



## Province of British Columbia *Water Act*

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### **FINAL WATER LICENCE**

BC Hydro and Power Authority is hereby authorized to store and use water as follows:

- a) The stream on which the rights are granted is Alouette River, and the reservoir is Alouette Lake reservoir.
- b) The site of the dam, which creates the Alouette Lake reservoir, is PD43852 located as shown on the attached plan.
- c) The date from which this licence shall have precedence is September 9, 1909.
- d) The purpose for which this licence is issued is storage. The storage purpose supports the power purpose at: the Alouette Generating Station, authorized under Final Water Licences 124724 and 124725; the Stave Falls Generating Station, authorized under Conditional Water Licences 117530, 117531 and 117532; and the Ruskin Generating Station, authorized under Conditional Water Licences 117535 and 117533.
- e) Conditions for the storage and use of water are as follows:
  - i) The water may be stored in the reservoir between elevations of 112.60 metres, the minimum operating level for power generation, and 125.51 metres, the full supply level, measured at the dam using Geodetic Survey of Canada (GSC) datum.
  - ii) The volume of water authorized to be stored between the minimum operating level and the full supply level under this licence is estimated to be 198.65 million cubic metres.
  - iii) Surcharging the reservoir above the full supply level, drafting the reservoir to the full supply level, and drafting the reservoir below the minimum operating level shall be done in accordance with the Operation, Maintenance, and Surveillance Manual.

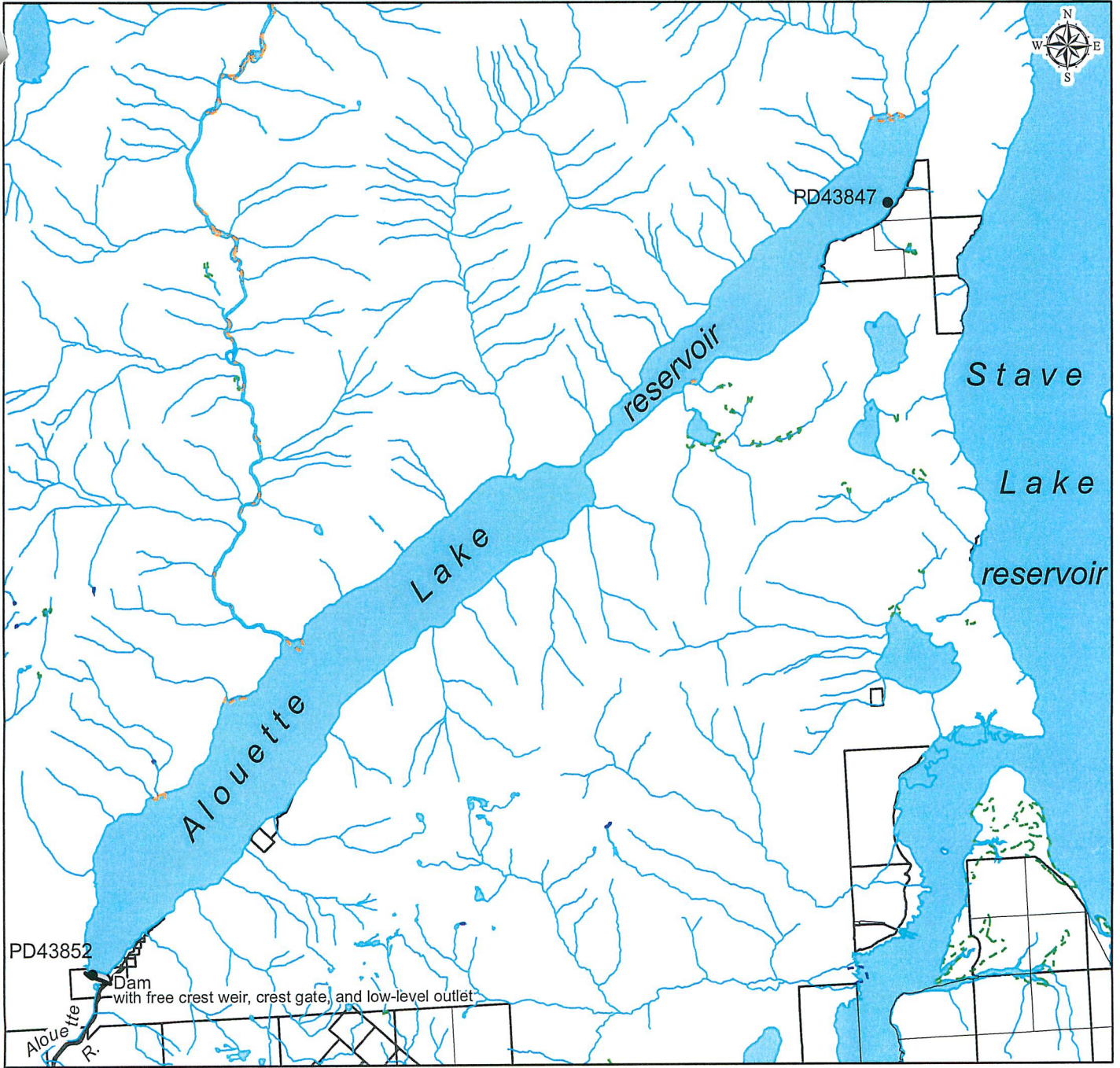
- f) Water may be collected into storage, held in storage, and used throughout the whole year.
- g) This licence is appurtenant to the undertaking as set out in Final Water Licences 124724 and 124725 and Conditional Water Licences 117530, 117531, 117532; 117535 and 117533.
- h) The works authorized are a dam on the Alouette River (PD43852), low level outlet, crest gate and free crest weir which are located as shown on the attached plan and ancillary works for the operation of the dam.
- i) The licensee must operate the works authorized under h) above in accordance with an order of the Comptroller that:
  - i. Sets values for the parameters of: flow releases into Alouette River, reservoir elevations and ramp rates. The values for the parameters are to be based on the Alouette River Water Use Plan dated April 15, 2009 and any amendments to the Plan accepted by the Comptroller.
  - ii. Requires a monitoring programme to evaluate the effect of the regulation of the works as ordered in *i.* above. The monitoring programme is to be based on the Alouette River Water Use Plan dated April 15, 2009 and any amendments to the Plan accepted by the Comptroller.
- j) This licence is issued in substitution of Final Water Licence 7148.



Pieter J. Bekker  
Deputy Comptroller of Water Rights

File: 0045208

Date Issued: *April 20, 2009* Final Licence 124726



WATER DISTRICT: NEW WESTMINSTER  
 PRECINCT: PITT LAKE  
 LAND DISTRICT: NEW WESTMINSTER

Signature: *T. Bell*  
 Date: *April 20, 2009*

LEGEND

Scale: 1:80,000  
 Dam & Point of Re-diversion: ●  
 Map Number: 092G.028  
 Tunnel: -----

F.L. 124726 for F.L. 7148  
 File 0045208

