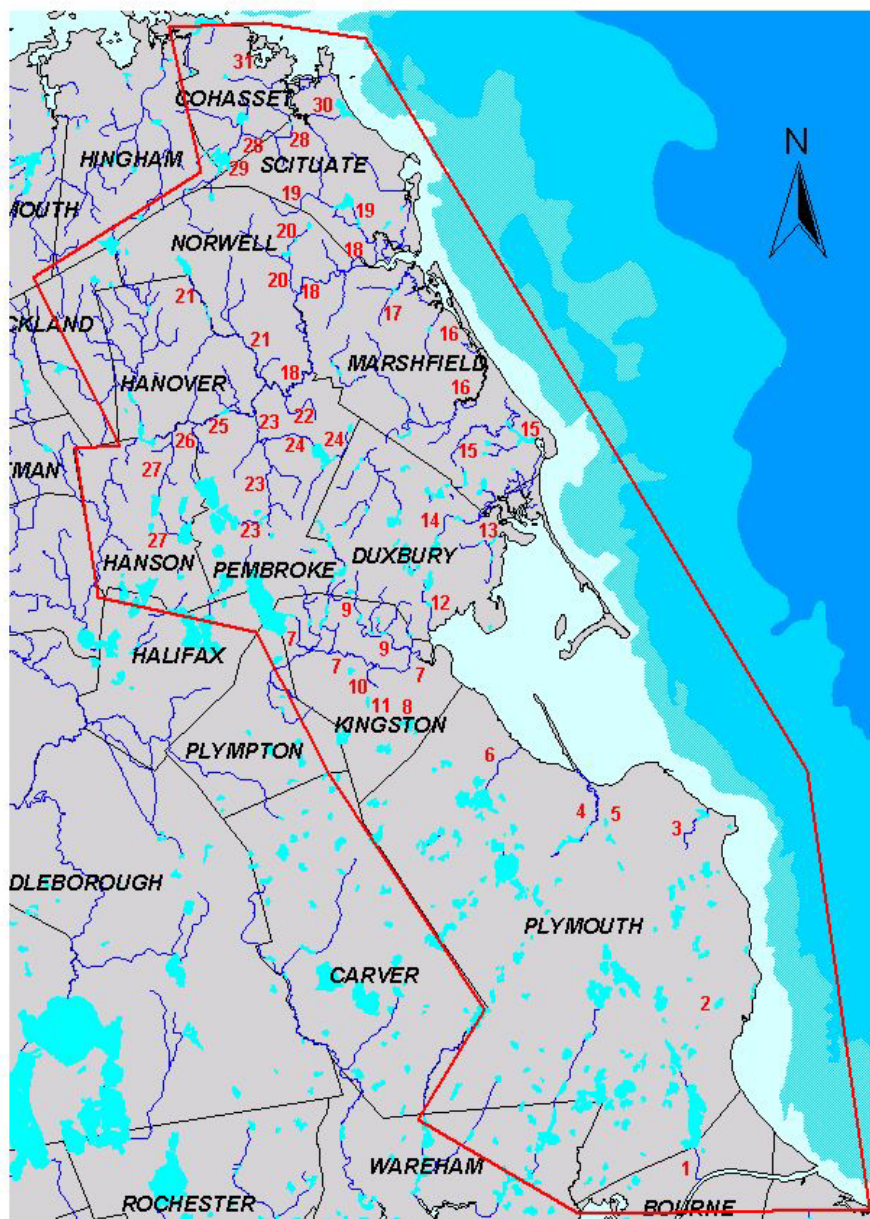


SOUTH SHORE WATERSHEDS



Area outlined in red represents the towns included in the South Shore Watersheds report.

Stream Names:

- | | | | |
|------------------------------|-------------------------|----------------------------------|----------------------------|
| 1 - Herring (Monument) River | 8 - Smelt Pond | 16 - South River | 24 - Pudding Brook |
| 2 - Savery Pond | 9 - Halls Brook | 17 - Macombers Creek/Bares Brook | 25 - Indian Head River |
| 3 - Beaver Dam Brook | 10 - Furnace Brook | 18 - North River | 26 - Rocky Run |
| 4 - Eel River | 11 - Russells Pond | 19 - First Herring Brook | 27 - Indian Head Brook |
| 5 - Howland Pond | 12 - Island Creek | 20 - Second Herring Brook | 28 - Bound Brook |
| 6 - Town Brook | 13 - Bluefish River | 21 - Third Herring Brook | 29 - Aaron River Reservoir |
| 7 - Jones River | 14 - West Brook | 22 - Robinson Creek | 30 - Musquashcut Brook |
| | 15 - Green Harbor River | 23 - Herring Brook | 31 - Little Harbor |

South Shore Watersheds

Monument (Herring) River Bourne, Plymouth

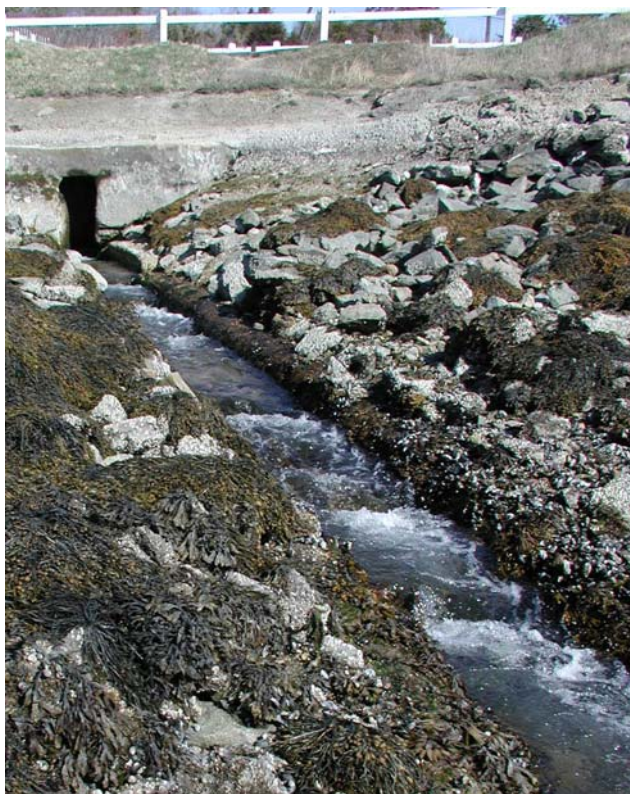
| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|--------------------------------|
| 3.7 | First | 7.1 | Alewife, blueback, white perch |

Obstruction # 1

Canal culvert

Bourne

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|---------|----------|-----------------|-----------------|---------------------|------------|------------------------------|--|
| 0.0 | Culvert | Concrete | 2.0 | 5.0 | 0.0 | 1938 | U.S. Army Corps of Engineers | 41° 16' 17.684" N 70° 33' 47.899" W |



Cape Cod Canal culvert at low tide

Fishway Present (in 4 sections)

| 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 | 114.2 | Varied (2.4, 3.4) | Varied (2.4, 3.4) | 6 | Varied (0.7) | - | Varied (0.7) | Fair Inefficient passage |

Fishway, continued

| 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 | 45.0 | 2.5 | 3.3 | 8 | 1.5 | | Avg. 6.2 | Fair Inefficient passage |



Lower section of fishway to Herring Run Motel Pool

| | | | | | | | | | |
|----------------------|--|-------|-----|----|---|-----|------|------|------------------|
| Notched weir-pool | Concrete with metal slots and wooden baffles | 364.0 | 8.1 | 10 | 7 | 1.4 | ~2.5 | 59.5 | Fair Passable |
|----------------------|--|-------|-----|----|---|-----|------|------|------------------|



