Assignment Name: Ghost River Diversion Control Structure	**ID#: 19**
Country: Canada **Location within Country:** Alberta	**Approx. value of the contract:** Not available.
Name of Client: TransAlta	**Approx. value of the professional services provided under the contract:** US$ 250,000
Address:	**Total No. of staff-assigned to Project:** 5
Start date (month/year): January 2009	**Total No. of staff-months of the assignment:** 9
Completion date (month/year): October 2011	**Duration of assignment (months):** 22

Narrative description of Project:
Design and construction supervision of the Flow Control Structure in the Diversion Channel connecting the Ghost River to Lake Minnewanke.

Description of actual services provided by professional engineering staff within assignment:
Selection of the preferred design option from previous reports and then oversaw preparation of tender drawings and documents, construction drawings and provide input and guidance in the construction phase (construction supervision managed directly by TransAlta).

Design took into account the culvert sizing which was required to provide a natural limitation to the maximum permissible flow allowed into the diversion channel (by using backwater flooding functions), and then sizing and designing the control berms on the culvert inlet to prevent significant flooding of adjacent lands.

Project location was in a sensitive environmental area and a remote location with enhanced construction implications (for both materials and equipment)

Description of Activities provided by RWI
Project Manager and civil design QA support to the civil and stormwater modelling engineers.