

**INSPECTIONS OF FISH
PASSAGE FACILITIES AT FERC
PROJECTS IN THE
NORTHEAST**

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**States include: Maine, New Hampshire,
Vermont, Massachusetts, Connecticut, Rhode
Island, New York, New Jersey, Pennsylvania,
Maryland and West Virginia**

INSPECTION ITEMS OF CONCERN

- Debris
- Vandalism
- Facilities in operation when required
- Facilities in conformance with plans
- Function
- Damage – bent racks or overlays, broken boards in ladders, leaks
- Evaluation – discuss problems
- Enhancements/study results

DOWNSTREAM FACILITIES

- Angled bar racks with narrow spacing
- Trashrack screens and overlays
- Weir boxes/galleries
- Flashboard/gate openings
- Tailrace discharge pipes/chutes
- Plunge pools
- Canal louvers
- Acoustic deflection

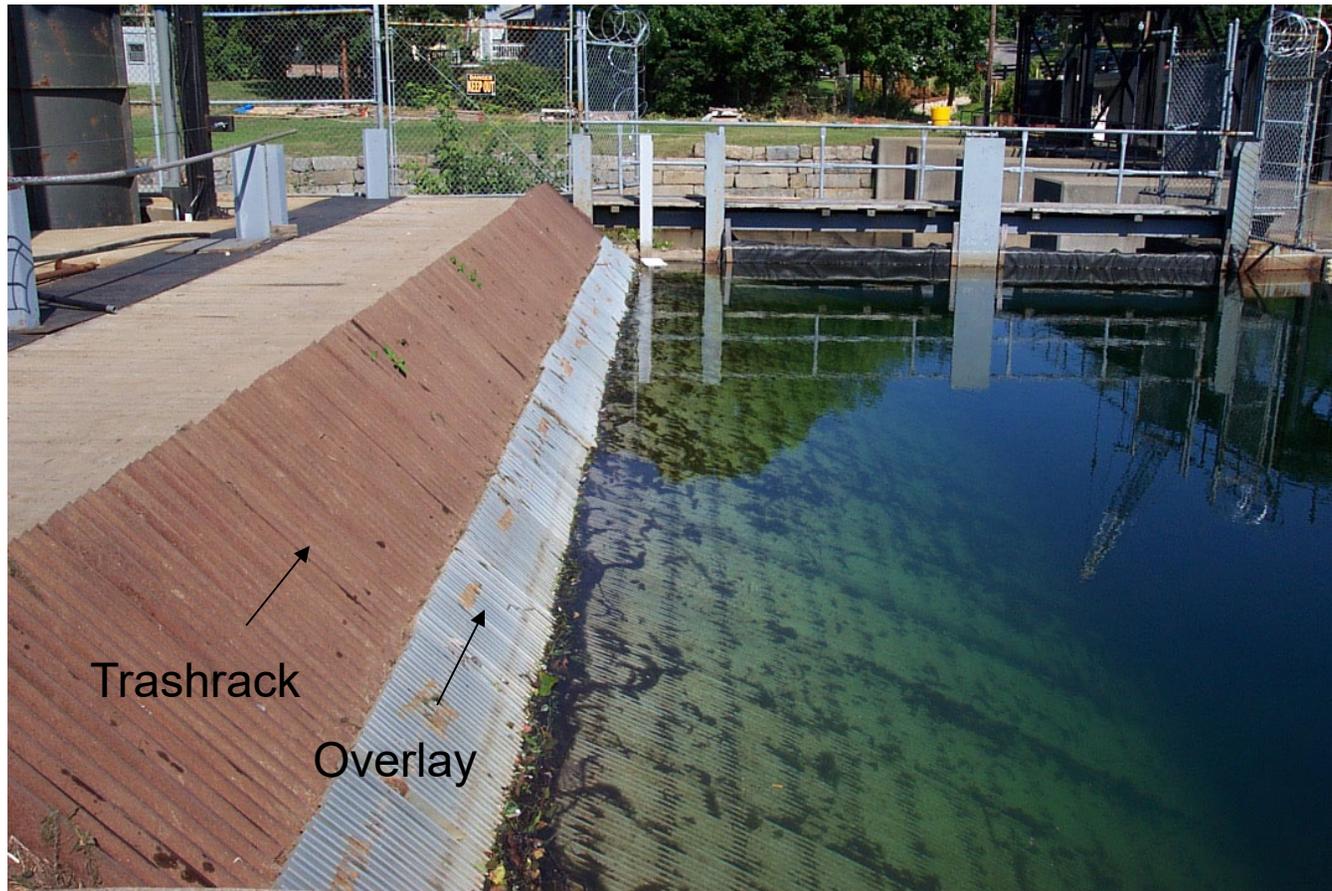
Angled bar rack and gallery entrance at Kinneytown, 6985-CT on the Naugatuck River.