Long section of fishway

Fishway, continued

| Design (ft) | Material W (ft) | Length W (ft) | Inside Baffles | Outside H (ft) | # of W (ft) | Baffle L (ft) | Notch Function | Pool | Condition/ |
|----------------------|----------------------|------------------|-------------------|-------------------|----------------|------------------|----------------------|-------------------|------------------|
| Notched weir-pool | Concrete and wood | 171.0 | 4.0 | 6.3 | 8 | 1.0 | Varied (3.4, 4.6) | Varied ~(9-10) | Poor Passable |



End of fishway and pool at Herring Run Motel

Obstruction # 2

Benoit's Pond Dam

Bourne

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 0.2 | Dam | Concrete with wooden boards | 8.8 | 5.7 | 4.9 | 1943 | - | 41° 46' 23.719" N 70° 33' 43.666" W |



Benoit's Pond Dam (with 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 and wood | 82.6 | 4.1 | 5.6 | 9 | 4.0 | - | 10.0 | Good Passable |

Obstruction # 3

Beal's Pond Dam

Bourne

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|--------------------|-----------------|-----------------|---------------------|------------|----------------|--|
| 0.5 | Dam | Concrete and stone | 9.5 | 5.7 | 2.6 | - | Town of Bourne | 41° 46' 34.525" N 70° 33' 45.369" W |



Beal's Pond 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 |
|-------------------|--------------------------|-------------|---------------|----------------|--------------|------------------|--------------|--------------------|--------------------------|
| Notched weir-pool | Stone, concrete and wood | 357.0 | 8.0 | 14.0 | 18 | Varied (1.3-2.4) | Varied. ~1-3 | Varied (20.0-41.3) | Poor Inefficient passage |



Fishway at Beal's Pond Dam

Remarks:

This system supports one of the Commonwealth's most productive river herring populations. The stream flows from Great Herring Pond (413 acres) and Little Herring Pond (80.7 acres), forms a small impoundment at Benoits Pond (4.9 acres) and empties into the Cape Cod Canal. DMF has monitored this run for 20 years using electronic and visual counts to estimate population size, which has ranged from 91,000 fish in 1980 to 672,000 in 2000. Because of its size and accessibility, this population is the primary source of mature adult alewives for DMF's stocking program.

The first obstruction on the stream is actually the Cape Cod Canal and the elevation change it caused when the canal's construction intercepted the stream's natural channel. This is overcome by a series of weir-pool and notched weir-pool fishways which are integrated within the stream's artificial channel. The fishway structures have begun to show some deterioration and this in combination with the difficulties caused by the tidal fluctuations in the canal causes less than efficient fish passage through this section.

The second obstruction, a dam at Benoits Pond, is surmounted by a relatively efficient weir-pool ladder. A third ladder at the Carter-Beale Conservation Area passes fish adequately but a millrace provides competing attraction flow and needs to be fitted with a barrier dam to prevent fish from moving into this dead end channel. From this point fish are free to enter the headwater ponds although stop logs are occasionally inserted at their outlets to control pond levels and need to be checked frequently during the migration periods.

A unique feature of this herring run is its proximity to an extremely active striped bass sport fishery in the Cape Cod Canal. The migrating herring attract concentrations of large striped bass to the stream's outlet, which in turn attracts large numbers of fishermen. The pressure placed on this resource as a bait source has caused a number of difficult problems for the Town of Bourne, which manages the fishery through Section 94 of Chapter 130 of the General Laws. DMF has worked with the town to develop a management plan that adequately protects the river herring population while allowing reasonable utilization of this population by the public. While not without its drawbacks, this plan seems to be functioning to the satisfaction of most parties.

Savery Pond

Plymouth (Ellisville)

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 0.9 | First | 5.9 | Unknown |

Obstruction # 1 Old Control Structure at top of Salt Pond Plymouth (Ellisville)

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Acres | Year Built | Owner | GPS |
|------------|------------------|----------|-----------------|-----------------|-------|------------|-------|--|
| 0.5 | Elevation change | Concrete | - | ~2.2 | 0.1 | - | - | 41° 50' 38.526" N 70° 32' 26.734" W |



Old control structure at head of Salt Pond

Fishway None

Obstruction # 2**Savery Pond Dam****Plymouth (Ellisville)**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|-----------------------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 0.9 | Dam | Concrete with wooden boards | 2.5 | 0.9 | 32.0 | - | - | 41° 50' 48.345" N 70° 32' 51.160" W |



Savery Pond control structure

Fishway None**Remarks:**

The stream which flows from this 32 acre pond is obstructed by two cranberry bog structures which are controlled by stop logs. The greatest impediment to passage at this site is the lack of flow from the headwater pond.

Indian Brook

Plymouth

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 1.0 | First | 6.0 | Unknown |

Obstruction # 1

Indian Brook Pond Dam

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|-----------|--|
| 0.5 | Dam | Wood | 13.7 | 8.0 | 8.1 | 1930 | Mass.-DPW | 41° 53' 13.509" N 70° 32' 14.261" W |



Indian Brook Reservoir Dam

Fishway None**Remarks:**

This small stream has little potential for anadromous fish development due to the passage difficulties that would be encountered at the mouth and the fact that numerous cranberry bogs would have to be negotiated before any significant habitat was reached.

Beaver Dam Brook

Plymouth

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 2.6 | First | 6.0 | Unknown |



Outlet of Bartlett Pond into Cape Cod Bay

Obstruction # 1

Bog reservoir sluice

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------------|------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 1.8 | Bog sluice | Corrugated metal | 4.4 | 9.0 | 0.0 | - | - | 41° 54' 58.869" N 70° 34' 11.974" W |



Bog sluice on Beaver Dam Brook

Fishway None**Remarks:**

Beaver Dam Brook drains two headwater ponds with a combined area of 91 acres. Just before entering Cape Cod Bay the stream forms a low salinity body of water called Bartlett Pond. The outlet at the beach is passable and river herring have an opportunity to spawn in this 62 acre pond. Further development is questionable due to the need to insure passage through an extensive bog system in order to reach additional habitat.

Eel River

Plymouth

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|---|
| 3.9 | Third | 6.9 | Alewife, blueback, smelt, tout, lamprey, tomcod |

Obstruction # 1

Hayden Mill Pond Control

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|--|-----------------|-----------------|---------------------|------------|-------------------|--|
| 2.2 | Dam | Corrugated metal pipe with wooden boards | 4 | 13 | 20.5 | 1900 | Hayden Mill Trust | 41° 55' 26.832" N 70° 37' 17.105" W |



Hayden Mill Pond spillway

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 | 126.0 | 3.0 | 4.6 | 39 | 1.3 | - | - | Good Passable |



Fishway at Hayden Mill Pond

Obstruction # 2**Russell Millpond Dam****Plymouth**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|-----------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 2.8 | Dam | Earth and stone | 12 | 21 | 42.2 | 1900? | Private | 41° 55' 02.235" N 70° 37' 36.737" W |



Russell Mill Pond 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 |
|---------------|------------------------------|--------------------|----------------------|-----------------------|---------------------|----------------------|---------------------|--------------------|---------------------------|
| Weir-pool | Concrete with wooden baffles | 272 | 3.0 | 4.3 | 24 | Varied (0.4-4.2) | - | 8 | Poor Not passable |



Russell Mill Pond fishway entrance (left) and fishway (right)

Obstruction # 3**Sawmill Pond Dam****Plymouth**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|---------------------------------------|------------------------|------------------------|----------------------------|-------------------|------------------|--|
| 3.7 | Dam | Stone and concrete with wooden boards | 4.0 | 14.5 | 0.6 | - | Town of Plymouth | 41° 54' 40.680" N 70° 38' 26.066" W |



Sawmill Pond Dam

Fishway None**Remarks:**

The primary spawning habitats on this stream are 20.5 acre Hayden Pond and 42.2 acre Russell Millpond. In 1980 a dilapidated fishway at Hayden Pond was replaced by DMF with a concrete and wooden Denil ladder. This ladder is in good condition and functions well. At Russell Millpond, however, a weir-pool fishway was allowed to be shut down at the request of the dam owner due to the possibility of further damage to the already unsafe dam. Since that time, the Town of Plymouth has planned repair work to both dams and has agreed to include fishway restoration in the plans. At this writing funds are being sought to construct a new ladder and provide access to the larger of the two impoundments.

