

LIHI Questionnaire

- 1) Putnam Hydropower
- 2) Charles Rosenfield, Manager, Putnam Hydropower Inc., 87 Senexet Road, Woodstock, CT 06281 (860) 928-7100
- 3) Quinebaug River, Connecticut
- 4) 575 kW
- 5) 2,750,000 kWh
- 6) FERC License exemption #5645 issued 1982
- 7) Reservoir surface area is approximately 1.5 acre, volume about 4 acre feet
- 8) Approximately 3,000 square feet (~.07 acre)
- 9) Less than 1 acre, but this is not exact because the natural stream bed through the small impoundment is unknown
- 10) .75 acre
- 11)

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U.S. Fish & Wildlife Service
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- 12) This is a small station with negligible storage. The powerhouse is at the western end of the pre-Civil War dam. There is no bypass reach and it is a run of river facility. See map attachment 7 and photo attachment 8.

A. Flows

- 1) NA. The Project FERC license exemption was issued in 1982
- 2) YES. This project is operated as run of river but the minimum flow requirement meets ABF. See Attachment 1, USFWS letter dated 11/14/01

B. Water Quality

- 1b) YES. See 8/29/01 Connecticut D.E.P letter
- 2) YES. Quinebaug River water quality impairment is due to non hydropower upstream flow regulation. See 8/29/01 Connecticut D.E.P letter
- 3) YES. See 8/29/01 Connecticut D.E.P letter. Water quality problems are unrelated to Putnam Hydropower's existence or operations

C. Fish Passage and Protection

There are presently no anadromous fish in Putnam Connecticut and I have never seen and am not aware of historic records of anadromous fish moving through the project area. However, since the Connecticut DEP and US F&WS believe that salmon once did exist in the project area we are assuming for the purposes of this questionnaire that this is

correct. As eels presently exist above and below the project Section C will be answered twice, once for anadromous fish (salmon) and once for catadromous fish (eels)

Section C Salmon Answers

- 1) NA. The Project FERC license exemption was issued in 1982
- 2) YES. The agencies believe salmon once existed in the project area. (although "historic records" do not exist.)
- 2a) YES. This Project, or predecessor hydropower operations, did not in whole or in part contribute to the loss of salmon in the river. The first dam at this location was built circa 1830. Other dams downstream and water quality issues related to industrialization would not have allowed any migratory fish in the watershed to get to the base of the dam when it was built.
- 2b) YES. The Project's FERC license exemption requires fish passage construction when the state implements a plan. See 5/18/82 letter attached to 11/14/01 USF&WS letter
- 3) Skip to C5
- 4) Skip to C5
- 5) NA No mandatory fish passage prescription has been issued.
- 6) NA No Resource Agency recommendation has been issued.

Section C Eel Answers

- 1) NA
- 2) NO. Eels presently exist above and below the project dam
- 2a) Skip to C3
- 2b) Skip to C3
- 3)NO. Resource agencies have had the opportunity to issue fish passage prescription since 1982 but have declined to do so. It is expected to be 25 years before eel passage is needed because present numbers are considered low and several dams downstream need to be addressed first. See 8/29/01 CT DEP letter.
- 4) Skip to C5
- 5) NA. No Fish Passage Prescription has been issued
- 6) NA. No Resource Agency recommendation has been issued

D. Watershed Protection

- 1) NA. There are no Agency recommendations or license exemption conditions regarding inundated land or regarding any other watershed issues.

E. Threatened and Endangered Species Protection

- 1) NO. There are no T&E species present in the Facility area or downstream reach. See Connecticut DEP letter dated 7/31/01

F. Cultural Resource Protection

- 1) YES. There are no cultural resource protection requirements for this project.

G. Recreation

- 1) YES. The Project is in full compliance with all FERC requirements including environmental ones. See Attachment 10, 5/3/01 letter from the FERC
- 2) Skip to G3
- 3) YES. There is some urban angling in the project area and access is allowed, without fee, as safety permits.

H. Facilities Recommended for Removal

- 1) NO. The project dam has not been recommended for removal.