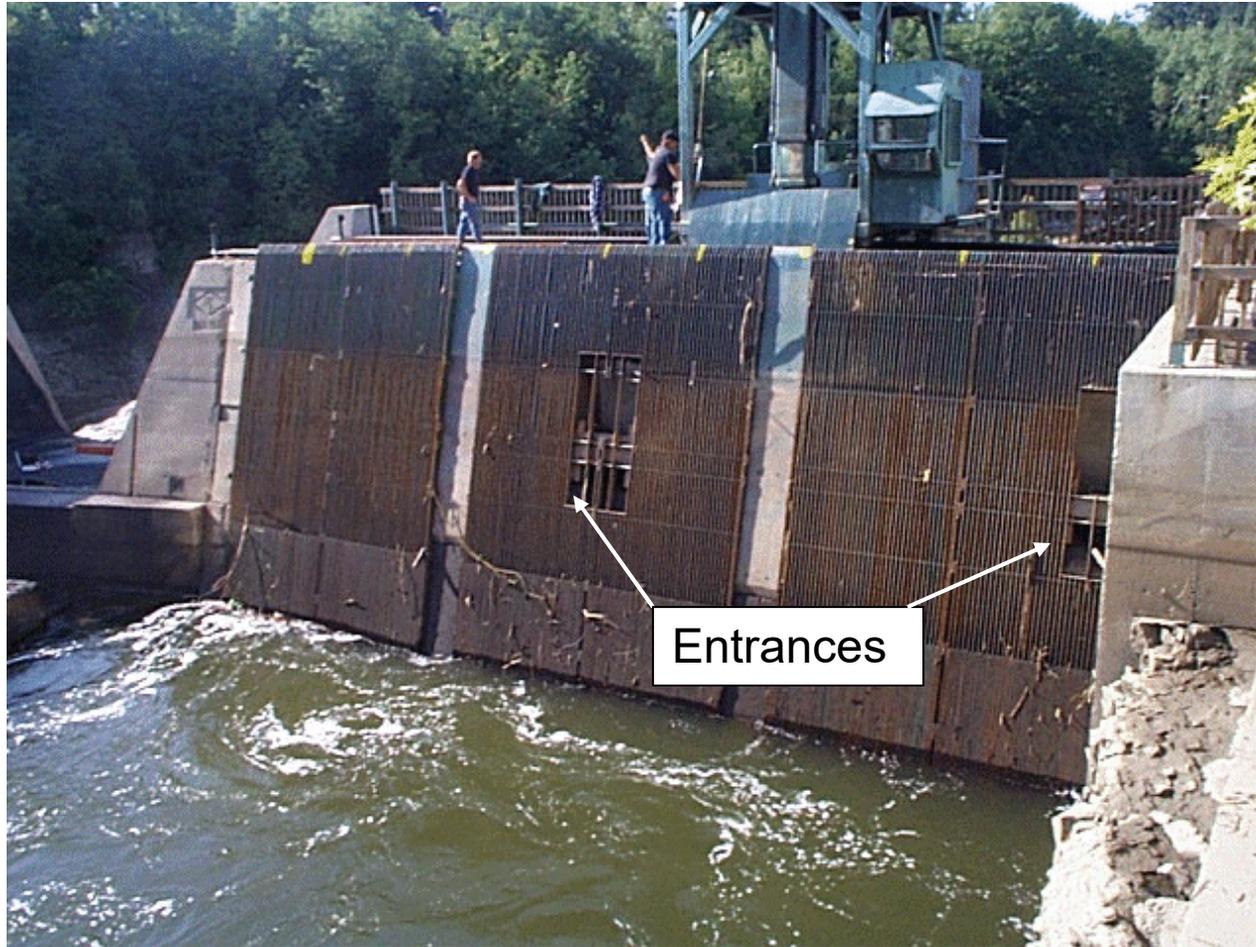
Angled bar rack and entrance weir at South Berwick, 11163-ME on the Salmon Falls River.



Trashrack overlay at the Lakeport project, 6440-NH on the Winnepesaukee River.



Trashrack overlay and gallery entrances at Chace Mill, 2756-VT on the Winooski River.



Lighted entrance weir at the Pejepscot project, 4784-ME on the Androscoggin River.