Smelt eggs have been observed in the stream immediately below Route 3A. Due to the unstable nature of the streambed caused by shifting beach sand, it is unlikely that this will ever be a significant population.

Atlantic tomcod have also been reported spawning in the stream below and just above the Rt. 3A crossing.

Shingle Brook

Plymouth

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 2.1 | Second | 6.4 | Alewife |

Obstruction # 1

Howland Pond Dam

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.3 | Dam | Concrete with wooden boards | 8.0 | 5.0 | 6.7 | 1900 | Town of Plymouth | 41° 55' 33.774" N 70° 36' 48.901" W |



Howland Pond Dam

Fishway None**Remarks:**

This tributary to the Eel River drains a series of small impoundments, each with an impassable dam. While small numbers of river herring currently reach the base of the first dam, at Clifford Road, this stream is a low priority due to the number of fishways required to reach significant spawning acreage and the more important need to direct funding resources to passage issues on the Eel River mainstem.

Town Brook

Plymouth

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|---------------------------------|
| 1.7 | First | 6.9 | Alewife, blueback, smelt, trout |

Obstruction # 1

Water Street Dam

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.0 | Dam | Stone | 18 | 3.5 | 0.4 | - | Town of Plymouth | 41° 57' 21.978" N 70° 39' 42.942" W |



Water Street Dam (the notch in center is considered the fishway)

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 |
|-------------------|----------------|-------------|---------------|----------------|--------------|----------------|--------------|-------------|-----------------------------|
| Notched weir-pool | Granite blocks | - | 16.0 | 16.0 | 1 | Varied (tidal) | 2 | - | Good Inefficient passage |

Obstruction # 2

Jenny Grist Mill Dam

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|---------------------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.3 | Dam | Stone and concrete with wooden boards | 5.0 | 8.4 | 4.6 | 1636 | Town of Plymouth | 41° 57' 12.584" N 70° 39' 54.866" W |



Jenny Grist Mill and 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 |
|-------------------|----------|-------------|---------------|----------------|--------------|---------------|--------------|-------------|-----------------------------|
| Notched weir-pool | Concrete | 65.0 | 2.0 | 3.0 | 15 | 1.2 | 0.6 | 4.0 | Fair Inefficient passage |



Fishway at Jenny Grist Mill

Obstruction # 3

Newfield Street Dam

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|---------------------------------------|-----------------|-----------------|---------------------|------------|-------------------------|--|
| 0.5 | Dam | Concrete and metal with wooden boards | 7.7 | 5.2 | 2.2 | 1900 | Plymouth, Park and Rec. | 41° 57' 09.445" N 70° 40' 07.750" W |

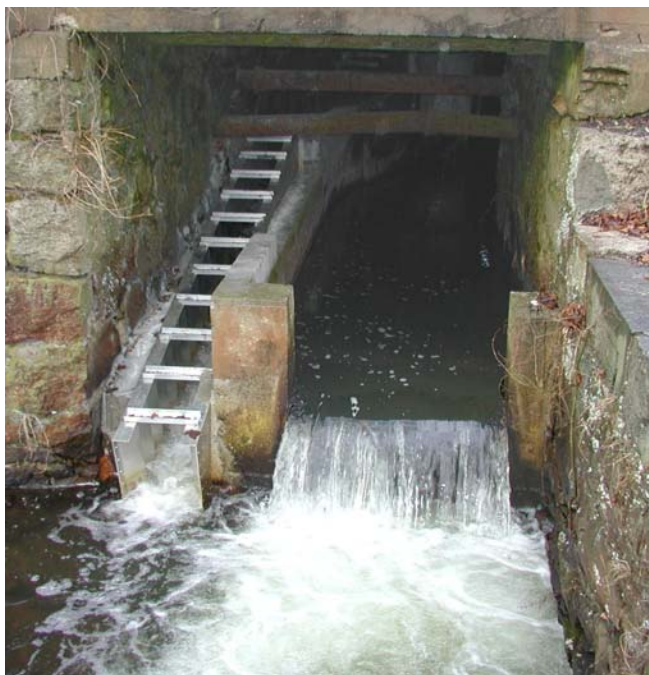


Newfield Street Dam

Fishway

Present (in three sections)

| Design | Material | Length (ft) | Inside W (ft) | Outside W (ft) | # of Baffles | Baffle H (ft) | Notch W (ft) | Pool L (ft) | Condition/Function |
|-------------------|----------|-------------|---------------|----------------|--------------|---------------|--------------|-------------|--------------------|
| Alaskan Steeppass | Aluminum | 30 | 2 | 2 | - | - | - | - | Good Passable |



Newfield Street Dam and steeppass

| 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 fiberglass baffles | 202.0 | 2.0 | 3.8 | 75 | 0.8 | - | - | Good Passable |



Mid-section of Newfield St. Denil fishway

| | | | | | | | | | |
|-----------|------------------------------|------|-----|-----|---|-----|---|-----|--------------------------|
| Weir-pool | Concrete with wooden baffles | 78.0 | 2.0 | 3.6 | 4 | 1.4 | - | 6.0 | Fair Inefficient passage |
|-----------|------------------------------|------|-----|-----|---|-----|---|-----|--------------------------|



Upper fishway at Newfield Street

Obstruction # 4

Off Billington Street Dam

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.9 | Dam | Concrete with wooden boards | 6.0 | 3.9 | 1.2 | - | Town of Plymouth | 41° 56' 56.238" N 70° 40' 27.067" W |



Off Billington Street 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 | 47.5 | 2.0 | 4.5 | 10 | 0.8 | 1.0 | 4.6 | Poor Inefficient |

Obstruction # 5

Plymco Dam (Standish Mill Pond Dam)

Plymouth

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|---|-----------------|-----------------|---------------------|------------|-------------|--|
| 1.1 | Dam | Concrete with wooden boards and steel culvert | 3.9 | 9.0 | 1.0 | 1900 | Swan Realty | 41° 56' 47.666" N 70° 40' 26.001" W |



Plymco Dam, spillway and leak

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 |
|-------------------|----------|-------------|---------------|----------------|--------------|--------------------|--------------|-------------|-----------------------------|
| Notched weir-pool | Concrete | 116.0 | 2.2 | 3.7 | 14 | 3.2 (2.0 notch H.) | 1.1 | 4.3 | Fair Inefficient passage |



Fishway at Plymco Dam

Obstruction # 6**Morton Park bog sluice****Plymouth**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Pond Acreage | Year Built | Owner | GPS |
|-------------------|-------------|-----------------------------|------------------------|------------------------|---------------------|---------------------|------------------|--|
| 1.5 | Bog sluice | Concrete with wooden boards | 5.7 | 1.9 | 269.0 | 1920 (on structure) | Town of Plymouth | 41° 56' 32.935" N 70° 40' 43.777" W |



Morton Pond bog sluice

Fishway None**Remarks:**

Fish passage in this stream is impacted by six obstructions. A seventh, a dam at Billington Street, was removed in 2002. The first is a dam at the head of the tide which prevents salt water from entering the lower stream. A notch in the granite blocks, which form the crest of the dam, allows herring to pass on high tidal stages. The second, at Jenny Grist Mill, is functional but of a poor, notched weir-pool design which operates under a very limited range of flows. A dam at Newfield Street is bypassed by a combination of aluminum steep pass, Denil, and weir-pool ladders which was most recently modified by DMF in 2001 and now functions adequately. The stream is impounded by a fourth dam at Off Billington Street. This dam is equipped with an obsolete, notched weir-pool fishway similar to that at Jenny Grist Mill. A fifth dam is surmounted by a notched weir-pool ladder built by DMF in 1987. Fish tend to bypass the ladder entrance making the addition of a barrier dam desirable. The final obstruction is a bog flume, which is passable when adjusted properly, allowing fish to access the 269 acres available in Billington Sea.

