sedimentation fence where all suspended material can settle out before draining into any body of water.
  41. Any streams not visible on a 1:50,000 scale map (including field identified streams) shall require a minimum buffer of 30 m.

#### **Fuel Storage**

42. There shall be no bulk fuel storage associated with this project within the protected water supply area. Fuel shall be brought to the operating area in no more than two (2), 205 litre barrels or one (1) 500 litre slip tank. Refueling sites shall be located at least 150 metres from any water body or wetland. The Permit Holder is hereby informed that fuel storage and handling requires a separate approval under the *Storage and Handling of Gasoline and Associated Products Regulations, CNR 775/96*.
43. A complete oil spill clean-up kit must be on site at all times when gasoline or fuel powered equipment is being used or refueled. The kit must contain the following:
  - -Fire pump and 100 metres of hose
  - -Two hand operated fuel pumps
  - -Six recovery containers such as empty 205 litre drums
  - -Four shovels
  - - Two pick axes
  - - Ten metres of containment boom
  - - Twenty-five absorbent pads
  - - One hundred litres of loose absorbent material
44. Any spills of gasoline, fuel or oil, regardless of volume, shall be reported immediately to the Environmental Scientist and the appropriate Municipal Authority or Watershed Management Committee by calling (709)729-4817 and (709)596-3783 (Victoria) or (709)583-2491 (Hearts Content). Furthermore, all spills in excess of 70 litres shall be reported immediately to the 24 hour spill report line at 1-800-563-9089.
45. Refueling sites shall be located at least 150 metres from any water body or wetland.

#### **Power Lines**

46. Wood and brush removed from the work site must be piled at least 50 metres from the shoreline of any water body.
  47. The use of creosote treated utility poles and/or anchor boxes is strictly prohibited inside a PPWSA.
  48. Chromated copper arsenate (CCA), ammoniacal copper arsenate (ACA) or copper naphthanate (CuNap) treated utility poles and/or anchor boxes may be used outside the below-referenced buffer zones.
  49. All poles and/or anchor boxes within 150 metres of an intake pond (Rocky Pond or Southern Cove Pond), 50 metres within a main tributary running into an intake pond, or within 30 metres of any other water body must be of untreated wood, metal or concrete.
  50. The **Policy Guidelines for Utility Poles in Water Supply Areas (WR 93-01)** must be strictly adhered to.
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GOVERNMENT OF NEWFOUNDLAND AND LABRADOR  
Department of Municipal Affairs and Environment

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**APPENDIX B**

**Special Terms and Conditions for Permit**

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1. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall keep all systems and works in good condition and repair and in accordance with all laws, by-laws, directions, rules and regulations of any governmental authority. The Permit Holder or its agent(s), subcontractor(s), or consultant(s) shall immediately notify the Minister if any problem arises which may threaten the structural stability of the systems and works, endanger public safety and/or the environment or adversely affect others and/or any body of water either in or outside the said Project areas. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall be responsible for all damages suffered by the Minister and Government resulting from any defect in the systems and works, operational deficiencies/inadequacies, or structural failure.
2. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall operate the said Project and its systems and works in a manner which does not cause any water related and/or environmental problems, including but not limited to problems of erosion, deposition, flooding, and deterioration of water quality and groundwater depletion, in or outside the said Project areas. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall be responsible for any and all damages associated with these problems caused as a result of changes, deficiencies, and inadequacies in the operational procedures by the Permit Holder or its agent(s), subcontractor(s), or consultant(s).
3. If the Permit Holder or its agent(s), subcontractor(s), or consultant(s) fails to perform, fulfil, or observe any of the terms and conditions, or provisions of this Permit and/or Ministerial orders and guidelines, as determined by this Department, the Minister may, after providing ten (10) day notice to the Permit Holder, amend, modify, suspend or cancel this Permit in accordance with the *Water Resources Act*.
4. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) indemnify and hold the Minister and Government harmless against any and all liabilities, losses, claims, demands, damages or expenses including legal expenses of any nature whatsoever whether arising in tort, contract, statute, trust or otherwise resulting directly or indirectly from granting this Permit, systems and works in or outside the said Project areas, or any act or omission of the Permit Holder or its agent(s), subcontractor(s), or consultant(s) in or outside the said Project areas, or arising out of a breach or non-performance of any of the terms and conditions, or provisions of this Permit by the Permit Holder or its agent(s), subcontractor(s), or consultant(s).
5. This Permit is subject to all provisions of the *Water Resources Act* and any regulations in effect either at the date of this Permit or hereafter made pursuant thereto or any other relevant legislation enacted by the Province of Newfoundland and Labrador in the future.
6. This Permit shall be construed and interpreted in accordance with the laws of the Province of Newfoundland and Labrador.

