

WATER PUMPING CASE STUDY

Whitewater Beach

**Kettle Moraine State Forest – Southern Unit
Walworth County, Wisconsin
(near Whitewater)**

Contact Person: Larry Krom, Bureau of Facilities and Lands, Wisconsin DNR

Contact Number: 608.588.7231

System Supplier: Currin Corporation

System Installer: DNR personnel

PV System Cost: \$ 3,120 (not including plumbing, enclosure, or installation)

**Installation
Date:** October 1998



System Components:

array	Solarex MSX-64 (2 modules)
controller	Currin PDPS-2/SF93 Submersible Pump System Utilizing a Square D Type FRG-2 Pressure Switch
batteries	None
other	Bobier Electronics, Inc. Linear Current Booster, LCB-7M
loads	SHURflo 9300 Series Submersible Pump



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General Comments:

- ☒ PV system provides energy for water pumping system supplying a wheelchair accessible drinking fountain.
- ☒ Owned and maintained by the Wisconsin Department of Natural Resources.
- ☒ This project received a Federal Grant from the U.S. DOE.
- ☒ This system pumps water into a pressure tank when sunlight is available and does not use batteries.
- ☒ The water system is available seasonally from about May 1 to October 31.
- ☒ Very good correlation between beach utilization and sunny days.
- ☒ No down time since installation.
- ☒ Routine maintenance is performed by DNR personnel.