This stream has been the subject of an ongoing restoration effort involving local, state and Federal agencies. To date this program has resulted in improvements to one fishway, adult stocking in the headwater pond and removal of an impassable dam. Future work should be directed toward improving fish passage efficiency at the Jenny Gristmill dam and the Off Billington Street dam possibly by using aluminum steep pass inserts at those ladders.

Smelt and smelt eggs have been observed in the lower reaches of the stream.

Jones River

Kingston

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|--|
| 7.4 | Third | 6.6 | Alewife, blueback, American shad, smelt, white perch, tomcod, trout, lamprey |

Obstruction # 1

Elm Street Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 2.7 | Dam | Concrete with wooden boards | 29 | 8.6 | 4.4 | 1848 | Town of Kingston | 41° 59' 26.723" N 70° 44' 05.340" W |



Elm Street Dam and fishway

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 |
|-------------------|----------|-------------|---------------|----------------|--------------|---------------|--------------|-------------|--------------------|
| Alaskan Steeppass | Aluminum | 55.0 | 1.8 | 3.8 | | N/A | - | N/A | Excellent Passable |

Obstruction # 2

Wapping Road Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|----------------------------------|--|
| 3.7 | Dam | Concrete with wooden boards | 57 | 6.6 | 5.7 | 1900 | Jones River Industrial Park Inc. | 41° 59' 35.078" N 70° 44' 54.763" W |



Wapping Road Dam

Fishway None

Obstruction # 3

Silver Lake Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 7.4 | Dam | Concrete with wooden boards | 48.0 | 5.5 | 640.0 | 1900 | City of Brockton | 42° 00' 47.092" N 70° 47' 17.405" W |



Silver Lake Dam

Fishway None

Remarks:

The Jones River has 640 acre Silver Lake as its headwater. Silver Lake is a water supply for the City of Brockton and very little if any water flows into the river. Consequently, the bulk of the system's river herring spawning occurs in its Furnace Brook tributary. Three obstructions including the Silver Lake dam impact fish passage. The first, at Elm Street in Kingston was formerly equipped with a deteriorating, obsolete notched weir-pool ladder. In 2001 this structure was fitted with an aluminum steep pass insert at the recommendation of DMF. River herring can now efficiently move beyond the dam. A second dam located at Wapping Road prevents any further movement up the Jones River and it is below this point that river herring turn into Furnace Brook.

The streambed below Elm Street has supported a large smelt run in past years and although it continues to do so the numbers have diminished. This has also been the location of a number of smelt research projects conducted by DMF. Shad have also been reported here but their presence has not been confirmed.

Smelt Brook

Kingston

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 2.3 | First | 6.7 | Smelt |

Obstruction # 1

Foundry Pond Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|-------|--|
| 0.4 | Dam | Stone | 6 | 14 | 7.2 | 1848 | - | 41° 59' 09.301" N 70° 42' 35.618" W |



Foundry Pond Dam

Fishway None**Remarks:**

Smelt Brook originates in 44 acre Smelt Pond and flows to the Jones River estuary forming 7.2 acre Foundry Pond along its course. Although Smelt Brook offers a significant amount of habitat, the industrial development along the upper stream and the difficulties which would be encountered in establishing passage at Foundry Pond present significant challenges for development. Smelt spawning is known to occur in the area of Rt. 3A.

Halls Brook

Kingston

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 4.1 | Second | 5.2 | Smelt |

Obstruction # 1

Mill Pond Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 0.3 | Dam | Concrete with wooden boards | 3.5 | 8.5 | 0.1 | - | - | 41° 59' 59.697" N 70° 43' 34.971" W |



Dam at Mill Pond

Fishway None**Remarks:**

Halls Brook has its source in 7.6 acre Blackwater Pond. The stream is impounded by an 8.5 foot dam at its mouth. Fishway facilities or removal of the dam would allow fish to access the headwaters. The expense of this work must be weighed against the amount of habitat to be gained. Moderate densities of smelt eggs have been observed below the dam.

Laundry Brook

Kingston

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 0.1 | Second | 6.9 | Smelt |

Obstruction # 1

Brook Street Culvert

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|-------------------|-----------------------------|-----------------|-----------------|---------------------|------------|---------|--|
| 0.1 | Culvert, circular | Concrete with wooden boards | 4.0 | 3.1 | 0.0 | - | Private | 41° 59' 18.437" N 70° 43' 45.739" W |



Brook Street culvert

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 | 55 | Varied (4.5-8) | Varied (4.5-8) | 4 | Varied (1.3-1.4) | - | Varied (14-24) | |



Stream baffles downstream of Brook Street culvert

Obstruction # 2**Lucas Pond Dam****Kingston**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|-----------------------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 0.1 | Dam | Concrete with wooden boards | 5.4 | 3.7 | 2.1 | 1945 | Private | 41° 59' 16.242" N 70° 43' 46.355" W |



Lucas Pond Dam

Fishway None**Remarks:**

This small stream drains 2.1 acre Lucas Pond. The pond is inaccessible to river herring. Small numbers of smelt have been observed spawning in the lower reaches of the stream.

Furnace Brook

Kingston

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 1.2 | First | 6.9 | Alewife, blueback |

Obstruction # 1

Soule's Pond Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.9 | Dam | Concrete with wooden boards | 4.1 | 5.5 | 2.4 | - | Town of Kingston | 41° 58' 57.002" N 70° 44' 47.904" W |



Soule's Pond Dam and fishway

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 | 35.0 | 2.6 | 3.9 | 8 | 2.0 | - | 4.0 | Excellent Passable |

Obstruction # 2

Elm Street to Sylvia Place Road

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------------------|----------|-----------------|-----------------|---------------------|------------|-------|--|
| 1.0 | Elevation change | - | - | - | 0.0 | - | - | 41° 58' 52.390" N 70° 44' 51.082" W |



Elm Street fishway

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 | 117.7 | Varied (2.5-3.1) | 6.8 | 12 | Varied (0.9-1.3) | - | Varied (4.7-13.8) | Good Inefficient passage |

Obstruction # 3

Sylvia Place Pond Dam

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|---------------------|--|
| 1.1 | Dam | Concrete with wooden boards | 3.8 | 2.0 | 1.2 | 1900 | The Wildlands Trust | 41° 58' 50.343" N 70° 44' 53.408" W |



Sylvia Place Pond Dam and fishway

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 | 18.0 | 1.9 | 3.6 | 5 | 2.1 | - | 4.1 | Good Passable |

Obstruction # 4

Wildlands Trust elevation change

Kingston

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Acres | Year Built | Owner | GPS |
|------------|------------------|----------|-----------------|-----------------|-------|------------|---------------------|--|
| 1.1 | Elevation change | - | - | - | 0.0 | - | The Wildlands Trust | 41° 58' 47.120" N 70° 44' 56.244" W |



