

## Mattapoissett River

Mattapoissett, Rochester

Stream Length (mi)	Stream Order	pH	Anadromous Species Present
11.1	Fifth	6.0	Alewife, blueback, smelt

### Obstruction # 1

Route 6 Crossing

Mattapoissett

River Mile	Type	Material	Spillway W (ft)	Spillway H (ft)	Impoundment Acreage	Year Built	Owner	GPS
0.7	Dam	Concrete with metal spillway gates	19.0	7.0	2.5	-	Town of Mattapoissett	41° 39' 25.533" N 70° 50' 03.390" W



Dam at Route 6 Crossing

### Fishway

Present

Design	Material	Length (ft)	Inside W (ft)	Outside W (ft)	# of Baffles	Baffle H (ft)	Notch W (ft)	Pool L (ft)	Condition/Function
Denil	Concrete with wooden baffles	58.0	3.0	5.0	16	8.6	-	-	Excellent Passable



Ladder at Route 6 Crossing

**Obstruction # 2**

Rounseville Road Crossing

Rochester

River Mile	Type	Material	Spillway W (ft)	Spillway H (ft)	Impoundment Acreage	Year Built	Owner	GPS
8.7	Dam	Stone with wooden boards	11.0	4.0	0.0	-	-	41° 44' 10.582" N 70° 51' 45.888" W



Dam at Rounseville Road Crossing

**Fishway** None

**Obstruction # 3**

Rochester Fish Hatchery

Rochester

River Mile	Type	Material	Spillway W (ft)	Spillway H (ft)	Impoundment Acreage	Year Built	Owner	GPS
9.7	Dam	Concrete with wooden boards	7.0	5.6	31.8	-	MA Department of Fish & Wildlife	41° 44' 53.016" N 70° 51' 49.382" W



Rochester Fish Hatchery Dam

**Fishway** Present

Design	Material	Length (ft)	Inside W (ft)	Outside W (ft)	# of Baffles	Baffle H (ft)	Notch W (ft)	Pool L (ft)	Condition/Function
Stream baffle	Stone	1790	10	10	15	Varied (0.5-1)	-	Varied (10-50)	Good Passable



Stream Baffles at Rochester Fish Hatchery

**Obstruction # 4**

Snipatuit Pond Outlet

Rochester

River Mile	Type	Material	Spillway W (ft)	Spillway H (ft)	Impoundment Acreage	Year Built	Owner	GPS
11.1	Dam control structure	Concrete with wooden boards	4.0	2.4	710.0	1986	Private	41° 45' 45.877" N 70° 52' 09.022" W



Snipatuit Pond Dam and Ladder

**Fishway** Present

Design	Material	Length (ft)	Inside W (ft)	Outside W (ft)	# of Baffles	Baffle H (ft)	Notch W (ft)	Pool L (ft)	Condition/Function
Weir-pool	Concrete with wooden baffles	44.0	4.0	5.3	6	Varied (2.4)	-	8.0	Excellent Passable

**Remarks:**

The dam and fishway at the first impoundment on the Mattapoissett River at Route 6 were both replaced in 1996. The new fishway is a Denil design which provides optimal passage around this obstruction. Water levels in the impoundment are controlled by the Fairhaven Water Department and must continue to be regulated with fish passage in mind.

The second obstruction is a concrete flume with wooden stoplogs at Route 105 (Rounseville Road). These boards are reportedly removed annually with the arrival of the herring. Another obstruction occurs at a fish hatchery owned by the Massachusetts Division of Fisheries and Wildlife. Fish avoid this dam by means of a bypass channel with stone stream baffles to overcome the elevation change. A third dam, at the outlet of 710 acre Snipatuit Pond, is surmounted by a concrete and wood weir-pool ladder incorporated into the dam structure.

This fishery is controlled by a Tri-Town Herring Committee representing the towns of Mattapoissett, Marion and Rochester. In addition, a citizens group called Alewives Anonymous has assisted in the maintenance of this run. This organization has also installed an electronic fish counter at the outlet of Snipatuit Pond which has been in place for 14 years. A second counter has been added to the exit end of the first fishway. Estimates based on these counts have ranged from 40,000 to 130,000 fish annually.