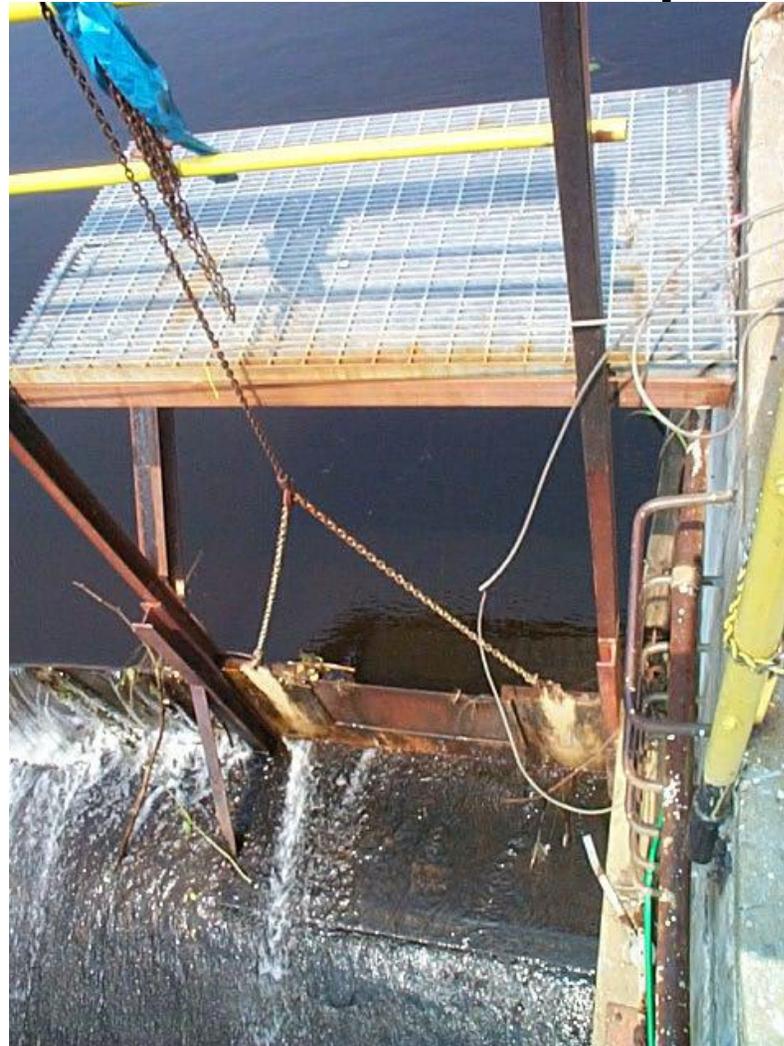
Angled rack with discharge chute at Gardners Falls, 2334-MA on the Deerfield River.



Louver system in power canal, looking upstream, at Holyoke project, 2004-MA.



Removable flashboard section for fish passage at the Kelleys Falls project, 3025-NH on the Piscataquog River.



Discharge pipe at the Watertown project, 2442-NY on the Black River.



Bypass weir with video feed at the Medway project, 2666-ME, on the W. Branch of the Penobscot River.



Plunge pool and weir at the Essex No. 19 project, 2513-VT on the Winooski River.



Plunge pool at base of American Tissue dam, 2809-ME on the Cobbosseecontee River



Acoustic deflection measures at the intake to the Crescent project, 4678-NY on the Mohawk River.



UPSTREAM FACILITIES

- Vertical slot ladder/Ice Harbor
- Denil ladder
- Elevator
- Trap and Truck
- Steeppass ladder
- Other – screens/weirs
- Pool and weir/locks

Ice Harbor ladder at the Cabot powerhouse at the Turner Falls project, 1889-MA on the Connecticut River.



Ice Harbor ladder at the spillway of the Lowell project, 2790-MA, on the Merrimack River.



Ladder at the Glen Park project, 4796-NY on the Black River.



Older Denil ladder at the Great Works Project, 2312-ME on the Penobscot River.



Denil ladder at the South Berwick project, 11163-ME on the Salmon Falls River.



Alaskan Steeppass ladder at midpoint of main dam at the Milford project, 2534-ME on the Penobscot River.



Upstream elevator facility at the Cataract Project, east channel, 2528- ME on the Saco River.



Eel passage facility at the Greenville project, 2441-CT on the Shetucket River.



Elevator lifting bucket in progress at the Lawrence Project, 2800-MA on the Merrimack River.



Elevator discharge into holding pool at the Skelton Project ,2527-ME, on the Saco River.



Trap and truck operation at the Brunswick project, 2284-ME on the Androscoggin River.



Transport truck parks here

Tailrace screen at the West Springfield project, 2608-MA on the Westfield River.



Diversion net at the tailrace of the upper reservoir at the Northfield Mountain PS project, 2485-MA on the Connecticut River.



Viewing window at the Holyoke Project, 2004-MA.



Removal of Edwards project, 2389- ME on the Kennebec River.