Stream baffles downstream of Russell Pond

Fishway

Present

| Design | Material | Length (ft) | Inside W (ft) | Outside W (ft) | Notch W (ft) | # of Baffles | Baffle H (ft) | Pool L (ft) | Condition/Function |
|---------------|----------|-------------|-------------------|----------------------|--------------|--------------|------------------|------------------|--------------------|
| Stream baffle | Stone | 155 | Varied (1.0-10.0) | ~1-10 (stream width) | - | 6 | Varied (0.6-1.4) | Varied (13-53.5) | Good Passable |

Obstruction # 5**Russell Pond Dam****Kingston**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|---------------------------------------|------------------------|------------------------|----------------------------|-------------------|---------------------|--|
| 1.2 | Dam | Concrete and stone with wooden boards | 2.4 | 13 | 10.4 | 1900 | The Wildlands Trust | 41° 58' 45.900" N 70° 44' 58.219" W |



Russell Pond dam and fishway

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 and concrete | 155 | Varied (1-10) | Varied (1-10) | 8 | Varied (0.6-1.4) | - | Varied (8-53.5) | Good Passable |
| Notched weir-pool | Concrete | 97 | 2.5 | 4.3 | 21 | 1.4 (2.5 total) | 1.0 | 4 | Poor Not Passable |

Remarks:

Furnace Brook provides the primary river herring spawning/nursery habitat for the Jones River system. With the 2001 restoration of the Elm St. fishway, the numbers of fish reaching the brook should increase significantly. Of the five fishways on the stream, three are in good condition and function adequately. The remaining two require repairs to maintain efficiency. The weir-pool ladder below Sylvia Place Road needs to have new baffles installed and the fishway at Russell Pond is badly deteriorated and must be completely replaced. To complicate matters, the Russell Pond dam is in poor condition and the question of removal has been raised. Since the 10.4 acre impoundment is the largest spawning area on the stream, removal could have a serious impact on this population.

Island Creek

Duxbury

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 1.5 | First | 5.9 | River herring, smelt |

Obstruction # 1

Mill Pond Fishway

Duxbury

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|-----------------|--|
| 0.8 | Dam | Concrete | 4.7 | 1 | 7.1 | - | Town of Duxbury | 42° 01' 00.633" N 70° 42' 38.443" W |



Mill Pond fishway

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 | 75.0 | 5.6 | 8.5 | 14 | Varied (0.7-1.8) | - | Varied (6-10) | Poor Not passable |

Obstruction # 2

Natural Stream Obstruction

Duxbury

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Pond Acreage | Year Built | Owner | GPS |
|------------|------------------|-------------|-----------------|-----------------|--------------|------------|-------|--|
| 1.3 | Elevation change | large rocks | - | - | 0.0 | - | - | 42° 01' 21.521" N 70° 42' 56.156" W |



Downstream of Island Creek Pond (elevation change)

Fishway None

Obstruction # 3**Island Creek Pond Control****Duxbury**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Pond Acreage | Year Built | Owner | GPS |
|-------------------|-------------|--------------------|------------------------|------------------------|---------------------|-------------------|--------------|--|
| 1.4 | Dam | Concrete and stone | 2.6 | 5.6 | 45.0 | - | - | 42° 01' 22.106" N 70° 42' 56.487" W |



Island Creek Pond control structure

Fishway None**Remarks:**

Three obstructions block fish passage on this Duxbury stream and a railroad embankment culvert may form a fourth when clogged with debris. The culvert, which is downstream of Rt. 3A, must be cleaned on a regular basis during the spawning season to insure passage. The first dam at Mill Pond is provided with a weir-pool fishway that has become deteriorated and no longer functions properly. Restoration of the ladder would provide access to the 7.1 acre impoundment. The second obstruction is a natural elevation change in the form of a steep, rock strewn streambed that creates a difficult passage problem. A 1.6 foot high dam at the outlet of Island Creek Pond is the third obstruction. Although the headwater pond provides 45 acres of potential habitat, the problems that would be encountered in establishing passage here make this an unlikely project. Rainbow smelt have recently been observed in the section of the stream below the first dam.

Bluefish River

Duxbury

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 2.7 | First | 6.2 | River herring |

Obstruction # 1

Amory Dam

Duxbury

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|--------------|-----------------|-----------------|---------------------|------------|---------|--|
| 1.6 | Dam | Wood & earth | 4.3 | 3.6 | 2.6 | - | Private | 42° 02' 17.568" N 70° 40' 32.983" W |



Amory Dam (left) and fishway (right)

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 |
|-------------------|----------|-------------|---------------|----------------|--------------|---------------|--------------|-------------|--------------------|
| Notched weir-pool | Wood | 25.5 | 4.5 | 5.6 | 4 | 1.0 | 1.0 | 6.1 | Good Passable |

Remarks:

This small stream drains a series of very small impoundments. The dam at the first impoundment is fitted with a wooden weir-pool ladder that is capable of passing fish when properly adjusted. No further development is justified due to the lack of sufficient spawning area.

West Brook

Duxbury

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 3.8 | First | 4.8 | Unknown |

Obstruction # 1

North Hill Marsh bog sluice

Duxbury

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------------|------------------|-----------------|-----------------|---------------------|------------|---------|--|
| 1.0 | Bog sluice | Corrugated metal | 2.5 | 8 | 43.2 | 1910 | Private | 42° 02' 48.533" N 70° 42' 22.934" W |



Bog sluice at North Hill Marsh (left) and outlet (right)

Fishway None**Remarks:**

West Brook flows from North Hill Marsh, a 43.1 acre bog reservoir, and forms a second 5.3 acre impoundment at Tremont Street. The culvert at Tremont St. is passable and access for spawning herring is available to the 8 foot drop culvert at the upper impoundment's outlet. Passage facilities at this point in combination with a water flow regulation protocol could result in a substantial river herring population in this stream.

Green Harbor River

Marshfield

| | | | |
|---------------------------|---------------------|-----------|-----------------------------------|
| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
| 6.6 | Second | 6.9 | Unknown |

Obstruction # 1

Green Harbor River Tide Gates

Marshfield

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|--------------------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 0.6 | Tide gate | Concrete, steel and wood | 4.5 | 0.0 | 0.0 | - | - | 42° 05' 10.980" N 70° 39' 02.536" W |



Tide gate at Green Harbor

Fishway None**Remarks:**

River herring passage into this system through a set of tide gates was possible though restricted in the past. Although some herring have been observed in the upper river in recent years, the installation of a new set of gates appears to have further inhibited off fish migration. The difficulty in modifying the gates to improve fish passage and the lack of substantial freshwater habitat make this work a low priority.

South River

Scituate, Marshfield, Duxbury

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|--|
| 13.3 | Fourth | 6.2 | River herring, American shad, smelt, trout |

Obstruction # 1

Veterans Memorial Park Dam

Marshfield

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|--------------|---------------------------------------|-----------------|-----------------|---------------------|------------|--------------------|--|
| 8.2 | Dam, stepped | Stone and concrete with wooden boards | 7.4 | 5.5 | | 1654 | Town of Marshfield | 42° 05' 41.532" N 70° 43' 06.513" W |



Veteran's Memorial Park Dam and ladder (right)

Fishway

Being modified

| 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 | Stone and concrete | 20.6 | 4.0 | 8.5 | 4 | Varied (2.2, 2.6, 1.9, 2) | - | 6 | Poor Not passable |

Obstruction # 2**Chandler's Pond Dam****Marshfield**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|---|------------------------|------------------------|----------------------------|-------------------|---------------------------------|--|
| 8.6 | Dam | Concrete with wooden and aluminum stop logs | 23 | 3.3 | 9.8 | - | Plymouth County Wildlands Trust | 42° 05' 34.427" N 70° 43' 20.835" W |



Chandler's Pond Dam

Fishway None**Remarks:**

The South River is a tributary to the North River estuary and joins it at the North River's outlet to Massachusetts Bay. It forms a series of small impoundments along its course, the second of which, 9.8 acre Chandler Pond, supplies the only substantial river herring habitat on the system. The first impoundment at Veterans Memorial Park in Marshfield has an impassable fishway that is in the process of being modified to allow access above that point. Passage facilities at Chandlers Pond should be considered once herring have efficient passage to that dam.

