

Don't Forget the Fish on the Bottom: Fish Entrainment Reduction Structure (FERS)

Jenna Rackovan, Steve Amaral, Greg Allen, Jake LaFontaine, and Brian McMahon

- The FERS is designed to guide and exclude bottom-oriented fish, such as eel, sturgeon, catfishes, suckers, and flounders from water intakes.
- The structure consists of precast concrete panels that can easily be installed either at an angle to the intake (as a guidance structure) or parallel (as an exclusion barrier structure).
- Fish in the lower part of the water column would encounter the FERS and swim along it on the upstream or downstream side until they are safely past the intake or reach a bypass.