cc: Ms. Christa Ramsay (E)  
Environmental Scientist, Drinking Water and Wastewater Section  
Water Resources Management Division  
Department of Municipal Affairs and Environment  
P.O. Box 8700  
4th Floor, West Block, Confederation  
St. John's, NL A1B 4J6  
christaramsay@gov.nl.ca

cc: Ms. Paula Dawe, P.Eng.  
Manager, Drinking Water and Wastewater Section  
Water Resources Management Division  
Department of Municipal Affairs and Environment  
P.O. Box 8700  
4th Floor, West Block, Confederation Building  
St. John's, NL A1L 4J6  
pauladawe@gov.nl.ca

cc: Ms. Susan George  
Water Resources Technician  
Water Resources Management Division  
Department of Municipal Affairs and Environment  
P.O. Box 8700  
4th Floor, West Block, Confederation Building  
St. John's, NL A1B 4J6  
susangeorge@gov.nl.ca

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cc: Fisheries Protection Division  
Ecosystem Management Branch  
Fisheries and Oceans Canada  
P.O. Box 5667  
St. John's, NL A1C 5X1  
FPP-NL@dfo-mpo.gc.ca

cc: Town of Carbonear  
Ms. Cathy Somers  
256 Water Street  
P.O. Box 999  
Carbonear, NL A1Y 1C5  
carbonear@nf.aibn.com

cc: Town of Heart's Content  
Ms. Alice Cumby  
154 Main Road  
P.O. Box 31  
Heart's Content, NL A0B 1Z0  
heartcontent@persona.ca

cc: Town of Victoria  
Ms. Shelly Butt  
P.O. Box 130  
Victoria, NL A0A 4G0  
townofvictoria@nf.aibn.com

cc: Mr. Brian Combden  
Newfoundland Power Inc.  
P.O. Box 8910  
St. John's, NL A1B 3P6  
bcombden@newfoundlandpower.com



Government of Newfoundland and Labrador  
Department of Municipal Affairs and Environment  
Water Resources Management Division

### Appendix C - Completion Report

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 39, 48

Date: MARCH 30, 2017

File No: 524  
Permit No: ALT9085-2017

Permit Holder: Newfoundland Power Inc.  
55 Kenmount Road  
P.O. Box 8910  
St. John's, NL, A1B 3P6

Attention: Mr. Brad Parsons

Re: Carbonear (Unnamed Waterbodies) - Fording

Permission was given for : the fording of four (4) unnamed bodies of water, Island Pond Brook, Job's Pond Brook and Big Brook between Carbonear and Victoria as required to rebuild approximately 13.4 kilometers of electrical transmission line (41L) as indicated in Appendices A and D of this Permit (attached), in reference to the application received February 23, 2017. This work includes rebuilding of approximately 1.7km of transmission line within the Rocky Pond Protected Public Water Supply Area (PPWSA) and approximately 3.2km within the Southern Cove Pond PPWSA. These protected areas are used as a source of drinking water by the towns of Victoria and Hearts Content respectively.

*I (the Permit Holder named above or agent authorized to represent the Permit Holder) do hereby certify that the project described above was completed in accordance with the plans and specifications submitted to the Department of Municipal Affairs and Environment and that the work was carried out in strict compliance with the terms and conditions of the Permit issued for this project.*