American shad and rainbow smelt have been observed spawning in the stream below the first dam. There is little opportunity to further develop these populations given the lack of additional spawning habitat.

Macomber Creek/Bares Brook Marshfield

| | | | |
|---------------------------|---------------------|-----------|-----------------------------------|
| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
| 2.3 | First | 6.0 | Unknown |

Obstruction # 1

Damon's Point Rd culvert

Marshfield

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|----------------------|-----------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 1.4 | Culvert, rectangular | Granite | | 4 | 6.6 | - | - | 42° 09' 05.309" N 70° 43' 42.556" W |



Downstream view of culvert at Damons Point Rd.



Under the road to the pond drainage

Fishway None**Remarks:**

Macomber Creek enters the North and South Rivers at their junction. Due to the relatively small size of the first and largest impoundment and the difficulty of providing passage at this structure, development of anadromous fish is not warranted here.

North River

Scituate, Norwell, Marshfield, Permbroke, Hanover

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|---|
| 12.1 | Eighth | 6.5 | River herring, American shad, white perch |

No photo available

No Obstructions

Fishway None

Remarks:

This large coastal stream is formed by the confluence of the Indian Head River and Herring Brook. It is essentially a riverine estuary with tidal influence extending to its upper reaches. There are no obstructions to fish passage and the river provides an unrestricted route to the many tributaries that provide spawning habitats to anadromous fish species.

First Herring Brook

Scituate, Norwell

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 4.1 | First | 6.2 | Alewife, smelt |

Obstruction # 1

Old Oaken Bucket Pond Dam

Scituate

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.0 | Dam | Concrete | 12.2 | 4.9 | 8.5 | 1640 | Town of Scituate | 42° 10' 39.404" N 70° 45' 00.941" W |



Old Oaken Bucket Pond 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 |
|-----------|---------------------------|-------------|---------------|----------------|--------------|------------------|--------------|------------------|--------------------|
| Weir-pool | Concrete, top baffle wood | 124.5 | 3.0 | 4.4 | 8 | Varied (1.6-3.8) | - | Varied (6.0-8.0) | Good Passable |



Fishway at Old Oaken Bucket Pond

Obstruction # 2

First Herring Brook Reservoir Dam

Scituate

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|------------------|--|
| 0.7 | Dam | Concrete | 42 | 12 | 67.0 | 1969 | Town of Scituate | 42° 11' 12.526" N 70° 45' 13.014" W |



Brushy Hill Pond Dam (First Herring Brook Reservoir 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 |
|-----------|----------|-------------|---------------|----------------|--------------|---------------|--------------|-------------|-----------------------------|
| Weir-pool | Concrete | 110.0 | 3.2 | 4.7 | 19 | 2.0 | - | 3.8 | Good Inefficient passage |



Lower section of Brushy Hill Pond fishway



Upper section of fishway

Remarks:

The Town of Scituate uses this system extensively as a water supply. A weir-pool ladder at Old Oaken Bucket Pond provides access for spawning adult river herring to that impoundment. Low water levels in the fall due to withdrawals make downstream migration of juveniles unlikely and it is not known if a population still exists in the system. A second weir-pool ladder was installed at the second dam, built in 1969, and is not functional due to its poorly designed exit elevation. Rainbow smelt eggs have been observed in the stream below the first dam but no recent reports of smelt presence have been received.

Second Herring Brook

Norwell

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 1.4 | First | 5.9 | Alewife, smelt |

Obstruction # 1

Gordon Pond Dam

Norwell

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|--------------------------|--|
| 0.3 | Dam | Concrete | 6.0 | 3.0 | 6.2 | - | Trustees of Reservations | 42° 09' 04.692" N 70° 47' 16.927" W |



Left culvert at Gordon Pond Dam

Fishway None**Obstruction # 2**

Norris Pond Dam

Norwell

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|--------------------------|--------------------|-----------------|-----------------|---------------------|------------|--------------------------|--|
| 0.9 | Dam and elevation change | Concrete and stone | 30.0 | 4.9 | 2.1 | - | Trustees of Reservations | 42° 09' 30.933" N 70° 47' 21.660" W |



Norris Pond Dam

Fishway None

Obstruction # 3**Torrey Pond Dam****Norwell**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|-----------------------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 1.4 | Dam | Concrete with wooden boards | 4.2 | 6.0 | 18.7 | 1941 | Private | 42° 09' 57.488" N 70° 47' 22.532" W |



Torrey Pond culvert



Torrey Pond spillway

Fishway None**Remarks:**

Second Herring Brook forms a number of small impoundments, the third and largest of which is 18.7 acre Torrey Pond. The need to construct three fishways in order to access this habitat gives the stream a low priority for development. Rainbow smelt spawn in good numbers below the first dam.

Third Herring Brook

Norwell, Hanover

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 5.3 | Third | 5.5 | River herring, smelt |

Obstruction # 1

Tiffany Pond (Tack Factory Pond)

Norwell, Hanover

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|--------------------------------|--|
| 1.1 | Dam | Concrete | 50 | 5.8 | 3.1 | 1928 | St. Colletta's Catholic School | 42° 07' 21.669" N 70° 48' 32.744" W |



Tiffany Pond Dam

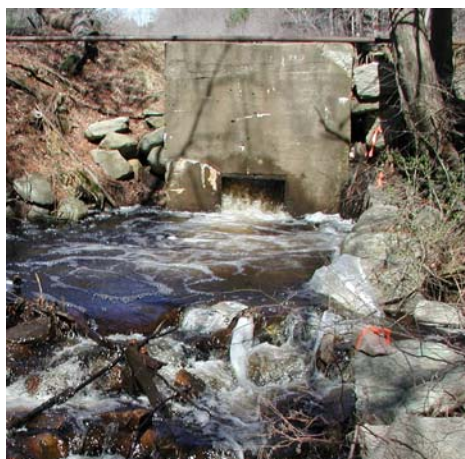
Fishway None

Obstruction # 2

Mill Pond Dam

Norwell, Hanover

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|------------------|--|
| 3.7 | Dam | Concrete | 3.0 | 3.8 | 4.0 | 1890 | South Shore YMCA | 42° 08' 23.098" N 70° 50' 05.901" W |



Mill Pond Dam downstream (left) and upstream (right)

Fishway None

Obstruction # 3

Peterson's Pond Dam

Norwell, Hanover

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|-----------------------|--------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 4.0 | Dam control structure | Concrete and stone | 5.9 | 2.1 | 2.3 | - | - | 42° 08' 46.446" N 70° 50' 19.710" W |



