

Project Fact Sheet

BLACK BEAR LAKE *Hydroelectric Project*

Completed:

October 1995

Contact:

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Description:

Whitewater Engineering provided design and construction services to Alaska Power & Telephone for the 4.5 MW hydroelectric project on Prince of Wales Island, near Craig, Alaska. The project generates 23 average annual GWh of renewable energy and is certified by the Low Impact Hydropower Institute.

The project included excavation and road building, concrete placement, installation of 5,000-ft of 30" steel pipe, submerged installation of 700-ft of 36" HDPE pipe, a submerged intake structure, concrete and metal powerhouse, and associated mechanical works. This project has 1500-ft of vertical head. Installation of the upper portion of the penstock and the intake structure was accomplished with a cable system that spanned approximately 4000-ft and over 1100 vertical feet.