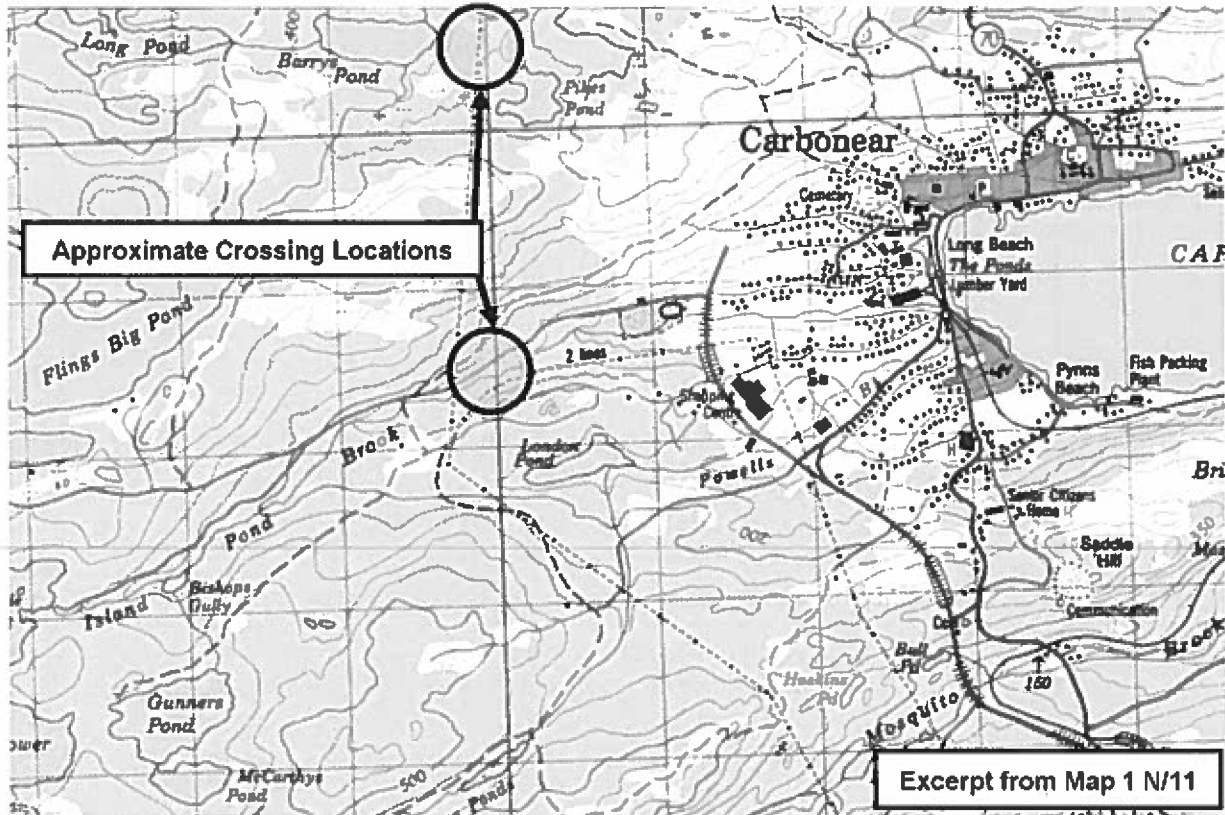
Date: \_\_\_\_\_ Signature: \_\_\_\_\_

This completion report must be completed and forwarded to the following address upon completion of the approved work.

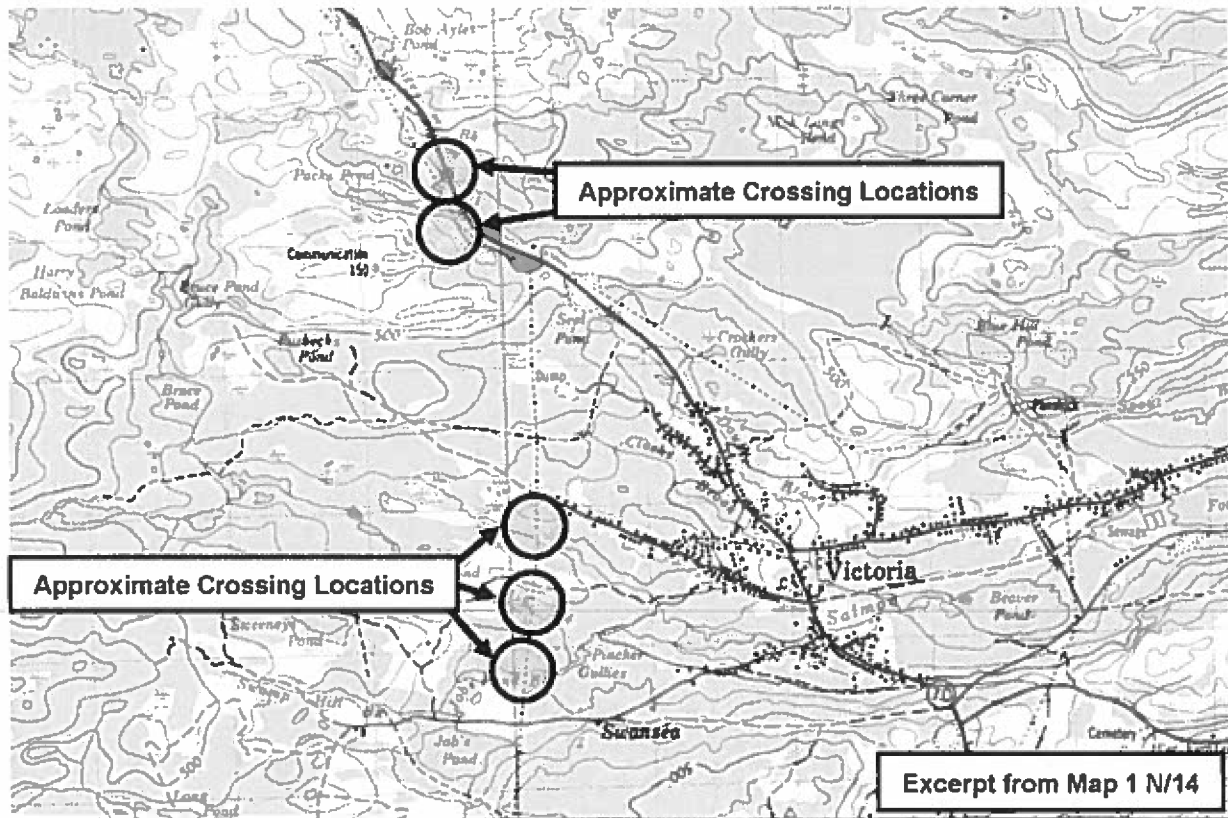
Department of Municipal Affairs and Environment  
Water Resources Management Division  
PO Box 8700  
St. John's NL A1B 4J6