Peterson's Pond Dam

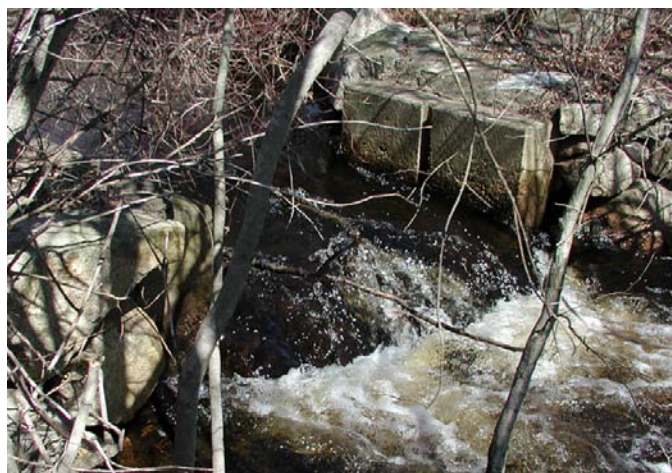
Fishway None

Obstruction # 4

Upper Peterson's Pond Dam

Norwell, Hanover

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|-----------------------|----------|-----------------|-----------------|---------------------|------------|-------|--|
| 4.1 | Dam control structure | Concrete | 6.0 | 0.5 | 2.3 | - | - | 42° 08' 48.936" N 70° 50' 20.810" W |



Upper Peterson's Pond Dam

Fishway None

Obstruction # 5

Route 123 culvert

Norwell

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|-------------------|----------|-----------------|-----------------|---------------------|------------|-------|--|
| 5.3 | Culvert, circular | Concrete | 5.0 | 0.8 | 0.0 | - | - | 42° 09' 29.565" N 70° 50' 48.627" W |



Culvert at Route 123

Fishway None

Obstruction # 6

Jacob's Pond Dam

Norwell

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-----------------|--|
| 5.3 | Dam | Concrete with wooden boards | 16.1 | 2.3 | 55.0 | 1900 | Town of Norwell | 42° 09' 29.870" N 70° 50' 48.434" W |



Jacob's Pond control structure

Fishway None

Remarks:

This tributary to the North River has six obstructions to fish passage before its headwaters, 55 acre Jacobs Pond can be accessed. Although the second dam, at Mill Pond, is being considered for removal, the need for at least four fishways to provide passage to the headwaters reduce this system to a low priority site. Small numbers of smelt eggs have been observed in the stream just above its confluence with the North River.

Howland Pond

Pembroke

| Stream Length | Stream Order | pH | Anadromous Species Present |
|---------------|--------------|-----|----------------------------|
| 0.2 | First | 6.0 | Blueback |

Obstruction # 1

Howard Pond Dam

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 0.1 | Dam | Concrete with wooden boards | 3.0 | 5.1 | 1.6 | - | - | 42° 05' 56.874" N 70° 47' 34.827" W |



Howard's Pond Dam

Fishway None

Remarks:

This small stream, a tributary to Robinson's Creek, is fed by a 1.6 acre impoundment with a 5.1 foot dam. There is no potential for anadromous fish development.

Herring Brook

Pembroke, Hanson

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 5.6 | Third | 6.9 | Alewife, blueback |

Obstruction # 1

Barker Street Dam

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|--------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 2.2 | Dam | Concrete and stone | 7.0 | 1.4 | - | - | - | 42° 04' 32.359" N 70° 48' 02.697" W |



Barker Street 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 | 338.0 | Varied (3-5, 12) | Varied (3-12) | 3 | Varied (1.0-1.3) | - | Varied (19-166) | Fair Inefficient |



Pembroke Herring Run

Obstruction # 2

1st Mill Ponds Fishway

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 3.7 | Dam | Concrete with wooden boards | 6.8 | 3.1 | - | - | - | 42° 03' 29.707" N 70° 48' 03.177" W |



First Mill Ponds 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 |
|-------------------|----------|-------------|------------------|----------------|--------------|---------------|--------------|-----------------|-----------------------------|
| Notched weir-pool | Concrete | 336.0 | Varied (3.0-8.0) | Stream Edge | 15 | 1.9 | 1.4 | Varied (16, 17) | Poor Inefficient passage |



First Mill Ponds fishway

Obstruction # 3

2nd Mill Ponds Dam

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 3.8 | Dam | Concrete with wooden boards | 6.0 | 11.0 | 3.4 | - | - | 42° 03' 22.718" N 70° 48' 10.198" W |



2nd Mill Ponds spillway

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 | Wood | 8.0 | 1.5 | 2.2 | 8 | 2.4 | - | - | Good Passable |



2nd Mill Ponds fishway

Obstruction # 4

3rd Mill Ponds Dam

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 4.1 | Dam | Concrete with wooden boards | 4.4 | 4.8 | 4.5 | 1991 | - | 42° 03' 14.985" N 70° 48' 25.778" W |



3rd Mill Ponds Dam and fishway

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 | Wood | 16.8 | 2.0 | 2.3 | 12 | 3.7 | - | - | Good Passable |

Obstruction # 5**Gorman Mill Pond****Pembroke**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|------------------------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 4.6 | Dam | Concrete with a wooden board | 35.1 | 4.3 | 2.2 | - | - | 42° 03' 12.966" N 70° 48' 59.798" W |



Gorman Mill Dam and fishway

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 | Wood | 23.0 | 1.6 | 2.2 | 20 | 2.3 | - | - | Fair Not passable |

Remarks:

This stream provides the primary spawning habitat for river herring in the North River drainage. A total of 347 acres is available in the headwaters, Furnace and Oldham Ponds, and 10 additional acres are accessible in downstream impoundments. This system has not approached its potential production in recent years for a number of reasons. Five fishways are necessary to get herring to the headwater ponds. While the Town of Pembroke has made an effort recently to maintain these ladders, they were in varying stages of deterioration for some time, allowing the numbers of fish passing them to dwindle. Frequent maintenance of these structures is a prerequisite to the restoration of this population.

Perhaps the most damaging occurrence to this resource has been water withdrawals from Furnace Pond. In one case, a cranberry bog was diverting water for fall picking, resulting in stranding and impingement of large numbers of juveniles. This bog has recently been acquired by the town and water is no longer diverted. The second and most injurious withdrawal is by the City of Brockton, which diverts this water to its Silver Lake reservoir. This has been done without adequate screening or flow controls to prevent juvenile herring from entering the diversion system. It was not uncommon for thousands of young herring to be landlocked in Silver Lake. DMF, Pembroke and Brockton have been working on a screening system and diversion protocol to prevent these losses from the Herring River system.

Pudding Brook

Pembroke

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 4.0 | Second | 6.0 | Unknown |

Obstruction # 1

Mill Pond Dam

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|-------|--|
| 2.8 | Dam | Concrete with wooden boards | 6.0 | 5.2 | 1.9 | - | - | 42° 04' 49.968" N 70° 45' 52.415" W |



Mill Pond and Dam

Fishway None

Remarks:

Pudding Brook, a tributary to Herring Brook, drains two small impoundments with a combined area of 3.4 acres. Fishway construction is not justified here.

Indian Head River

Hanover, Pembroke

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|--|
| 4.8 | Third | 6.4 | Alewife, blueback, American shad, white perch, trout |

Obstruction # 1

Elm Street Dam

Hanover, Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|---------------------|-----------------|--|
| 2.0 | Dam | Concrete | 102 | 7.4 | 10.8 | 1920, repaired 1979 | Town of Hanover | 42° 06' 01.128" N 70° 49' 26.429" W |



Elm Street Dam (fishway is in center of structure)

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 and wood | 109 | 2.6 | 4.4 | 33 | Varied (5.0-5.8) | - | - | Good Inefficient passage |



Fishway at Elm Street Dam

Obstruction # 2

State Street/Cross Street Dam

Hanover, Hanson

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|-------|--|
| 3.5 | Dam | Stone | 52 | 4.0 | 3.2 | - | - | 42° 05' 45.153" N 70° 50' 56.357" W |



State Street/Cross Street Dam

Fishway None

Obstruction # 3

Factory Pond Dam

Hanover, Hanson

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|--------------------|-----------------|-----------------|---------------------|------------|----------------|--|
| 4.8 | Dam | Concrete and stone | 170 | 7.7 | 55.0 | 1943 | Town of Hanson | 42° 05' 20.674" N 70° 52' 03.787" W |



Factory Pond Dam

Fishway None

Remarks:

The Indian Head River is unique in that it provides one of the few American shad, small stream sport fisheries in coastal Massachusetts. While most of the fishery occurs below the West Elm St. dam, the Denil fishway at that location successfully passes shad as well as river herring and a population has been established in the upper river. The dam at Cross St. prevents further upstream movement and a fishway or dam removal here could extend the shad spawning habitat. Access to 55 acre Factory Pond could significantly increase river herring habitat but dam safety and sediment contamination issues in that impoundment must be resolved before this can be considered.

