

EQUIPMENT	PARTS	Spare Inventory/comments	Who	Downtime/cost
East fishway exit weirs	154-159 weirs	No / need replace or rehab, UFR list	TDS	months
Necessary to maintain east ladder flow	154-159 motors	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	154-159 gearbox	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	154-159 wire	Yes / need more	TDS	days
	Electrical	Yes / FCQ replacement and backup power planned	TDE	days
	Automation	Yes	TDE	days
East fishway count station	Window brush/motor	Yes / can clean by hand	TDM	weeks
Can still pass fish if failure	Crowder/motor	No / new installed and not critical	TDM	weeks
	Crowder lights	Yes / easy repair	TDE	hours
	Electrical	Yes / easy repair	TDE	days
East fishway entrance weirs	E1,E2,E3 weirs	Yes / W3 serves as spare. Some plastic wheel spares	TDS	days
Can still pass fish if failure	E1,E2,E3 motors	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	E1,E2,E3 gearbox	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	E1,E2,E3 wire	Yes / need more	TDS	days
	E1,E2,E3 electrical	Yes	TDE	days
	E1,E2,E3 lift beam	Yes / W3 serves as spare	TDS	days
	E1,E2,E3 automation	Yes	TDE	hours
	W1,W2,W3 weirs	Yes / W3 serves as spare. Testing plastic wheels on W1 with some spares	TDS	days
	W1,W2,W3 motors	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	W1,W2,W3 gearbox	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	W1,W2,W3 wire	Yes, need more	TDS	days
	W1,W2,W3 electrical	Yes	TDE	days
	W1,W2,W3 lift beam	Yes / W3 serves as spare	TDS	days
	W1,W2,W3 automation	Yes	TDE	hours
	S1,S2 weirs	Yes / spare S ent deck	TDS	days
	S1,S2 motors	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	S1,S2 gearbox	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	S1,S2 wire	Yes / need more	TDS	days
	S1,S2 electrical	Yes	TDE	days
	S1,S2 lift beam	Yes / N entrance deck	TDS	days
	S1,S2 automation	Yes	TDE	hours
East fishway AWS	Diffuser grating/hardware	Yes / East new installed with some leftovers. Only during outage	TDS	days
Grating upgrade underway. Valves unnecessary	Diffuser valves	Yes / 1 in boneyard and unused ones in collection channel. Only during outage	TDM	weeks
	Diffuser valve drive	Yes / many unused in collection channel	TDM	days
North fishway exit	Diffuser valve	No / only during outage	TDM	weeks
Necessary to maintain east ladder flow	Diffuser valve drive	No	TDM	weeks
	Diffuser grating/hardware	Yes / new 2001 with some east fishway leftovers. Only during outage	TDS	days
North exit trash rake	Mechanical parts	No / need hydraulic lines	TDM	days
Can rake with mobile crane	Electrical parts	Yes	TDE	days
North fishway count station	Window brush/motor	Yes	TDM	weeks
Can still pass fish if failure	Crowder/motor	No / new installed and not critical	TDM	weeks
	Crowder lights	Yes, easy repair	TDE	hours
	Electrical	Yes	TDE	days
North fishway entrance weirs	N1,N2 motors	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
Can still pass fish if failure	N1,N2 gearboxes	Yes / 1 from boneyard TDM to overhaul	TDM	weeks
	N1,N2 wire	Yes, need more	TDS	days
	N1,N2 electrical	Yes	TDE	days
	N1,N2 lift beam	Yes / on N Entrance deck	TDS	days
	N1,N2 automation (PUD)	Yes / PUD provides OM on automation	TDE	hours
North fishway AWS	Diffuser grating/hardware	Yes / replaced 2001, east leftovers compatible. Only during outage	TDS	days
Grating relatively new. Valve not used	Diffuser valves	Yes / 1 in boneyard and unused ones in collection channel. Only during outage	TDM	weeks
	Diffuser valve drive	Yes / many unused in collection channel	TDM	days
	PUD tainter gate mech	No / PUD replaced wire rope, turnbuckles and seals ~3yrs. Need motor,brakes,seals	TDM	weeks
	PUD tainter gate elec	Yes	TDE	days
Fish Units	Mechanical parts	Yes / Turb gd brg, 8 thrst brg shoe and runner, half shell lock ring, wick gate assbly	TDM	varies
Not fish \$. Necessary for ~80% adult passage	Electrical parts	Yes / F1 new digital governor. F2 Dec 2013.	TDE	varies
	Bulkheads	Yes / Under rehab	TDS	months
Ice Trash Sluiceway	Hoist gate cables	Yes / need more	TDS	days
Not fish \$. Used for ~10% juvenile passage	Hoist gate gearbox	Yes / 1 unused hoist at unit 18.	TDM	weeks
	Hoist gate lift beams	Yes / new on deck	TDS	days
	Chain gates	No, need replaced	TDS	weeks
Spillway	Gates	Yes / 23 gates with bays 1-8 priority	Eng	months
Not fish \$. Used for ~80% juvenile passage	Wire	Yes / bays 1-8 new and highest priority	TDS	months
	Motor	Yes / 23 gates/1-8 priority	TDM	months
	Gearbox	Yes/ 23 gates/1-8 priority	TDM	months

Gray = not fish funding, but fish related

Red = high priority

yellow = medium priority

green = low priority