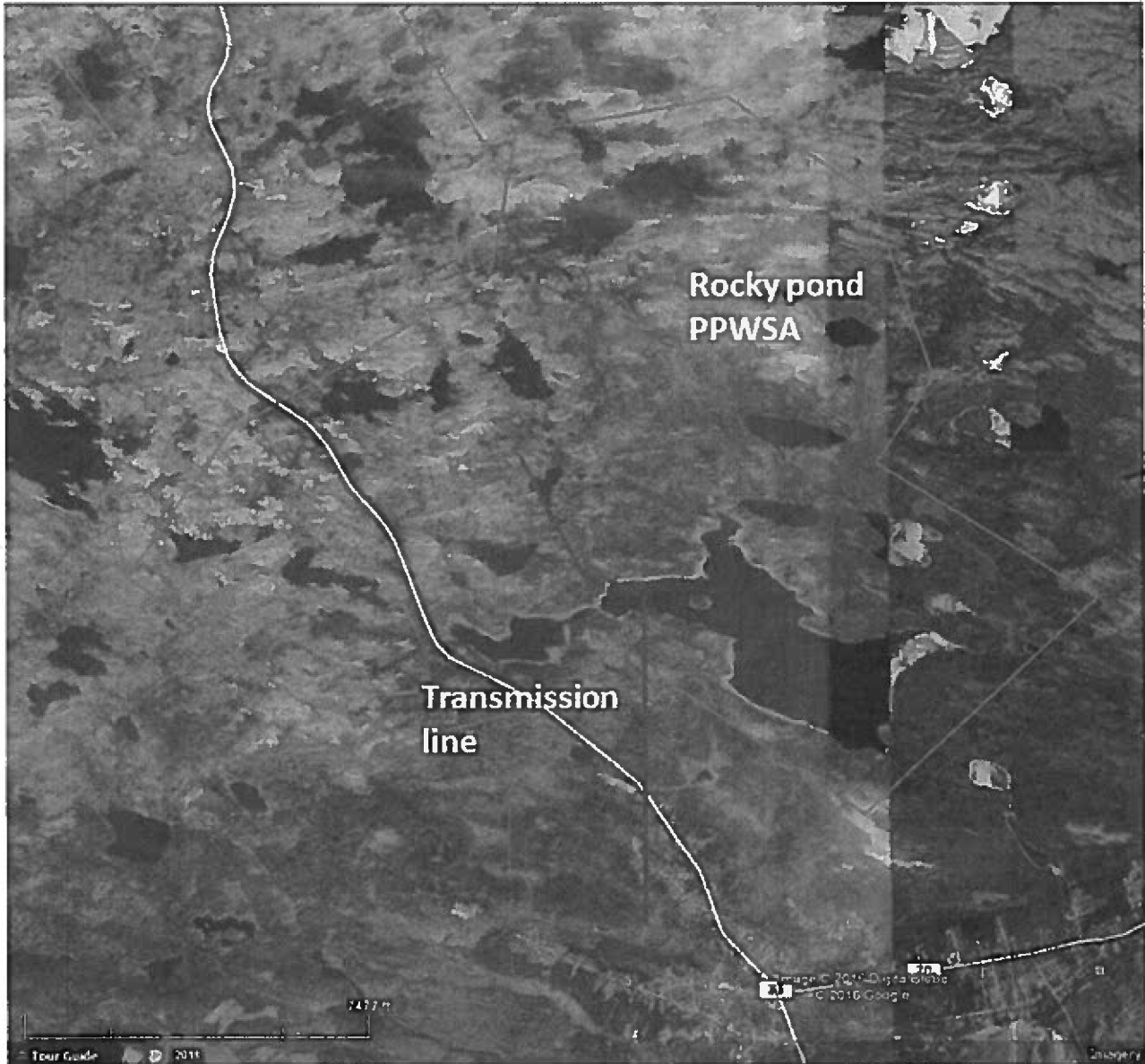
APPENDIX D  
Location Map for Permit



**Second Attached Image File**



**Third Attached Image File**



**Fourth Attached Image File**

