



FACILITY	IMPLEMENT DOWNSTREAM PASSAGE*	IMPLEMENT UPSTREAM PASSAGE	COMPLETE MINIMUM FLOW REVIEW	TARGET SPECIES	PROPOSED ENHANCEMENTS**
LAKEPORT	2014	REVIEW IN 2020	Adequate Flows Exist	AMERICAN EEL	3/4-inch rack overlays w/eel collection box & discharge pipe to plunge pool. Consult w/FWS on permanent racks.
				RIVER HERRING	None Needed.
LOCHMERE	2015	REVIEW IN 2020	2014	AMERICAN EEL	3/4-inch exclusionary trashracks at the canal headworks with open sluice gate at dam and plunge pool.
				RIVER HERRING	3/4-inch rack and bypass structure for eels. Additional angled floating diversion boom ~ 3 foot skirt.
					Secondary intake trashrack and diversion box and pipe to tailrace. Existing facility to be modified.
				BYPASS FLOWS	Perform study of habitat and river needs for bypass reach by December 1, 2014.
CLEMENT	2015	REVIEW IN 2020	2015	AMERICAN EEL	Exclusionary trashracks at headworks (ECREM will evaluate 3/4-inch rack spacing), bypass sluice and plunge pool.
				RIVER HERRING	Exclusionary trashracks at dam headworks (ECREM will evaluate 3/4-inch rack spacing), an angled floating diversion boom ~ 3 foot skirt, bypass sluice and plunge pool.
RIVERBEND	2015	REVIEW IN 2020	2015	AMERICAN EEL	Evaluate required trashrack length for hydro operations. 3/4-inch exclusionary trashrack overlays or angled racks.
					Modify trashgate at dam, set flow requirement and provide plunge pool as needed.
				RIVER HERRING	3/4-inch exclusionary or angled racks. Modify trashgate at dam & set flow requirement. Plunge Pool as needed.
STEVENS MILLS	2015	REVIEW IN 2020	2014	AMERICAN EEL	3/4-inch exclusionary trashracks.
				RIVER HERRING	3/4-inch exclusionary trashracks. Angled surface diversion boom.
PEMBROKE	See Detail	REVIEW IN 2020	2014	RIVER HERRING	2014 - operate sluice gate at trashracks during outmigration in consult with FWS and NHFGD & review bypass gate, intake velocities & trashracks for permanent passage measure. Modifications to facilities as needed by September 1, 2015.
				AMERICAN EEL	Eel downstream passage measures within 48 months of notification by NHFGD and/or USFWS.
				BYPASS FLOWS	Perform study of habitat and river needs for bypass reach by December 1, 2014.
GREGG'S FALLS	See Detail	REVIEW IN 2020	2014	RIVER HERRING	Discontinue use of salmon smolt downstream fishway.
				AMERICAN EEL	Eel Downstream Passage measures within 48 months of notification by NHFGD and/or USFWS.
					Continue Instantaneous Run of River Operations. Set allowable water level fluctuations.
				BYPASS FLOWS	Minimum flows from dam not likely needed. Verify adequacy of flows below dam in 2014.
MINES FALLS	2015	2015	2014	RIVER HERRING	Provide downstream diversion boom either at the canal headworks or at the intake. Provide a plunge pool for downrunning fish if released out of trash sluice. Move or eliminate downstream pipe.
					Fish lift drawings to USFWS by 11-1-14. Construction target April 1, 2015, but no later than September 1, 2015.
	2016			AMERICAN EEL	Downstream eel passage measures will be needed. Review eel downstream passage alternatives with Agencies in 2014.

* Interim eel passage measures for Lakeport, Lochmere, River Bend and Stevens Mills will consist of nighttime shutdowns from dusk to dawn (or as agreed upon with the USFWS) for three consecutive days after rain event or after increased flows during the eel migration period (August 15 through November 15).

** Identified structural passage measures for eels may be replaced by operational shutdowns after analysis of information. All fish passage facilities and other measures to be designed in consultation with and be approved by the USFWS. Operational shutdowns will be evaluated based on the following criteria: Species, Time of Year, Economics, Weather Conditions.