Rocky Run

Hanson, Pembroke

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 0.9 | Third | 5.6 | Unknown |

Obstruction # 1

Trout Pond Dam

Pembroke

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|--------------------|-----------------|-----------------|---------------------|------------|---------|--|
| 0.3 | Dam | Concrete and stone | 80 | 12.7 | 3.4 | 1920 | Private | 42° 05' 27.408" N 70° 50' 41.209" W |



Trout Pond Dam

Fishway None**Remarks:**

This small tributary to the Indian Head River flows from a 3.4 acre impoundment called Trout Pond. The limited potential habitat does not warrant fishway installation.

Indian Head Brook

Hanson

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 3.6 | Third | 6.7 | Unknown |

Obstruction # 1

Wampatuck Pond Dam

Hanson

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|-----------------------------|-----------------|-----------------|---------------------|------------|----------------|--|
| 2.1 | Dam | Concrete with wooden boards | 12.6 | 7.0 | 63.7 | 1900 | Town of Hanson | 42° 03' 55.442" N 70° 51' 53.755" W |



Wampatuck Pond Dam and sluiceway

Fishway None**Remarks:**

Indian Head Brook flows from 119.5 acre Indian Head Pond, forms 63.7 acre Wampatuck Pond along its route and enters the Indian Head River above the Cross St. dam. If fish passage facilities are installed at Cross St., extension of the river herring habitat into this system should be considered.

Bound Brook

Scituate, Cohasset

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 6.1 | Third | 6.5 | Alewife, smelt |

Obstruction # 1

Hunters Pond Dam

Scituate, Cohasset

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------|-----------------|-----------------|---------------------|------------|-------|--|
| 0.0 | Dam | Concrete | 66.0 | 5.5 | 1.3 | - | - | 42° 13' 22.798" N 70° 47' 19.747" W |



Hunters Pond 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 |
|-------------------|----------|-------------|---------------|----------------|--------------|---------------|--------------|-------------|----------------------|
| Notched weir-pool | Concrete | 27.0 | 3.0 | 4.5 | 6 | 3.0 | 1.0 | 4.0 | Poor Not passable |



Fishway at Hunters Pond Dam

Obstruction # 2

Beechwood Street Dam

Scituate, Cohasset

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|------|----------------------------------|-----------------|-----------------|---------------------|------------|------------------|--|
| 2.0 | Dam | Concrete with aluminum stop logs | 6.0 | 1.7 | 2.8 | - | Town of Cohasset | 42° 13' 01.742" N 70° 48' 39.655" W |



Beechwood Street 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 |
|--------|--------------------------------|-------------|---------------|----------------|--------------|--------------------|--------------|-------------|---------------------|
| Denil | Concrete with aluminum baffles | 50.0 | 2.0 | 4.0 | 11 | Varied (4.5 & 4.9) | - | 1.3 | Excellent Passable |

Obstruction #3**Aaron River Reservoir Dam****Cohasset**

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|-----------------|------------------------|------------------------|----------------------------|-------------------|------------------|--|
| 3.1 | Dam | Concrete | 184 | 17 | 132.9 | 1978 | Town of Cohasset | 42° 12' 35.237" N 70° 49' 28.705" W |



Aaron River Reservoir 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 |
|---------------|-----------------------|--------------------|----------------------|-----------------------|---------------------|----------------------|---------------------|--------------------|---------------------------|
| Denil | Concrete and aluminum | 231.0 | 2.0 | 4.0 | | unknown | - | Unknown | Excellent Passable |



Aaron River Reservoir ladder (covered)

Remarks:

Bound Brook is formed by the confluence of Aaron River and Herring Brook, which in turn flow from Aaron River Reservoir and Lilly Pond, water supplies for the Town of Cohasset. A poorly designed, deteriorating notched weir-pool ladder at Hunters Pond is impassable and should be replaced. Temporary modifications have been designed to provide some degree of function but have not been implemented to date. Relatively new fishways have been installed at the Beechwood St. dam and at Aaron River Reservoir, and should efficient passage be made available at the first dam, the river herring population has the potential to increase substantially. While DMF does not generally endorse the development of anadromous fish populations in public water supplies, the Town of Cohasset has expressed interest in maintaining such a herring resource in the reservoirs. In addition to river herring, rainbow smelt are known to spawn in the stream below Hunters Pond.

Musquashcut Brook

Scituate

| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
|--------------------|--------------|-----|----------------------------|
| 1.2 | First | 7.4 | Alewife |

Obstruction # 1

Musquashcut Pond Tide Gate

Scituate

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|------------|-----------|--------------------|-----------------|-----------------|---------------------|------------|-------|------------------------------------|
| 1.2 | Tide gate | Concrete and metal | 15 | 6 | 70.2 | - | - | 42°13'31.113" N 70°45'34.019" W |



Musquashcut Pond tide gate

Fishway None**Remarks:**

This tidal stream flows into The Gulf from Musquashcut Pond, a salt pond in Scituate. Salinity in the pond is controlled by a tide gate, which prevents river herring access unless properly regulated. There is little potential here for further development.

Little Harbor

Cohasset

| | | | |
|---------------------------|---------------------|-----------|-----------------------------------|
| Stream Length (mi) | Stream Order | pH | Anadromous Species Present |
| 0.9 | First | 8.0 | None known |

Obstruction # 1

Little Harbor Tide Gate

Cohasset

| River Mile | Type | Material | Spillway W (ft) | Spillway H (ft) | Impoundment Acreage | Year Built | Owner | GPS |
|-------------------|-------------|---------------------------------------|------------------------|------------------------|----------------------------|-------------------|--------------|--|
| 0.9 | Tide gate | Concrete and metal with wooden boards | 15 | 0.0 | 17.2 | 1957 | - | 42° 15' 15.207" N 70° 48' 37.263" W |



Little Harbor tide gate

Fishway None**Remarks:**

Although controlled with a tide gate, the salinities in this 17.2 acre inlet are too high to justify any development of anadromous fish.

South Shore Watersheds Recommendations

1. The fishway at Russell Millpond on the Eel River should be redesigned and replaced in order to restore access to that habitat.
2. Fishways at the Jenny Grist Mill and Off Billington St. Dam should be replaced or lined with aluminum steepass sections.
3. A screening system for the Silver Lake diversion from Furnace Pond should be designed and installed and a diversion protocol developed to prevent loss of juvenile herring from the system.
4. Repairs should be made to deteriorating portions of the lower fishways on the Monument River.
5. A barrier dam should be installed at the Carter-Beale bypass on the Monument River to prevent herring from entering.
6. The fishway at Hunters Pond on Bound Brook should be redesigned and replaced.
7. The fishway below Sylvia Place Rd. on Furnace Brook in Kingston should be repaired.
8. The fishway at Russell Pond on Furnace Brook should be redesigned and replaced when the Russell Pond dam is repaired.